

Prepared for:



US Army Corps of Engineers
1325 "J" Street
Sacramento, CA 95814

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**Remedial Investigation Report
Titan I-A Missile Facility
Lincoln, California**

October 2001

Volume 4 of 8

Prepared by:

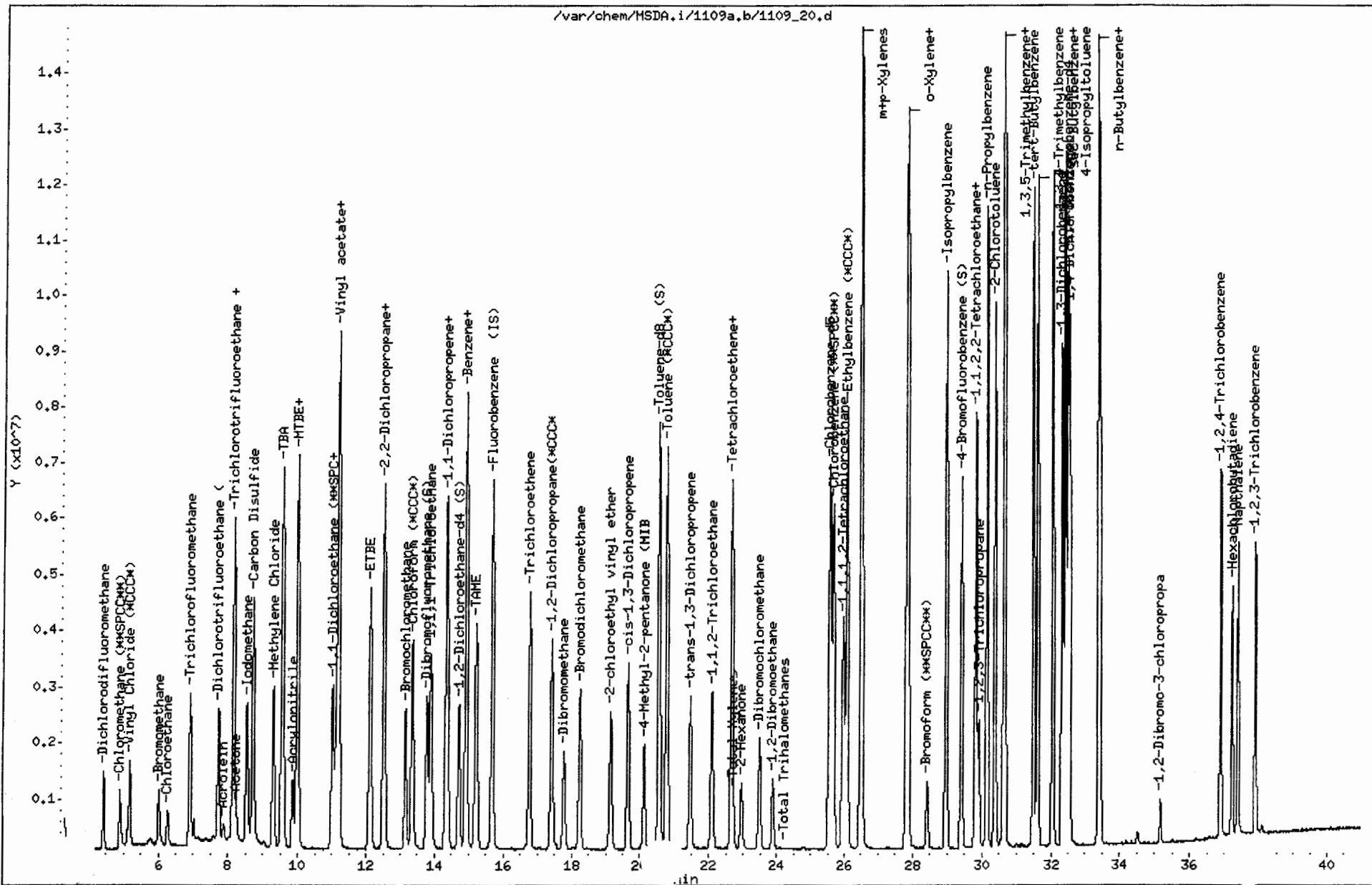
URS

2870 Gateway Oaks Dr, Suite 300
Sacramento, CA 95833

Laboratory Data Deliverable

Data File: /var/chem/MSDA.i/1109a,b/1109_20.d
 Date: 10-NOV-2000 00:07
 Client ID:
 Sample Info: CCV @ 20ppb
 Purge Volume: 15.0
 Column phase: DB-624

Instrument: MSDA.i
 Operator: DB
 Column diameter: 0.32



Data File: /var/chem/MSDA.i/1109a.b/1109_22.d
 Report Date: 13-Nov-2000 07:57

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1109a.b/1109_22.d
 Lab Smp Id: A100792-5
 Inj Date : 10-NOV-2000 01:41
 Operator : DB Inst ID: MSDA.i
 Smp Info : A100792-5
 Misc Info : 0;1;15;;15;;V000160MSA
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1109a.b/8260.m
 Meth Date : 13-Nov-2000 07:56 dvb Quant Type: ISTD
 Cal Date : 06-NOV-2000 22:35 Cal File: 1106_08.d
 Als bottle: 22
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

d Variable Local Compound Variable

DB
11/13/00

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN (ug/L)	FINAL (ug/L)	
26 cis 1,2-Dichloroethene	96	12.521	12.480	(0.798)	1984194	10.8506	10.8	8106
28 Chloroform (*CCC*)	83	13.361	13.310	(0.852)	212430	0.58452	0.58452	9326
\$ 29 Dibromofluoromethane (S)	113	13.771	13.740	(0.878)	4097860	22.0760	22.1	9214
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.718	14.688	(0.938)	5334624	21.8649	21.9	9416
* 37 Fluorobenzene (IS)	96	15.684	15.645	(1.000)	14832326	20.0000		9563
38 Trichloroethene	95	16.728	16.729	(1.067)	12804784	67.5872	67.62	9719(Q)
\$ 45 Toluene-d8 (S)	98	20.557	20.508	(1.311)	14212685	23.4752	23.5	9636
M 55 Total Trihalomethanes	100				212430	0.58452	0.58452	0
* 56 Chlorobenzene-d5	117	25.555	25.530	(1.000)	11100383	20.0000		9382
\$ 65 4-Bromofluorobenzene (S)	95	29.402	29.370	(0.905)	5676561	23.1040	23.1	8801
* 79 1,4 Dichtlorobenzene-d4	152	32.481	32.453	(1.000)	4950861	20.0000		8857

QC Flag Legend
 Q - Qualifier signal failed the ratio test.

Data File: /var/chem/MSDA.i/1109a.b/1109_22.d
 Report Date: 13-Nov-2000 07:57

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1109_22.d
 Lab Smp Id: A100792-5
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB
 Method File: /var/chem/MSDA.i/1109a.b/8260.m
 Misc Info: 0;1;15;;15;;V000160MSA

Calibration Date: 10-NOV-2000
 Calibration Time: 00:07

Level: LOW
 Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14817501	7408750	29635002	14832326	0.10
56 Chlorobenzene-d5	11421946	5710973	22843892	11100383	-2.82
79 1,4 Dichlorobenze	5457572	2728786	10915144	4950861	-9.28

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.68	15.18	16.18	15.68	0.03
56 Chlorobenzene-d5	25.56	25.06	26.06	25.56	-0.02
9 1,4 Dichlorobenze	32.48	31.98	32.98	32.48	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

DB

Data File: /var/chem/MSDA.i/1109a.b/1109_22.d
Report Date: 13-Nov-2000 07:57

Caltest Analytical Laboratory

RECOVERY REPORT

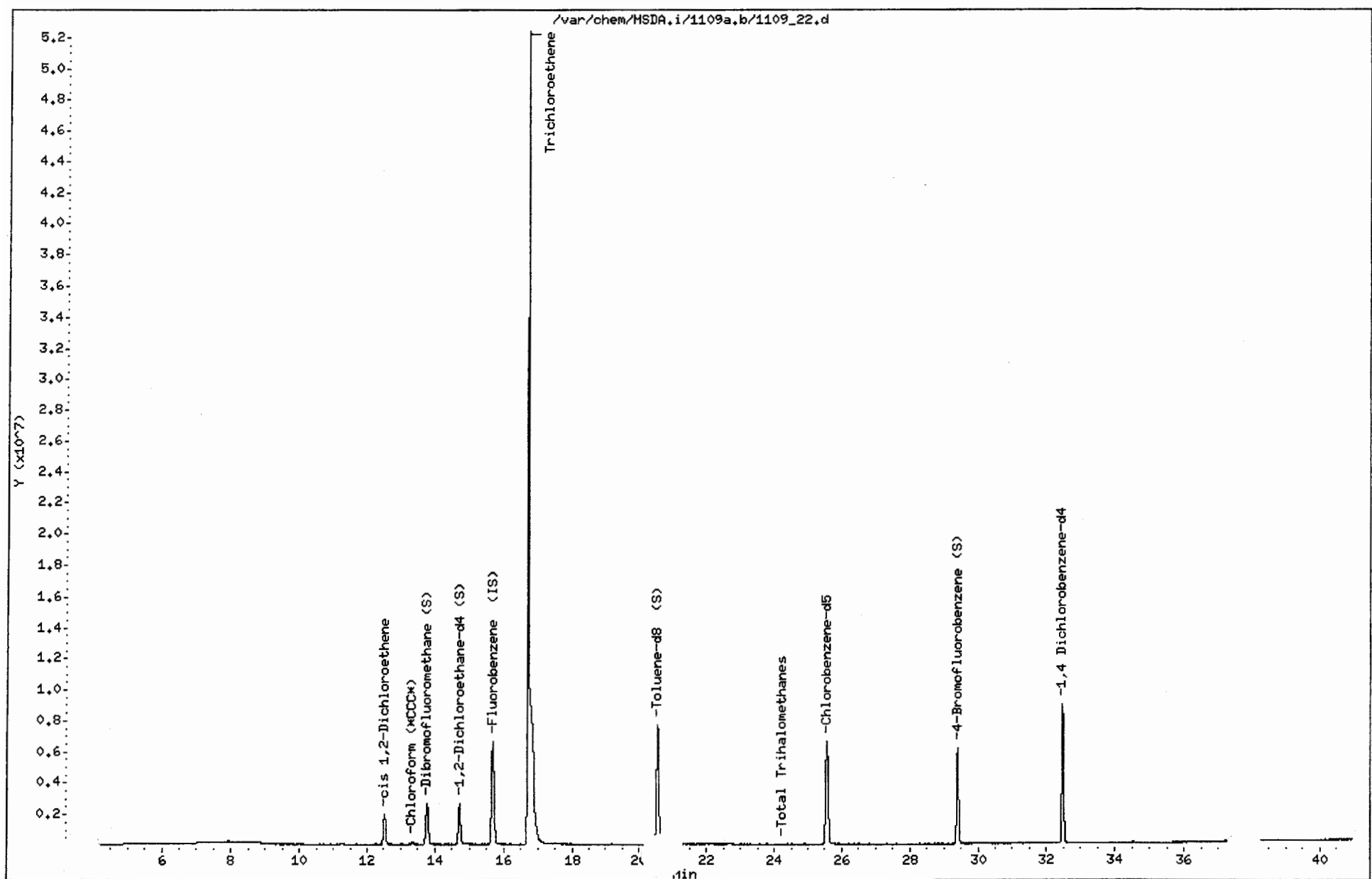
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Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-5
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1109a.b/8260.m
Misc Info: 0;1;15;;15;;V000160MSA

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	22.1	110.38	70-130
\$ 33 1,2-Dichloroethane	20.0	21.9	109.32	70-130
\$ 45 Toluene-d8 (S)	20.0	23.5	117.38	70-130
\$ 65 4-Bromofluorobenze	20.0	23.1	115.52	70-130

DB

Data File: /var/chem/MSDA.i/1109a.b/1109_22.d
Date : 10-NOV-2000 01:41
Client ID:
Sample Info: A100792-5
Purge Volume: 15.0
Column phase: DB-624

Instrument: MSDA.i
Operator: DB
Column diameter: 0.32



Data File: /var/chem/MSDA.i/1109a.b/1109_22.d

Date: 10-NOV-2000 01:41

Client ID:

Instrument: MSDA.i

Sample Info: A100792-5

Purge Volume: 15.0

Operator: DB

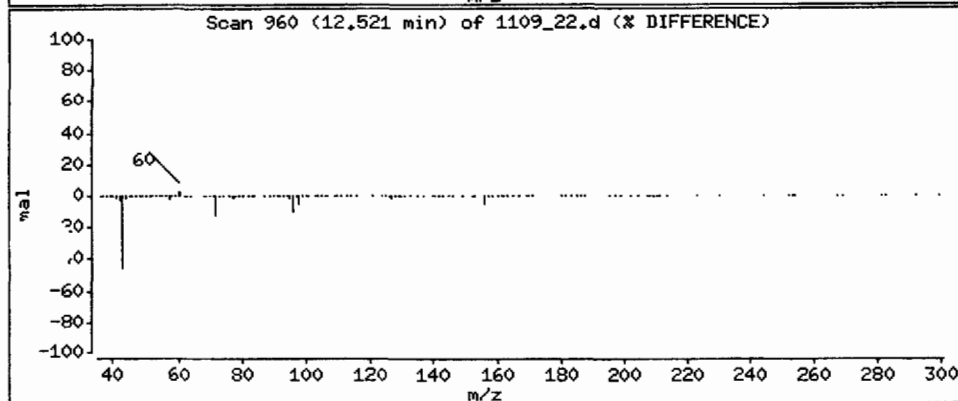
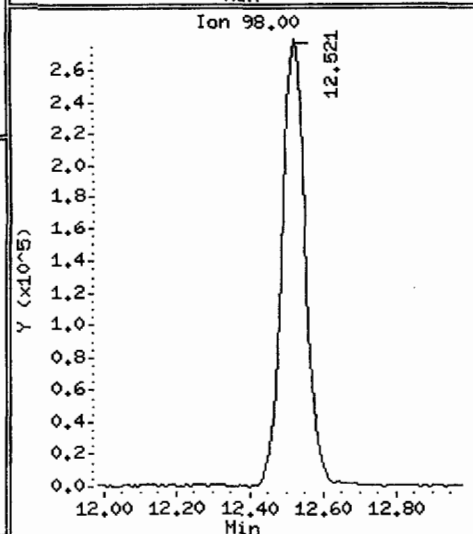
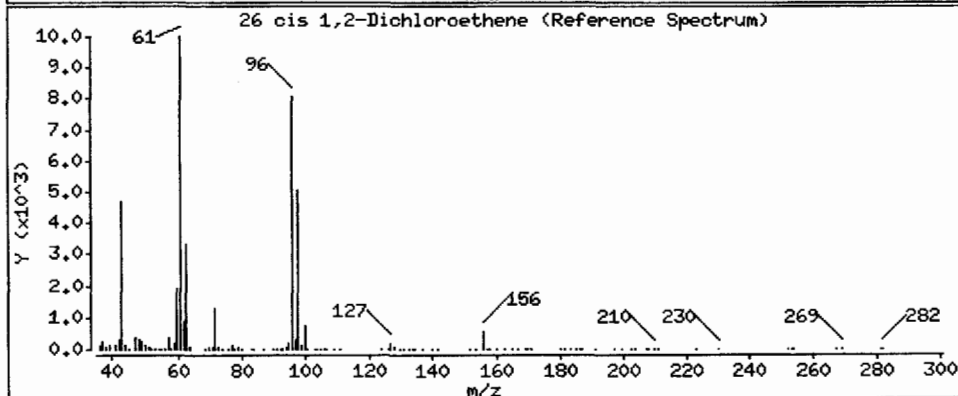
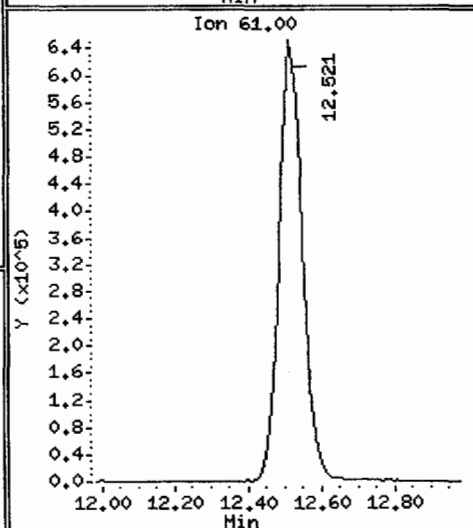
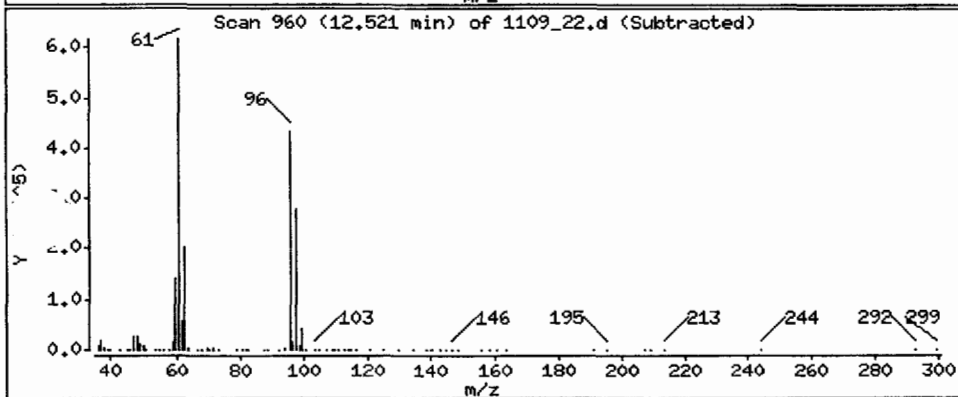
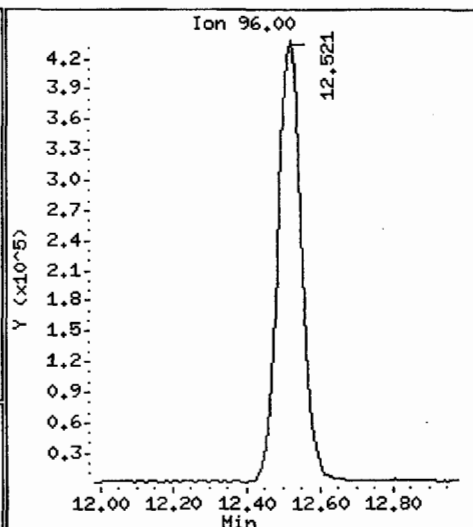
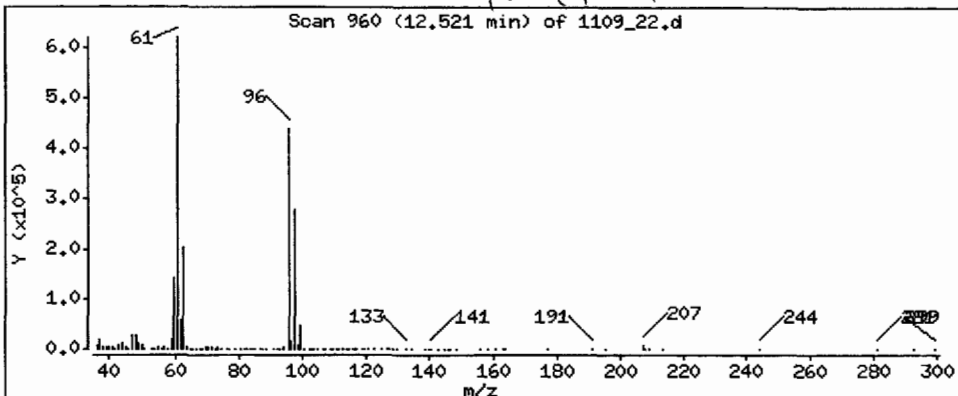
Column phase: DB-624

Column diameter: 0.32

26 cis 1,2-Dichloroethene

Concentration: 10.8 ug/L

Match



00185

Data File: /var/chem/MSDA.i/1109a,b/1109_22.d

Date: 10-NOV-2000 01:41

Client ID:

Instrument: MSDA.i

Sample Info: A100792-5

Purge Volume: 15.0

Operator: DB

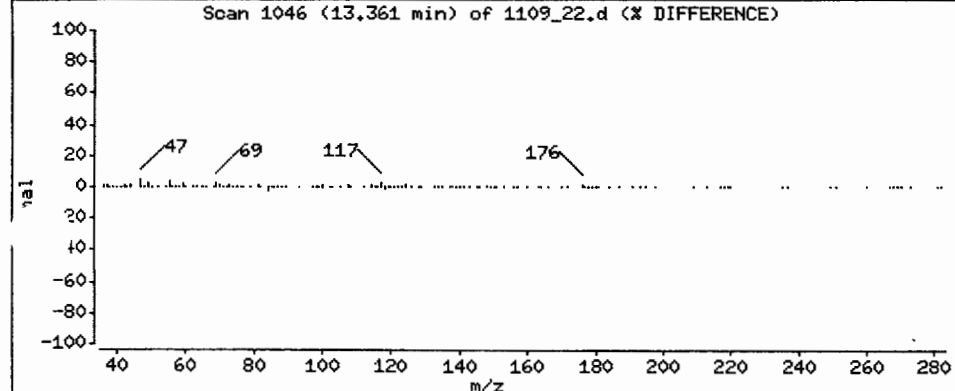
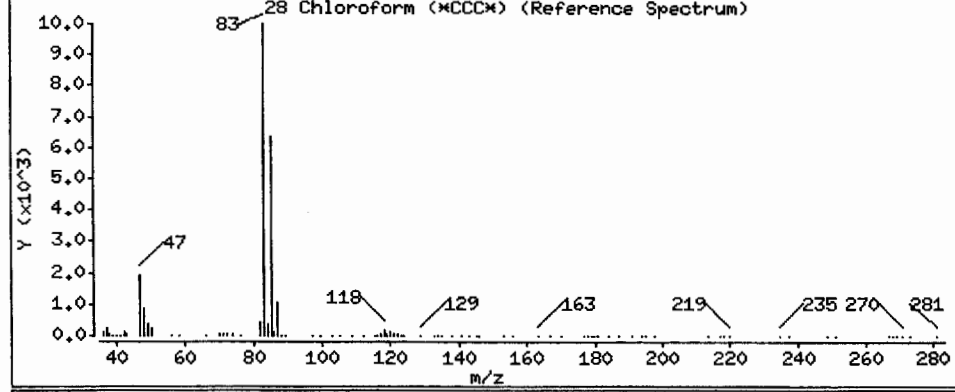
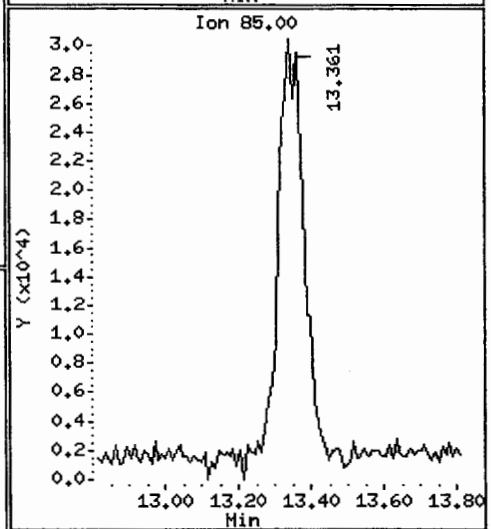
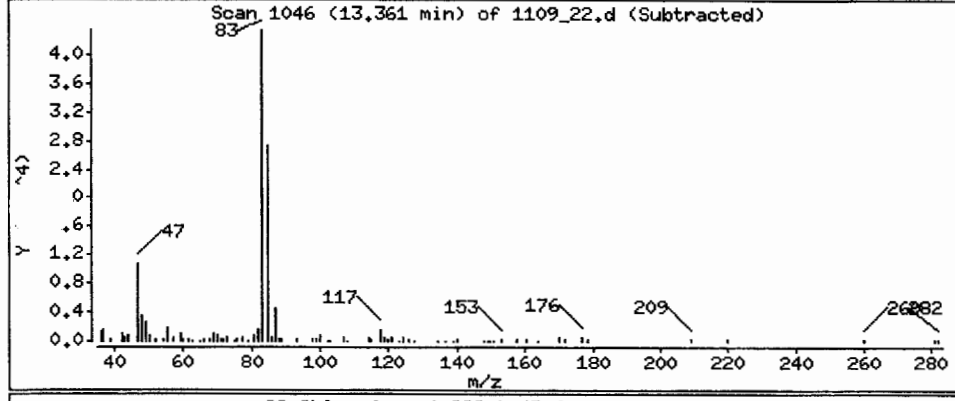
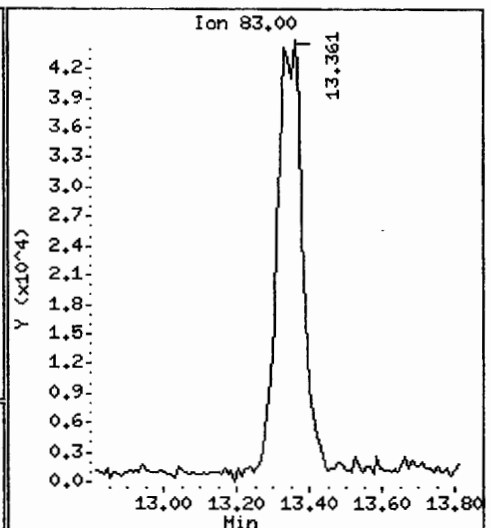
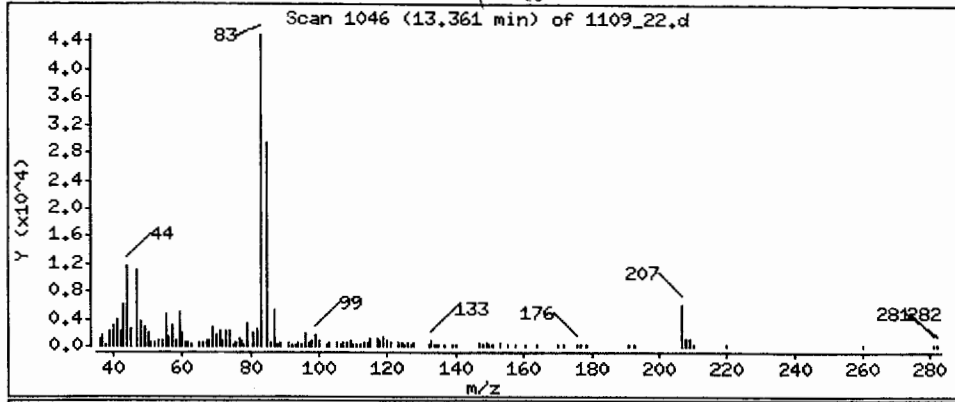
Column phase: DB-624

Column diameter: 0.32

28 Chloroform (MCCCX)

Concentration: 0.58452 ug/L

Match



Data File: /var/chem/MSDA.i/1109a,b/1109_22.d

Date: 10-NOV-2000 01:41

Client ID:

Instrument: MSDA.i

Sample Info: A100792-5

Purge Volume: 15.0

Operator: DB

Column phase: DB-624

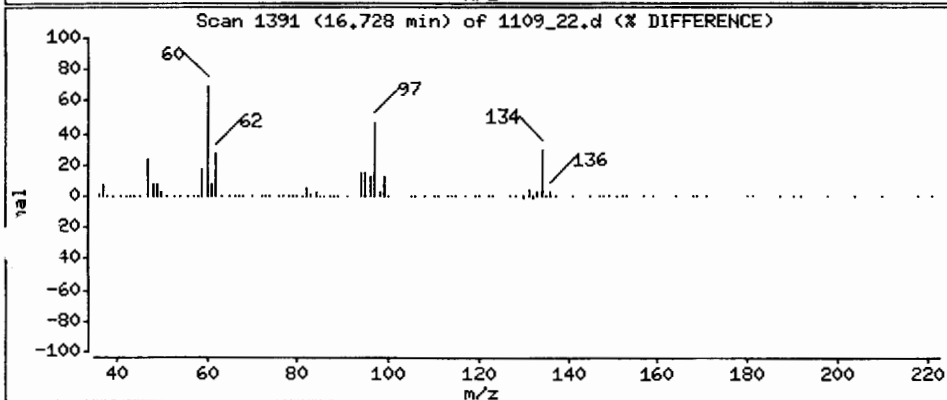
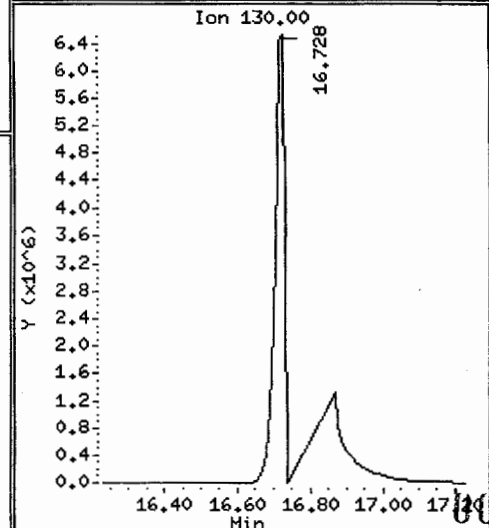
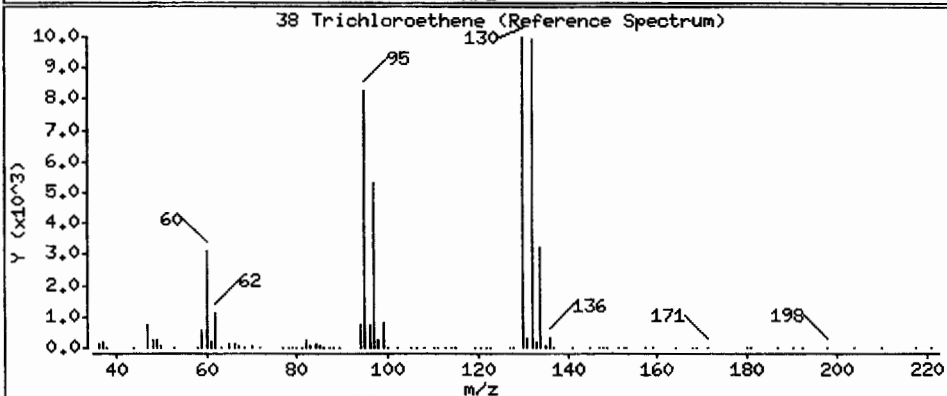
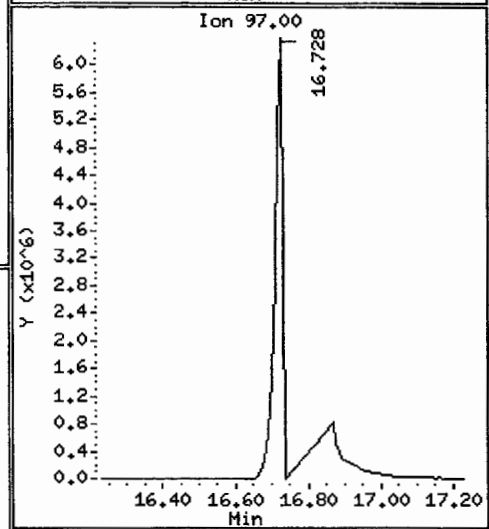
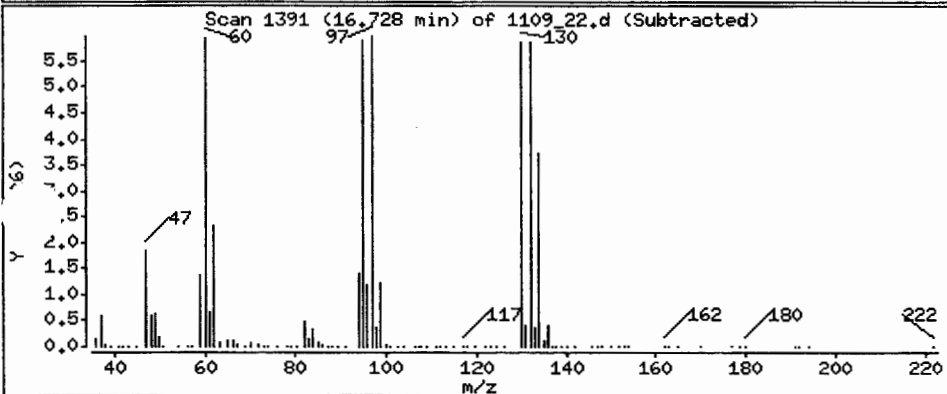
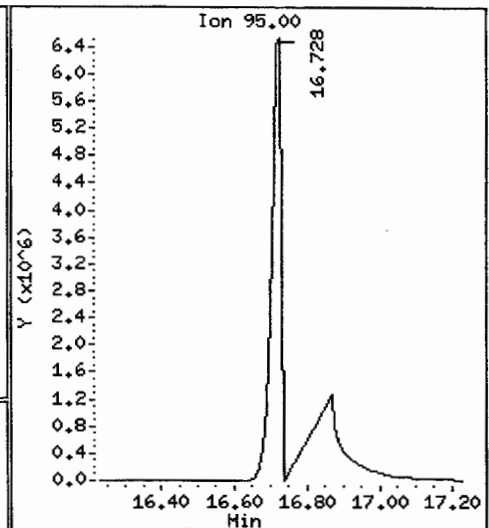
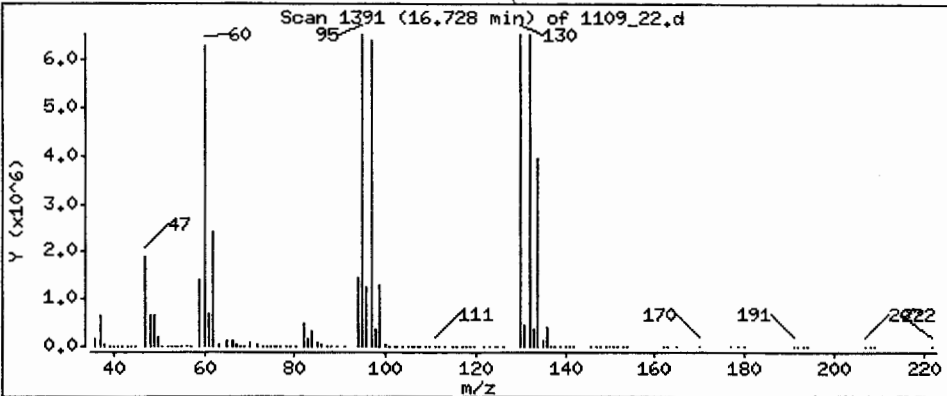
Column diameter: 0.32

38 Trichloroethene

Concentration: 67.6 ug/L

Match

Saturated



Data File: /var/chem/MSDA.i/1109a.b/1109_23.d
 Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1109a.b/1109_23.d
 Lab Smp Id: A100792-6
 Inj Date : 10-NOV-2000 02:29
 Operator : DB
 Smp Info : A100792-6
 Misc Info : 0;1;15;;15;;V000160MSA
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1109a.b/8260.m
 Meth Date : 13-Nov-2000 07:56 dvb
 Cal Date : 06-NOV-2000 22:35
 Als bottle: 23
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1106_08.d
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

DB
11/13/00

d Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN (ug/L)	FINAL (ug/L)	
26 cis 1,2-Dichloroethene	96	12.512	12.480	(0.798)	1878463	10.1327	10.1	8153
28 Chloroform (*CCC*)	83	13.342	13.310	(0.851)	199176	0.54060	0.54060	9505
\$ 29 Dibromofluoromethane (S)	113	13.781	13.740	(0.879)	4093376	21.7519	21.8	9273
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.718	14.688	(0.938)	5334330	21.5664	21.6	9416
* 37 Fluorobenzene (IS)	96	15.685	15.645	(1.000)	15036836	20.0000		9619
38 Trichloroethene	95	16.729	16.729	(1.067)	13119830	68.3083	68.3 <i>fact</i>	7714(Q)
\$ 45 Toluene-d8 (S)	98	20.557	20.508	(1.311)	14202749	23.1397	23.1	9625
M 55 Total Trihalomethanes	100				199176	0.54060	0.54060	0
* 56 Chlorobenzene-d5	117	25.565	25.530	(1.000)	11179895	20.0000		9362
\$ 65 4-Bromofluorobenzene (S)	95	29.402	29.370	(0.905)	5684067	23.2332	23.2	8764
* 79 1,4 Dichlorobenzene-d4	152	32.481	32.453	(1.000)	4929841	20.0000		8870

QC Flag Legend

Q - Qualifier signal failed the ratio test.

00188

Data File: /var/chem/MSDA.i/1109a.b/1109_23.d
 Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1109_23.d
 Lab Smp Id: A100792-6
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB

Calibration Date: 10-NOV-2000
 Calibration Time: 00:07

Level: LOW
 Sample Type: WATER

Method File: /var/chem/MSDA.i/1109a.b/8260.m
 Misc Info: 0;1;15;;15;;V000160MSA

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14817501	7408750	29635002	15036836	1.48
56 Chlorobenzene-d5	11421946	5710973	22843892	11179895	-2.12
79 1,4 Dichlorobenze	5457572	2728786	10915144	4929841	-9.67

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.68	15.18	16.18	15.68	0.04
56 Chlorobenzene-d5	25.56	25.06	26.06	25.57	0.02
9 1,4 Dichlorobenze	32.48	31.98	32.98	32.48	-0.01

DB

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA.i/1109a.b/1109_23.d
Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1109a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-6
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1109a.b/8260.m
Misc Info: 0;1;15;;15;;V000160MSA

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	21.8	108.76	70-130
\$ 33 1,2-Dichloroethane	20.0	21.6	107.83	70-130
\$ 45 Toluene-d8 (S)	20.0	23.1	115.70	70-130
\$ 65 4-Bromofluorobenze	20.0	23.2	116.17	70-130

017

Data File: /var/chem/MSDA,i/1109a,b/1109_23.d

Date : 10-NOV-2000 02:29

Client ID:

Sample Info: A100792-6

Purge Volume: 15.0

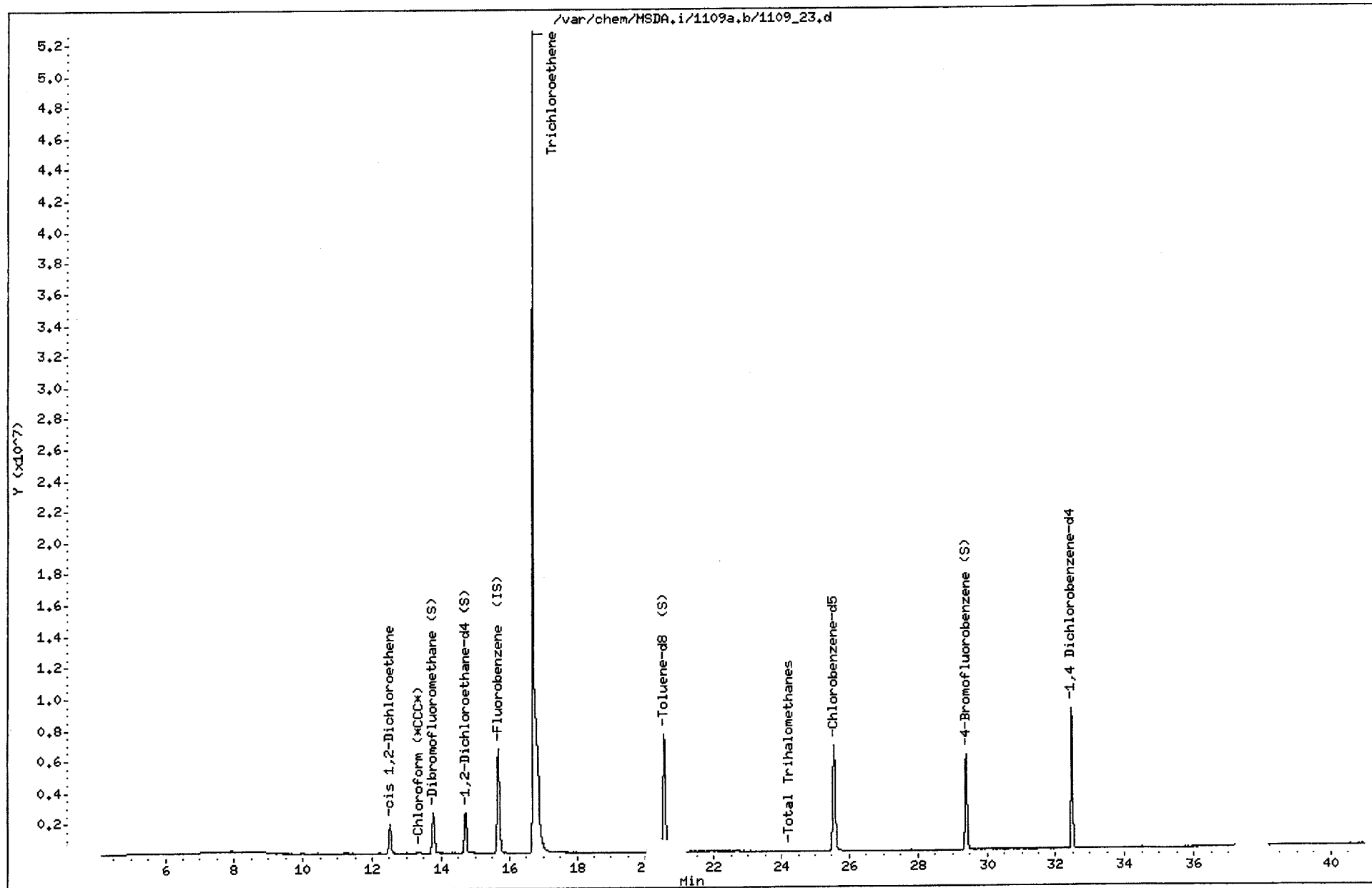
Column phase: DB-624

Instrument: MSDA.i

Operator: DB

Column diameter: 0.32

00191



Data File: /var/chem/MSDA.i/1109a,b/1109_23.d

Date : 10-NOV-2000 02:29

Client ID:

Instrument: MSDA.i

Sample Info: A100792-6

Purge Volume: 15.0

Operator: DB

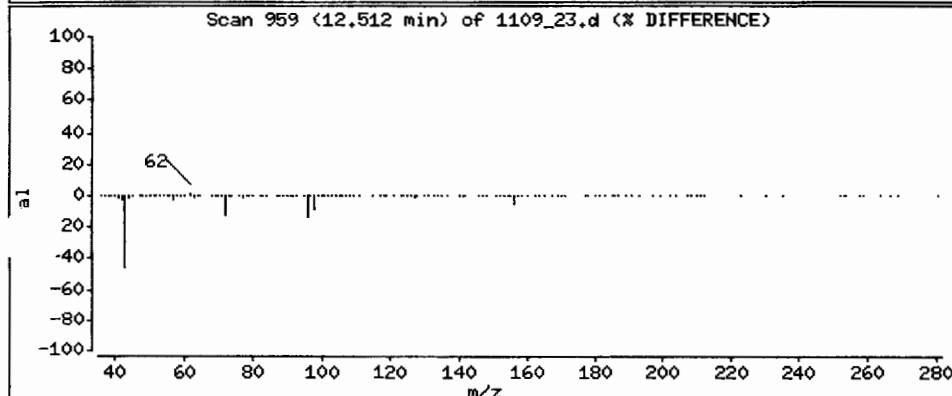
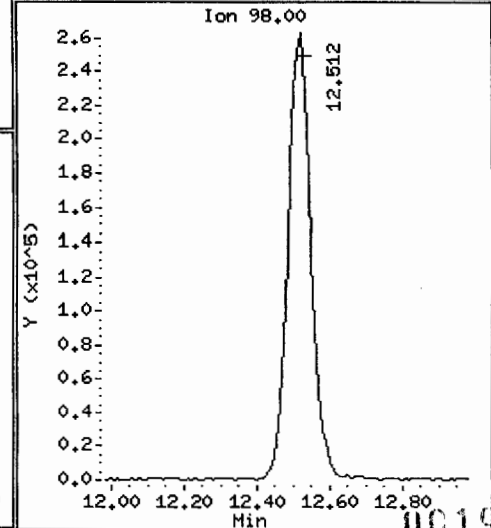
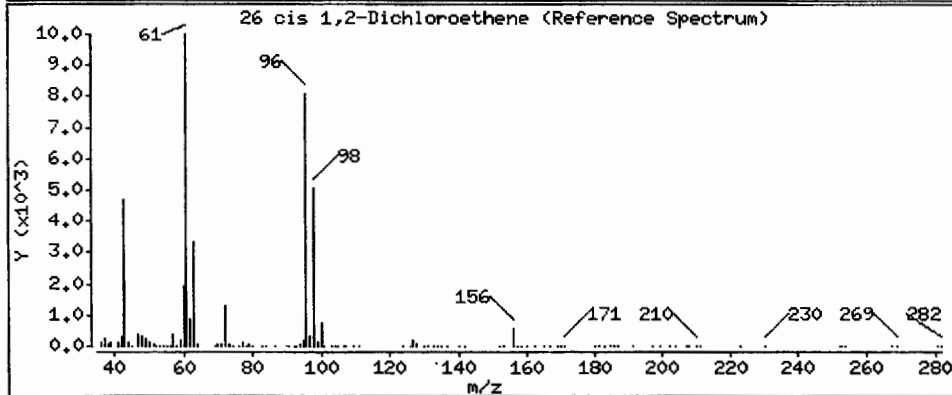
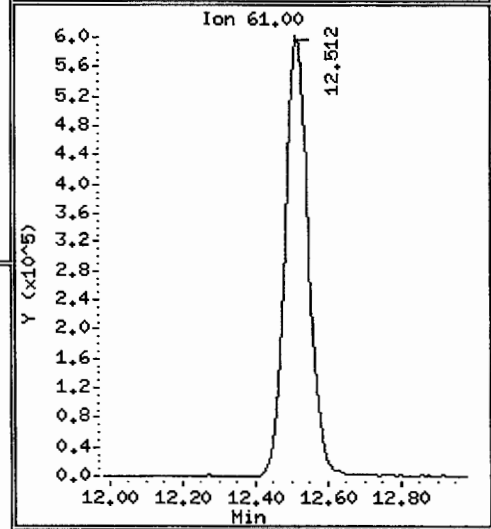
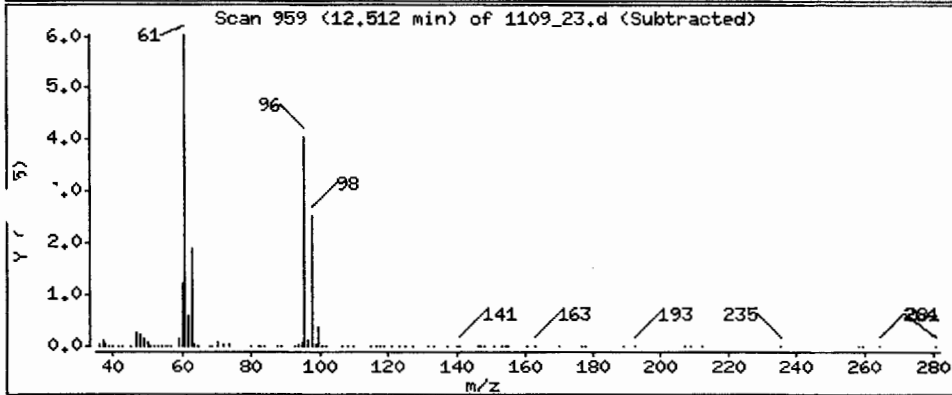
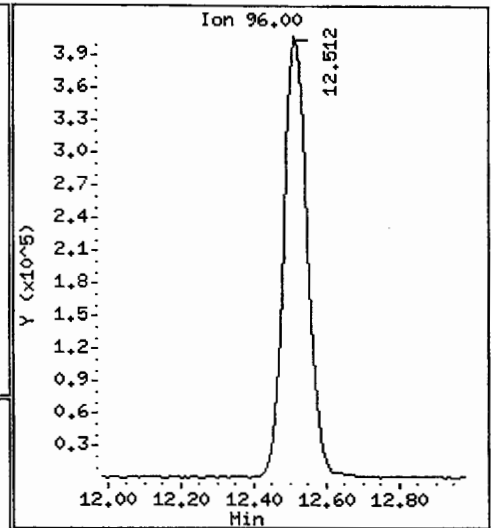
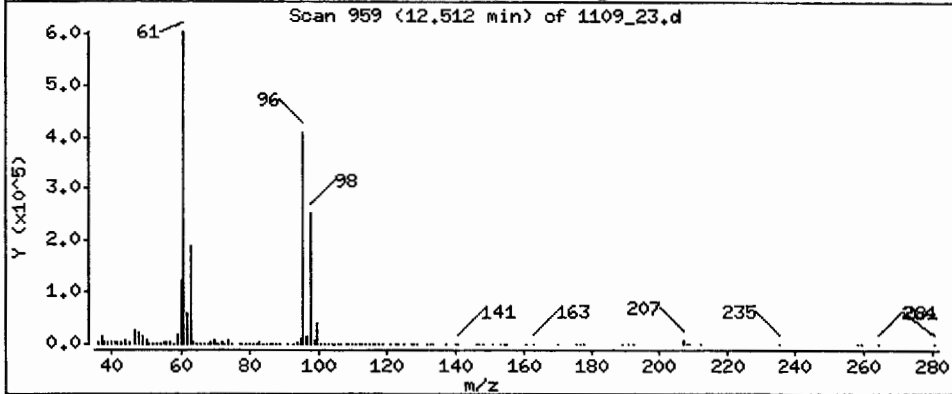
Column phase: DB-624

Column diameter: 0.32

26 cis 1,2-Dichloroethene

Match

Concentration: 10.1 ug/L



Data File: /var/chem/MSDA.i/1109a,b/1109_23.d

Date: 10-NOV-2000 02:29

Client ID:

Instrument: MSDA.i

Sample Info: A100792-6

Purge Volume: 15.0

Operator: DB

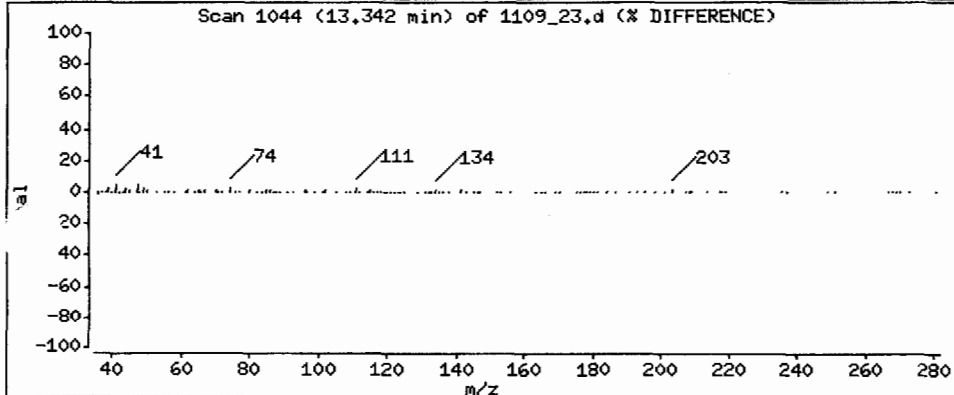
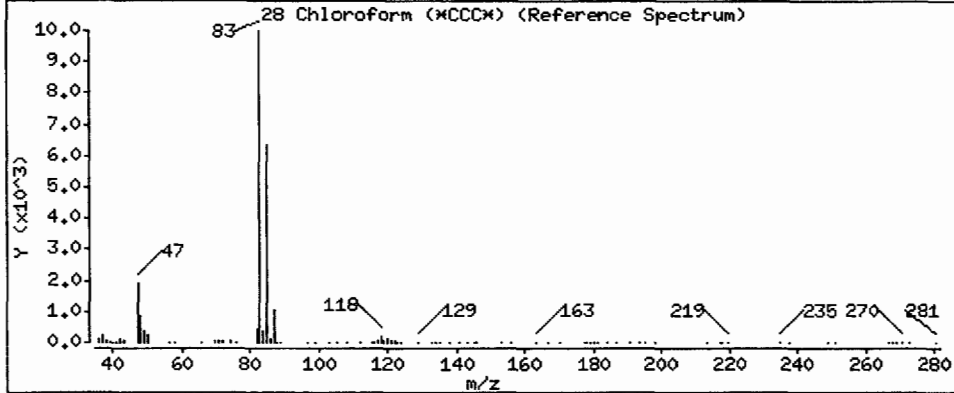
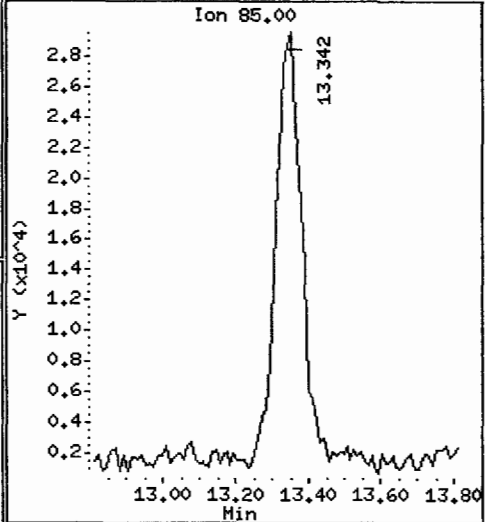
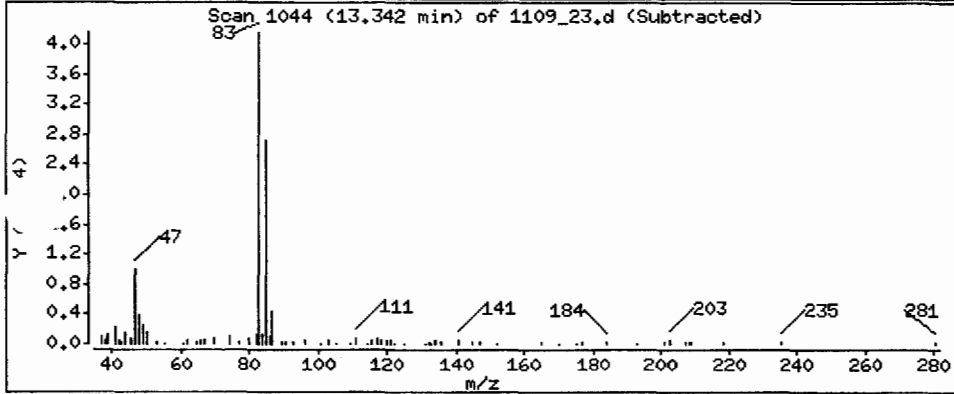
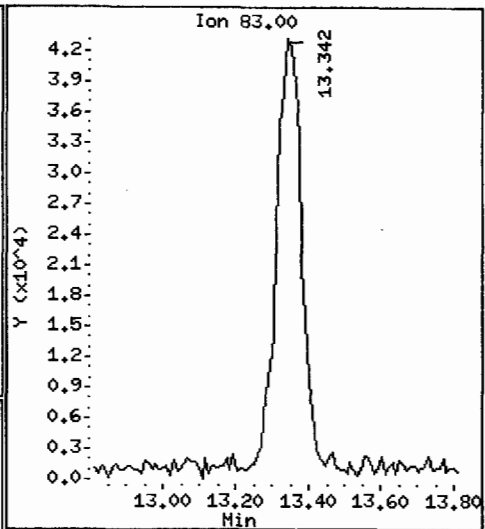
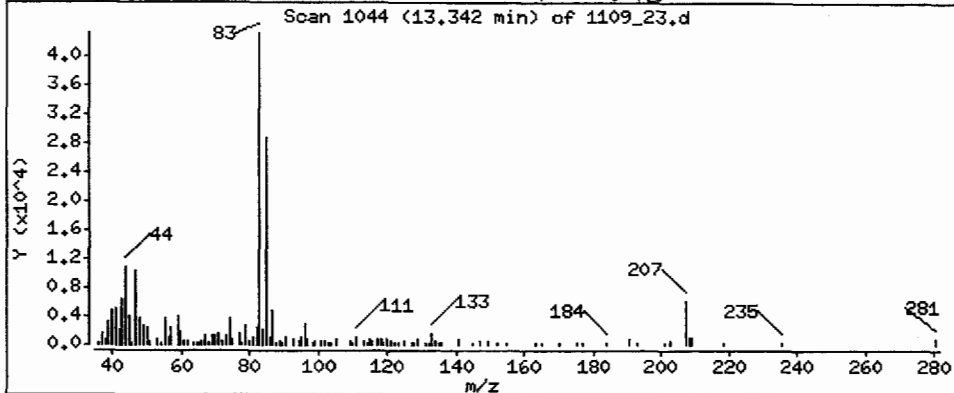
Column phase: DB-624

Column diameter: 0.32

28 Chloroform (MCCCM)

Match

Concentration: 0.54060 ug/L



00193

Data File: /var/chem/HSDA.i/1109a.b/1109_23.d

Date: 10-NOV-2000 02:29

Client ID:

Instrument: HSDA.i

Sample Info: A100792-6

Purge Volume: 15.0

Operator: DB

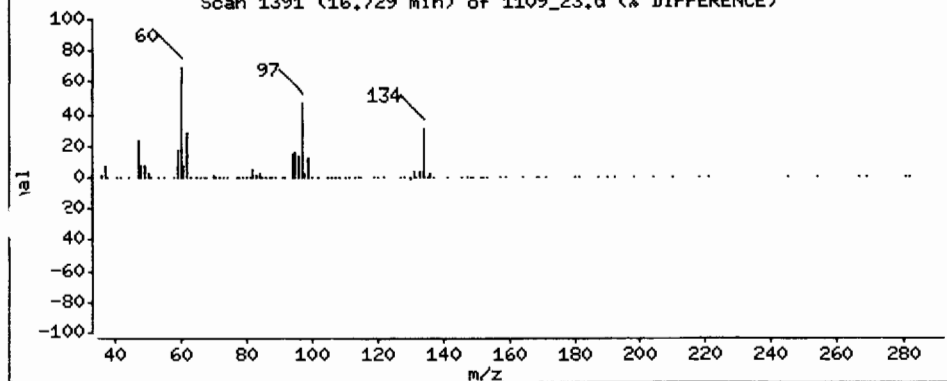
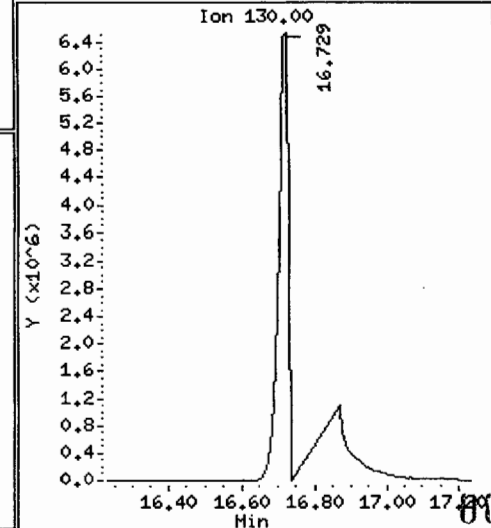
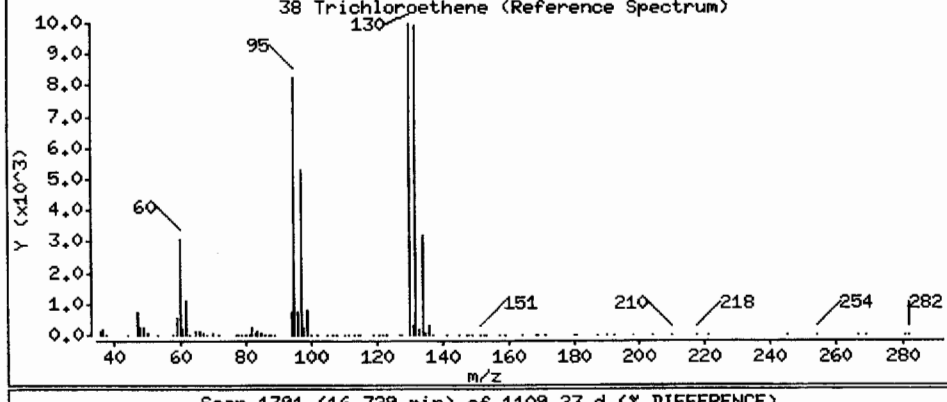
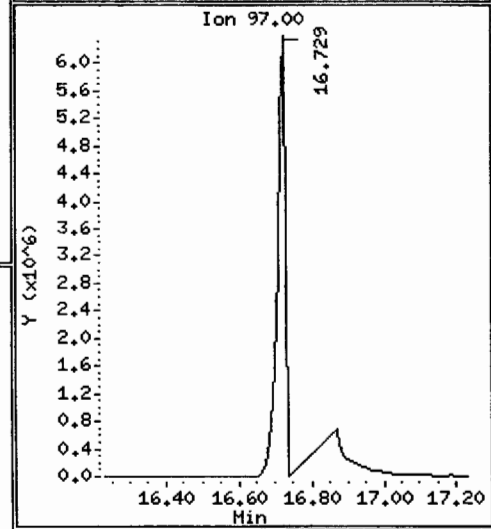
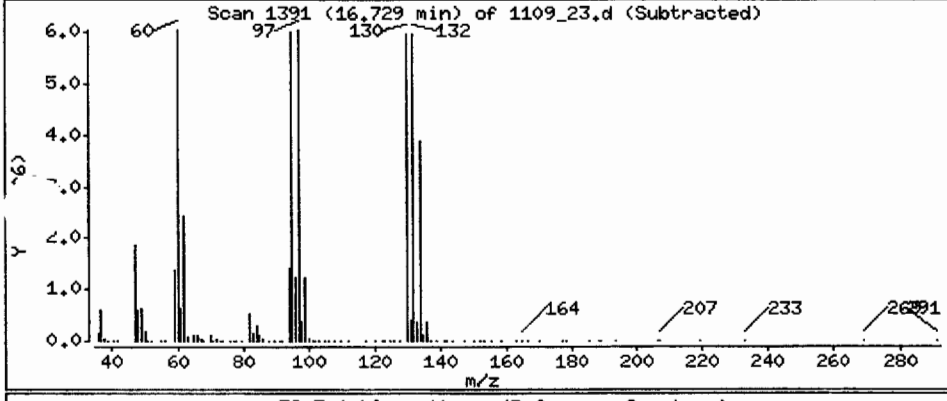
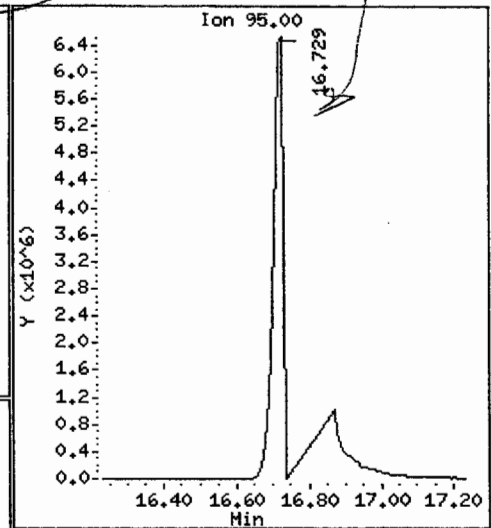
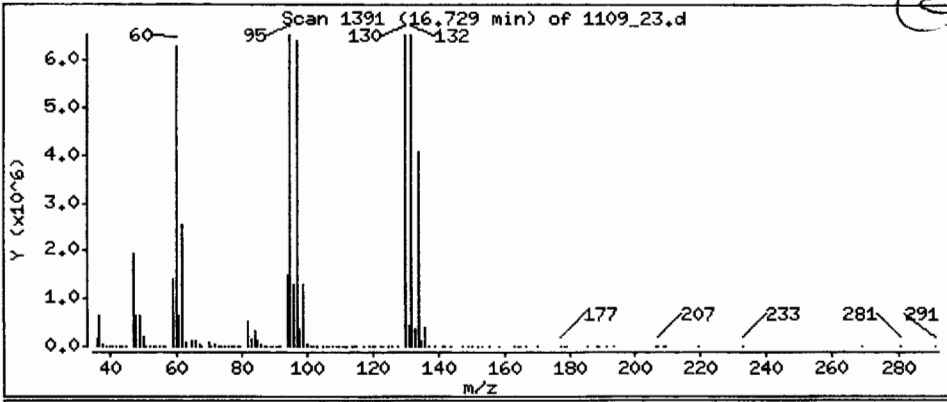
Column phase: DB-624

Column diameter: 0.32

38 Trichloroethene

Concentration: 68.3 ug/L

Handwritten: Kern Saturated



Data File: /var/chem/MSDA.i/1109a.b/1109_24.d
Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1109a.b/1109_24.d
Lab Smp Id: A100792-7
Inj Date : 10-NOV-2000 03:16
Operator : DB
Smp Info : A100792-7
Misc Info : 0;1;15;;15;;V000160MSA
Comment : 10 mL Sample Sparge
Method : /var/chem/MSDA.i/1109a.b/8260.m
Meth Date : 13-Nov-2000 07:56 dvb
Cal Date : 06-NOV-2000 22:35
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50

Inst ID: MSDA.i
Quant Type: ISTD
Cal File: 1106_08.d
Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

Variable Local Compound Variable

DB
11/13/00

Compounds	QUANT SIG	RT		REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
		MASS	EXP			ON-COLUMN	FINAL	
18 trans-1,2-Dichloroethene	96	9.992	9.960	(0.637)	475561	2.95755	2.9576	8707
26 cis 1,2-Dichloroethene	96	12.520	12.480	(0.798)	1589465	9.04975	9.0498	8113
\$ 29 Dibromofluoromethane (S)	113	13.769	13.740	(0.878)	4053020	22.7331	22.7	9245
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.716	14.688	(0.938)	5294791	22.5949	22.6	9376
* 37 Fluorobenzene (IS)	96	15.682	15.645	(1.000)	14245983	20.0000		9560
38 Trichloroethene	95	16.775	16.729	(1.070)	7831803	43.0399	43.0	9244
\$ 45 Toluene-d8 (S)	98	20.561	20.508	(1.311)	13759180	23.6615	23.7	9588
* 56 Chlorobenzene-d5	117	25.567	25.530	(1.000)	10793531	20.0000		9337
\$ 65 4-Bromofluorobenzene (S)	95	29.402	29.370	(0.905)	5602963	23.4357	23.4	8715
* 79 1,4 Dichlorobenzene-d4	152	32.480	32.453	(1.000)	4817511	20.0000		8822

Peak STR. possible
can't verify of TCE

Report TCE, Level confirmed
See file 110-08

DB
11/13/00

00195

Data File: /var/chem/MSDA.i/1109a.b/1109_24.d
 Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1109_24.d
 Lab Smp Id: A100792-7
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB

Calibration Date: 10-NOV-2000
 Calibration Time: 00:07

Level: LOW
 Sample Type: WATER

Method File: /var/chem/MSDA.i/1109a.b/8260.m
 Misc Info: 0;1;15;;15;;V000160MSA

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14817501	7408750	29635002	14245983	-3.86
56 Chlorobenzene-d5	11421946	5710973	22843892	10793531	-5.50
79 1,4 Dichlorobenze	5457572	2728786	10915144	4817511	-11.73

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.68	15.18	16.18	15.68	0.02
56 Chlorobenzene-d5	25.56	25.06	26.06	25.57	0.02
9 1,4 Dichlorobenze	32.48	31.98	32.98	32.48	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

03

Data File: /var/chem/MSDA.i/1109a.b/1109_24.d
Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1109a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-7
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1109a.b/8260.m
Misc Info: 0;1;15;;15;;V000160MSA

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	22.7	113.67	70-130
\$ 33 1,2-Dichloroethane	20.0	22.6	112.97	70-130
\$ 45 Toluene-d8 (S)	20.0	23.7	118.31	70-130
\$ 65 4-Bromofluorobenze	20.0	23.4	117.18	70-130

JB

Data File: /var/chem/MSDA.i/1109a,b/1109_24.d

Date : 10-NOV-2000 03:16

Client ID:

Sample Info: A100792-7

Purge Volume: 15.0

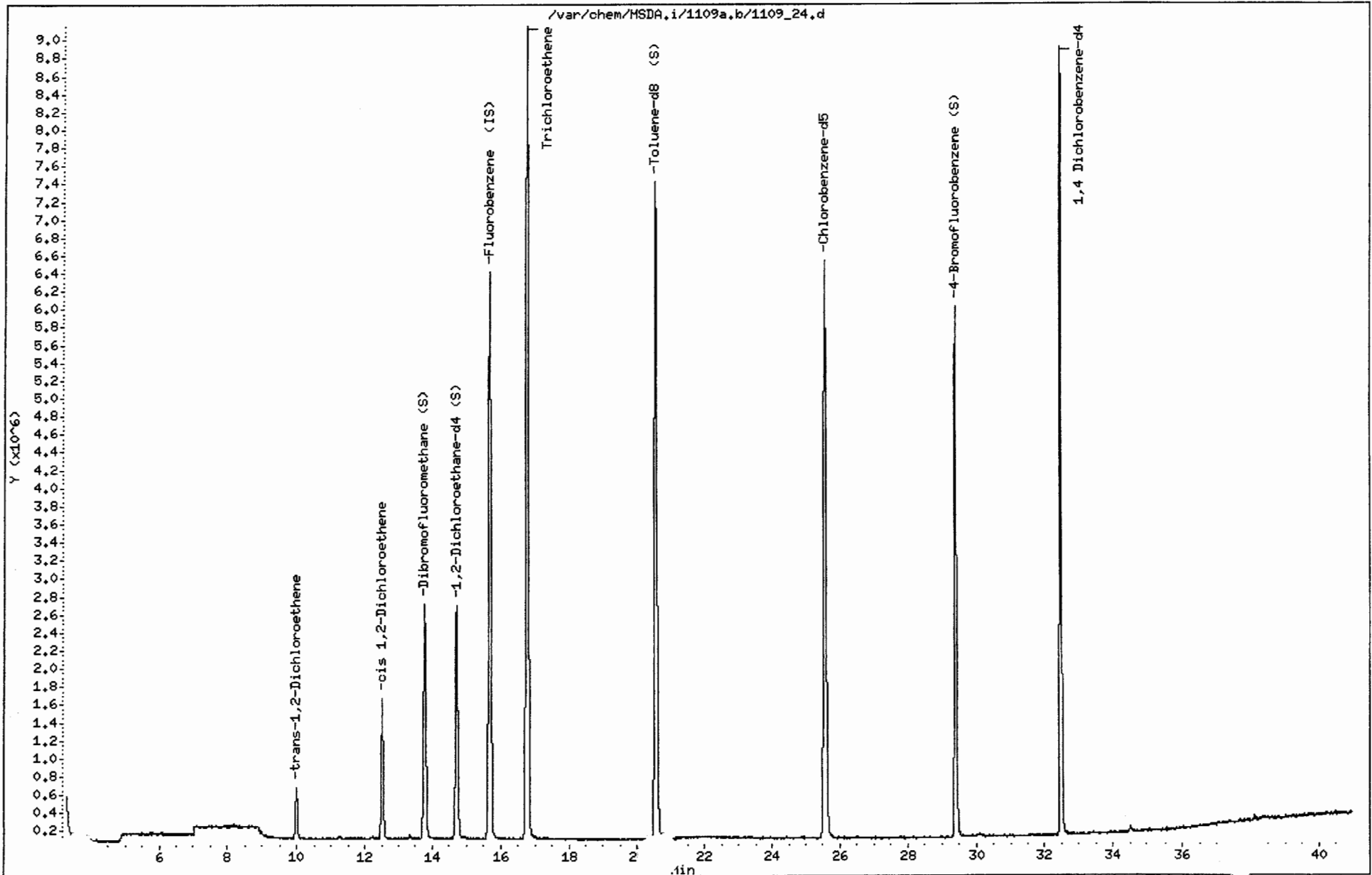
Column phase: DB-624

Instrument: MSDA.i

Operator: DB

Column diameter: 0.32

00198



Data File: /var/chem/MSDA.i/1109a.b/1109_24.d

Date: 10-NOV-2000 03:16

Client ID:

Instrument: MSDA.i

Sample Info: A100792-7

Purge Volume: 15.0

Operator: DB

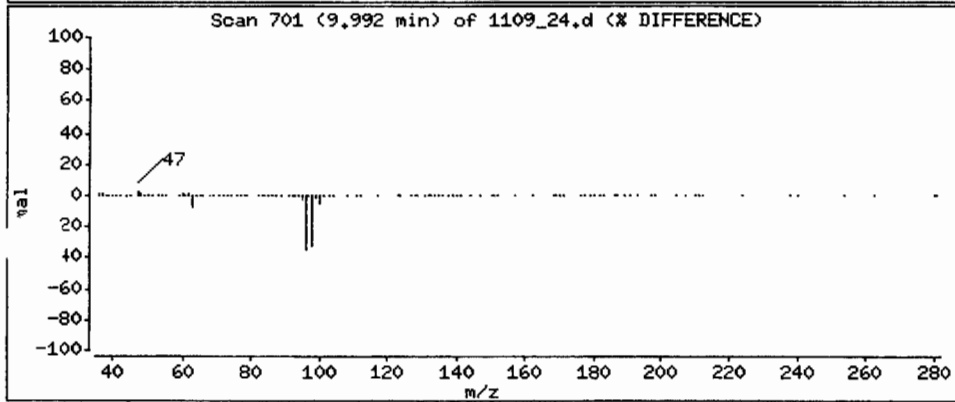
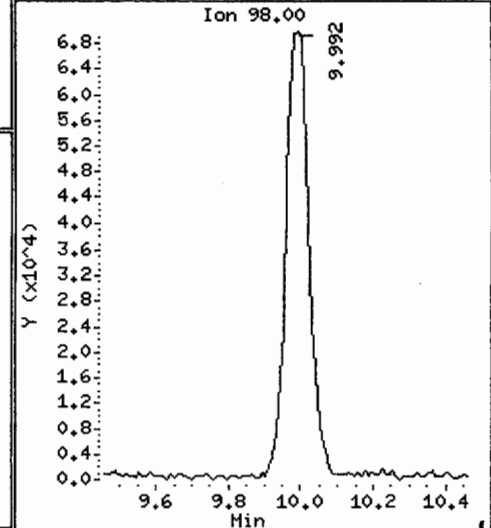
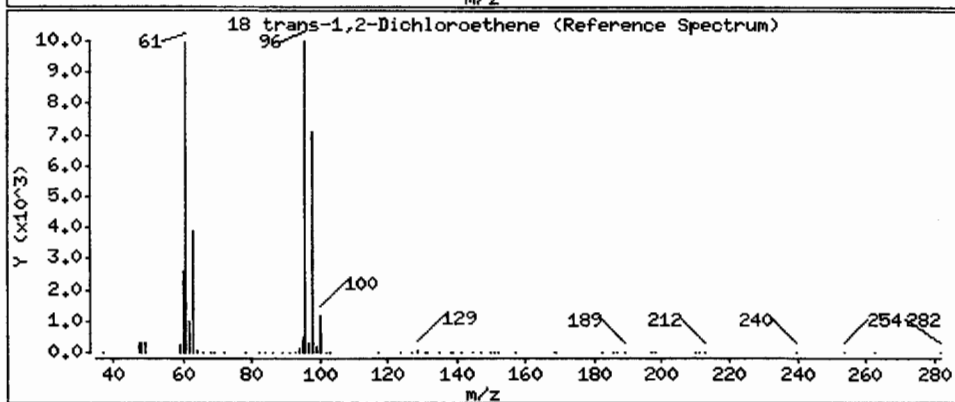
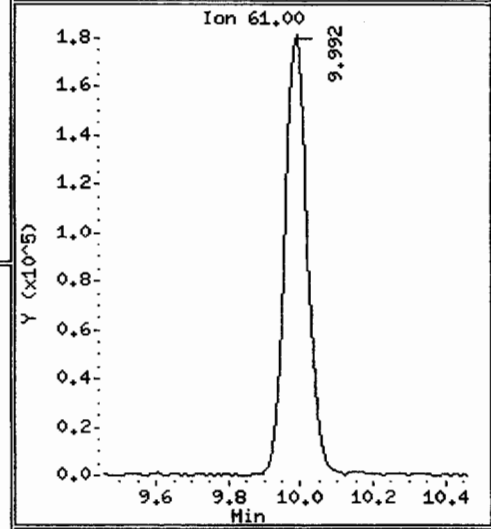
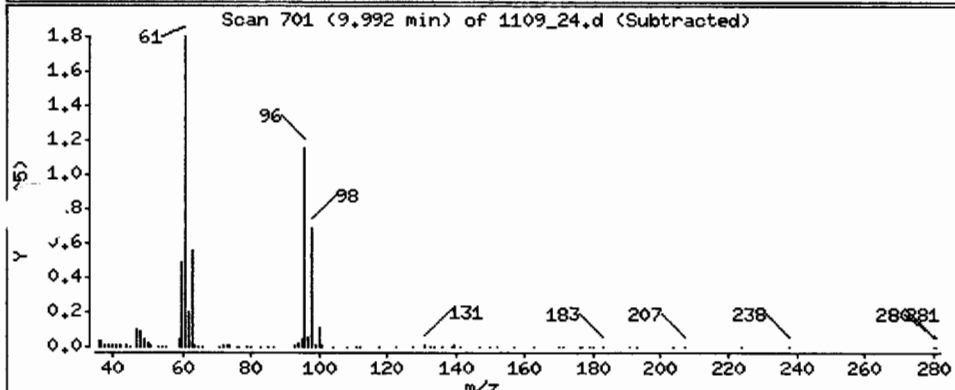
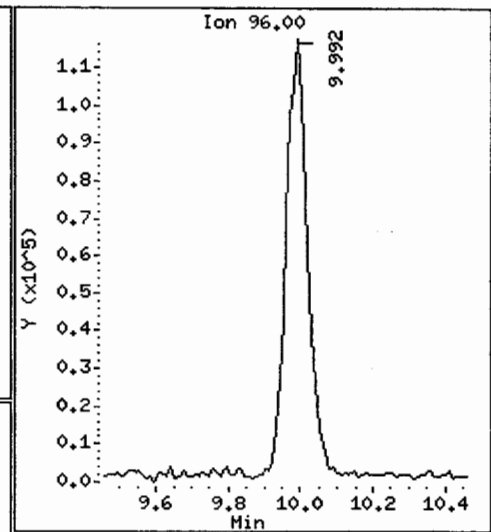
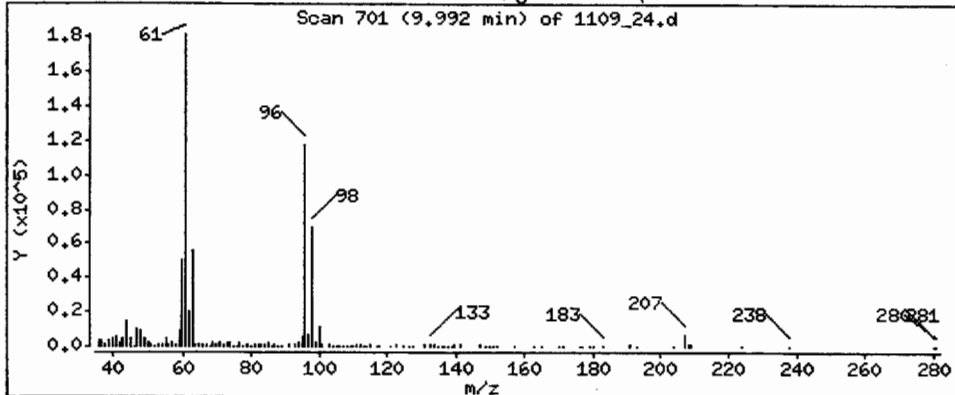
Column phase: DB-624

Column diameter: 0.32

18 trans-1,2-Dichloroethene

Match

Concentration: 2.9576 ug/L



Data File: /var/chem/MSDA.i/1109a.b/1109_24.d

Date: 10-NOV-2000 03:16

Client ID:

Instrument: MSDA.i

Sample Info: A100792-7

Purge Volume: 15.0

Operator: DB

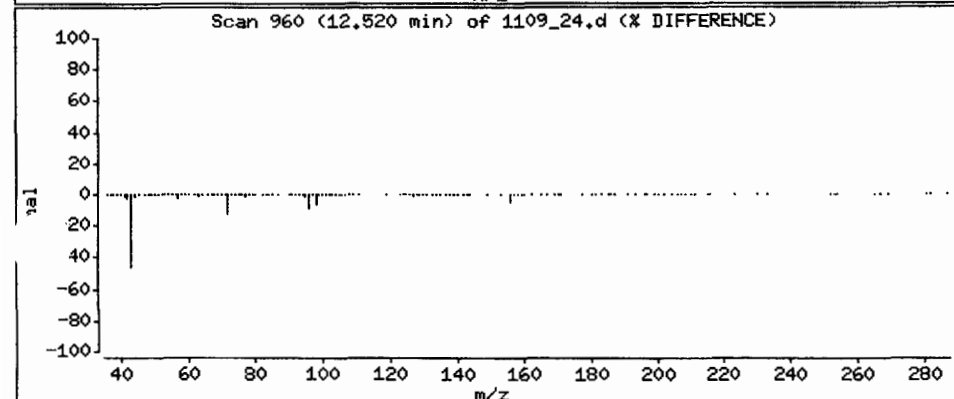
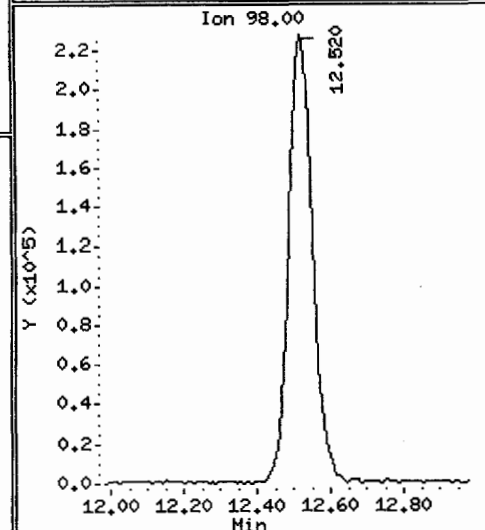
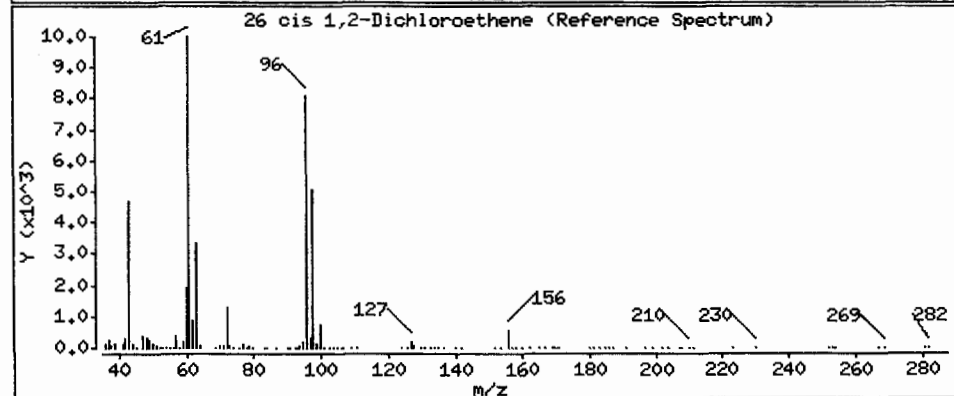
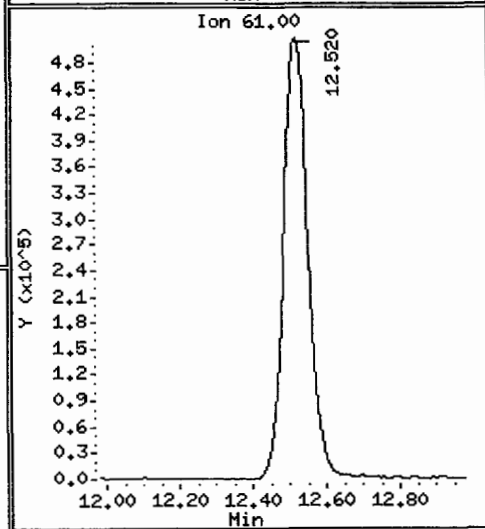
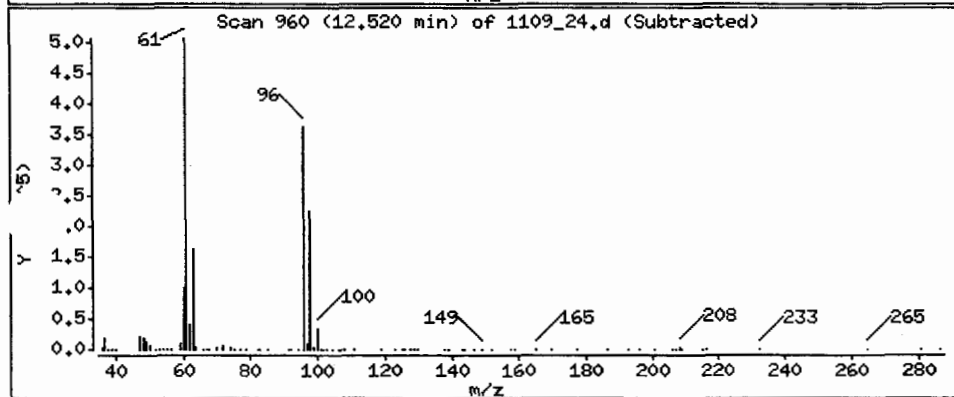
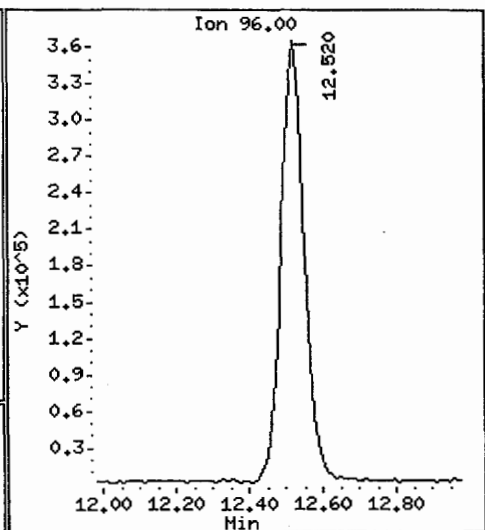
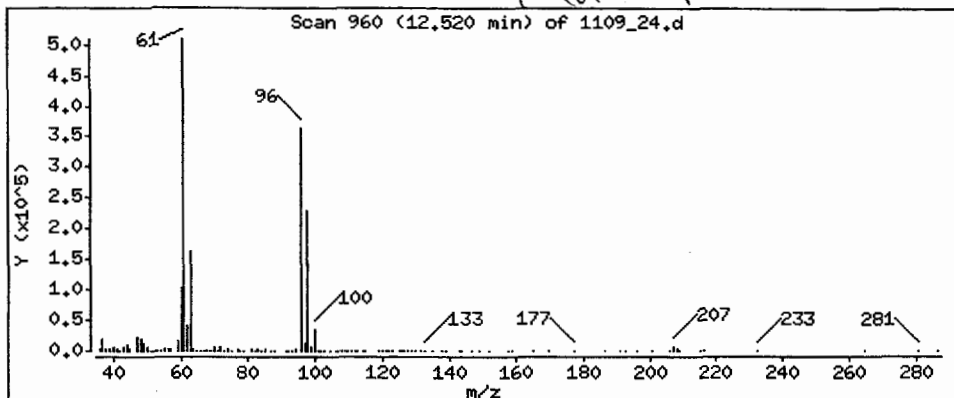
Column phase: DB-624

Column diameter: 0.32

26 cis 1,2-Dichloroethene

Match

Concentration: 9.0498 ug/L



Data File: /var/chem/MSDA.i/1109a,b/1109_24.d

Date: 10-NOV-2000 03:16

Client ID:

Instrument: MSDA.i

Sample Info: A100792-7

Purge Volume: 15.0

Operator: DB

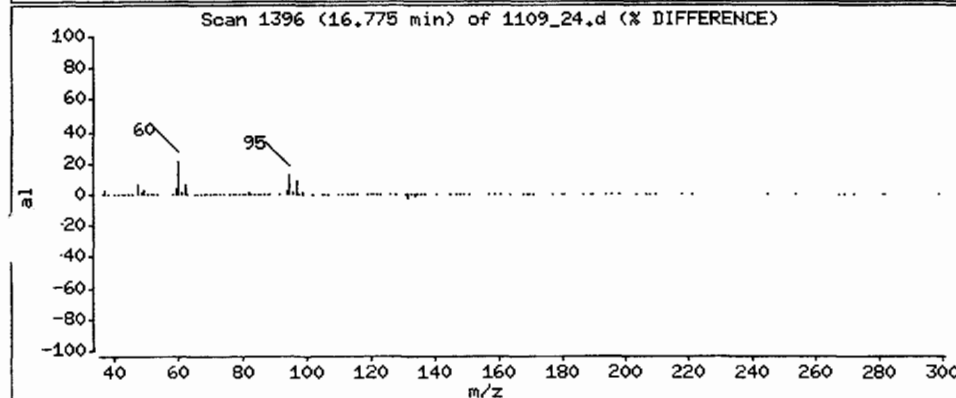
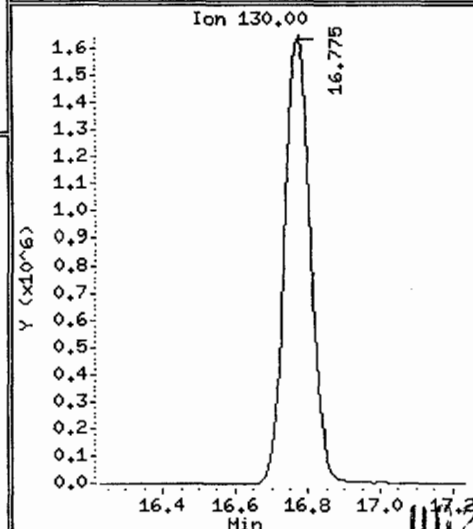
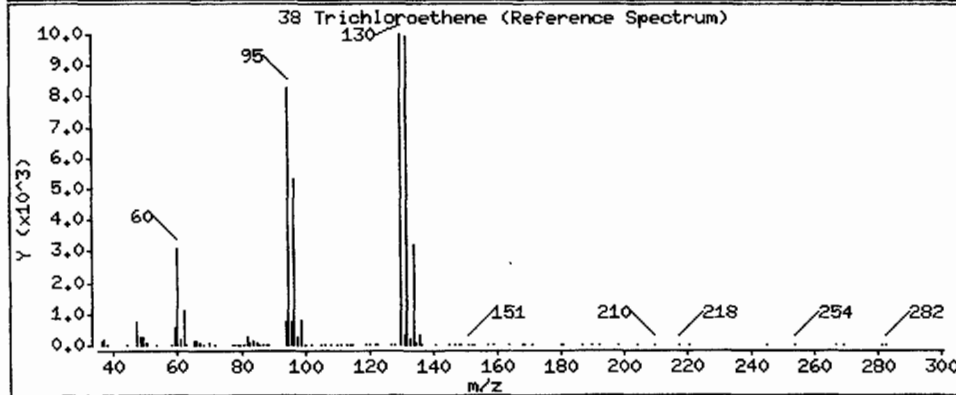
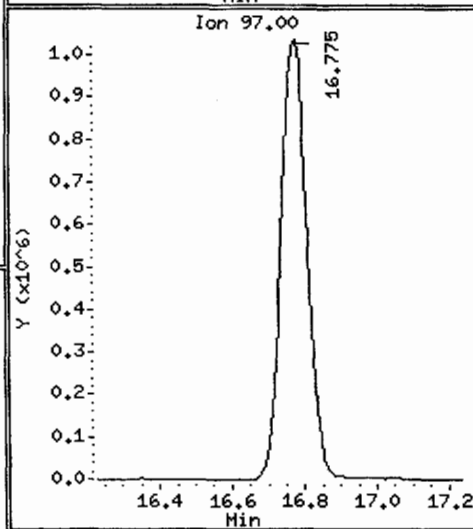
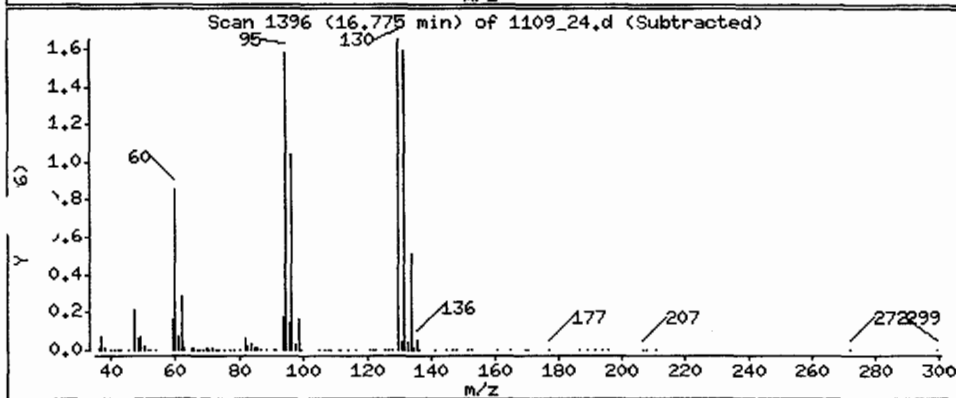
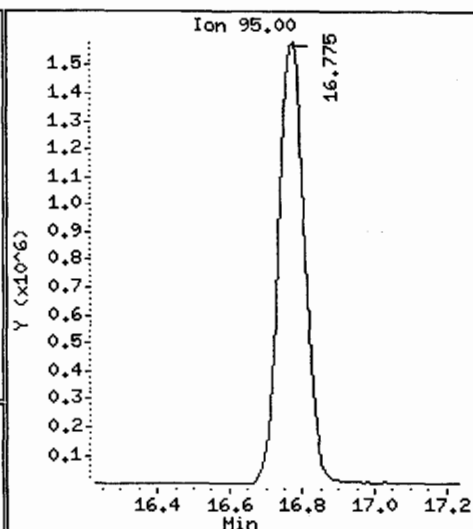
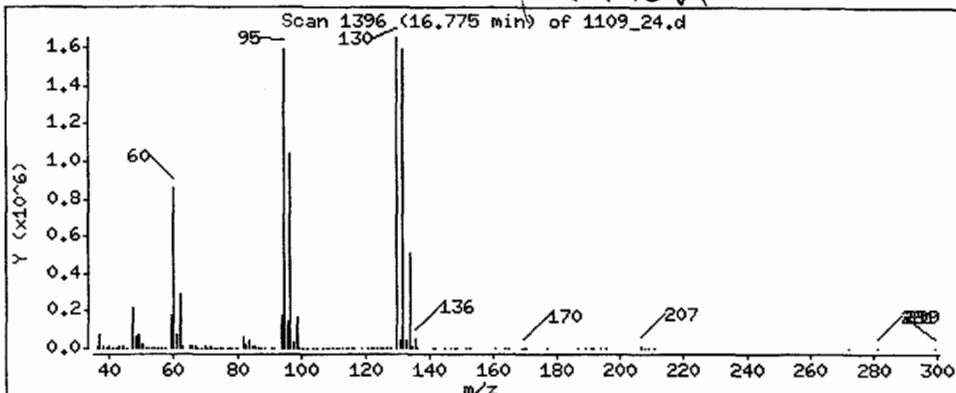
Column phase: DB-624

Column diameter: 0.32

38 Trichloroethene

Concentration: 43.0 ug/L

Match



06207

Data File: /var/chem/MSDA.i/1109a.b/1109_25.d
 Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1109a.b/1109_25.d
 Lab Smp Id: A100792-8
 Inj Date : 10-NOV-2000 04:03
 Operator : DB
 Smp Info : A100792-8
 Misc Info : 0;1;15;;15;;V000160MSA
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1109a.b/8260.m
 Meth Date : 13-Nov-2000 07:56 divb
 Cal Date : 06-NOV-2000 22:35
 Als bottle: 25
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1106_08.d
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

d Variable

Local Compound Variable

DB
11/13/00

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN (ug/L)	FINAL (ug/L)	
\$ 29 Dibromofluoromethane (S)	113	13.777	13.740	(0.878)	4018254	22.9063	22.9	9191
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.724	14.688	(0.938)	5150622	22.3388	22.3	9401
* 37 Fluorobenzene (IS)	96	15.690	15.645	(1.000)	14016972	20.0000		9633
38 Trichloroethene	95	16.773	16.729	(1.069)	364975	2.03850	2.0385	9309
\$ 45 Toluene-d8 (S)	98	20.557	20.508	(1.310)	13581866	23.7382	23.7	9592
* 56 Chlorobenzene-d5	117	25.571	25.530	(1.000)	10638284	20.0000		9413
\$ 65 4-Bromofluorobenzene (S)	95	29.406	29.370	(0.905)	5533193	23.5156	23.5	8799
* 79 1,4 Dichlorobenzene-d4	152	32.483	32.453	(1.000)	4741365	20.0000		8859

Data File: /var/chem/MSDA.i/1109a.b/1109_25.d
 Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1109_25.d
 Lab Smp Id: A100792-8
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB
 Method File: /var/chem/MSDA.i/1109a.b/8260.m
 Misc Info: 0;1;15;;15;;V000160MSA

Calibration Date: 10-NOV-2000
 Calibration Time: 00:07
 Level: LOW
 Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14817501	7408750	29635002	14016972	-5.40
56 Chlorobenzene-d5	11421946	5710973	22843892	10638284	-6.86
79 1,4 Dichlorobenze	5457572	2728786	10915144	4741365	-13.12

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.68	15.18	16.18	15.69	0.07
56 Chlorobenzene-d5	25.56	25.06	26.06	25.57	0.04
9 1,4 Dichlorobenze	32.48	31.98	32.98	32.48	0.00

DB

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA.i/1109a.b/1109_25.d
Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: A100792-8
Level: LOW
Data Type: MS DATA
SpikeList File: voa.spk
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1109a.b/8260.m
Misc Info: 0;1;15;;15;;V000160MSA

Client SDG: 1109a
Fraction: VOA
Operator: DB
SampleType: SAMPLE
Quant Type: ISTD

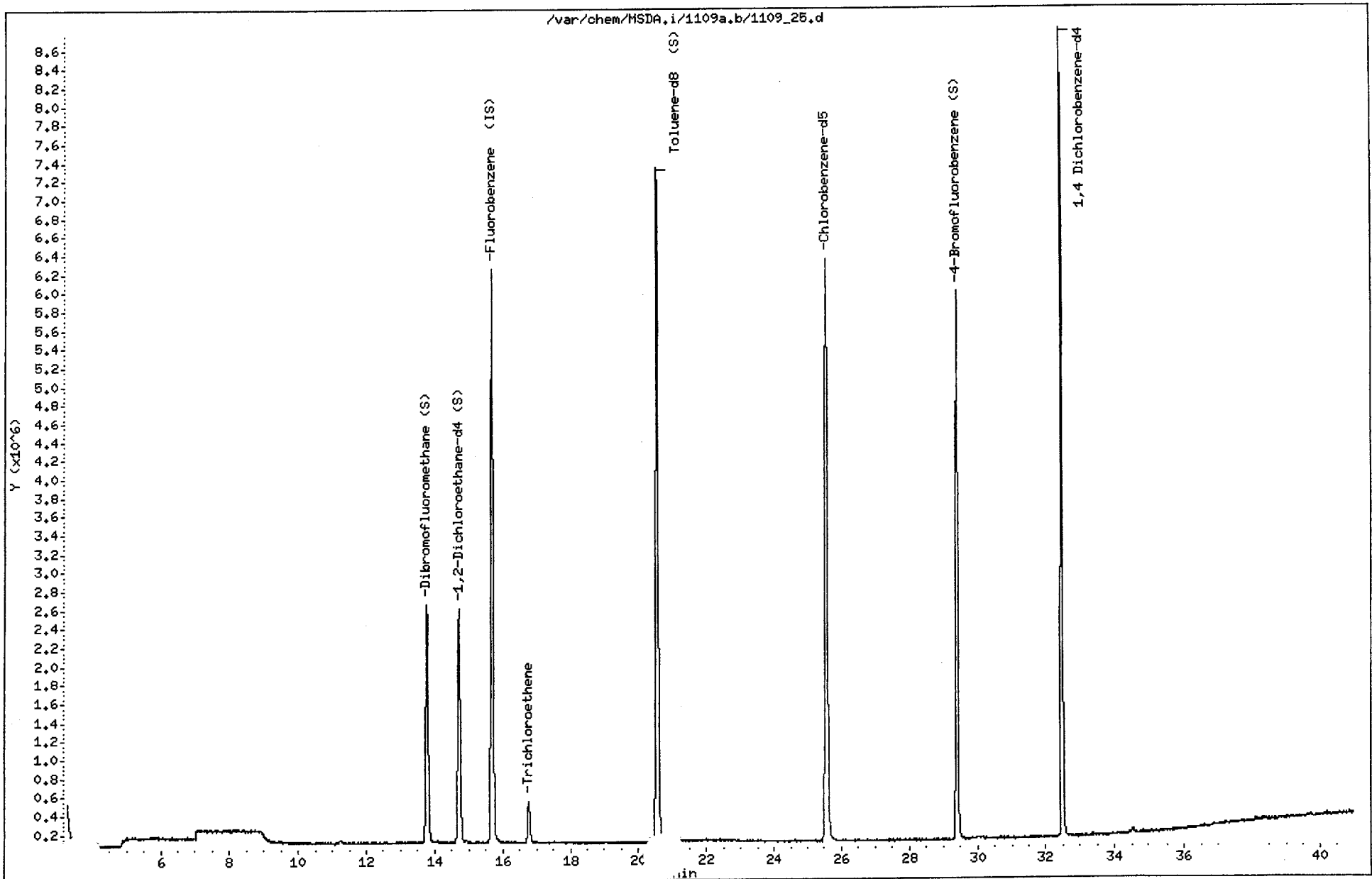
SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	22.9	114.53	70-130
\$ 33 1,2-Dichloroethane	20.0	22.3	111.69	70-130
\$ 45 Toluene-d8 (S)	20.0	23.7	118.69	70-130
\$ 65 4-Bromofluorobenze	20.0	23.5	117.58	70-130

DB

Data File: /var/chem/HSDA,i/1109a,b/1109_25.d
Date : 10-NOV-2000 04:03
Client ID:
Sample Info: A100792-8
Purge Volume: 15.0
Column phase: DB-624

Instrument: HSDA,i
Operator: DB
Column diameter: 0.32

00205



Data File: /var/chem/MSDA.i/1109a.b/1109_25.d

Date: 10-NOV-2000 04:03

Client ID:

Instrument: MSDA.i

Sample Info: A100792-8

Purge Volume: 15.0

Operator: DB

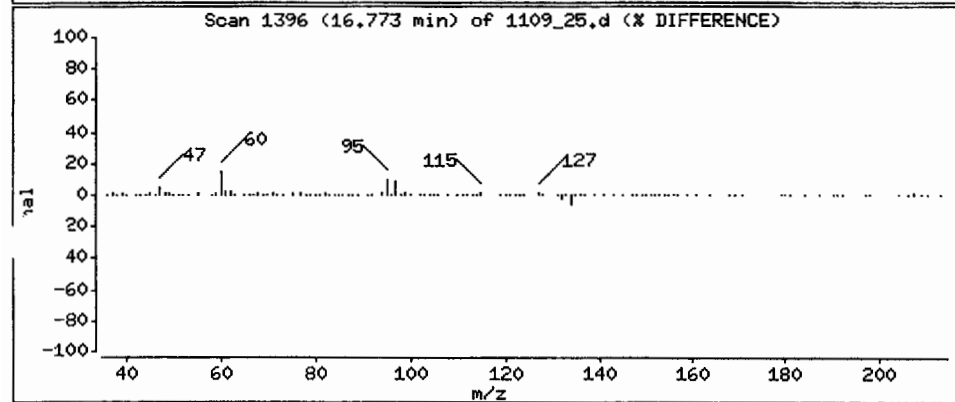
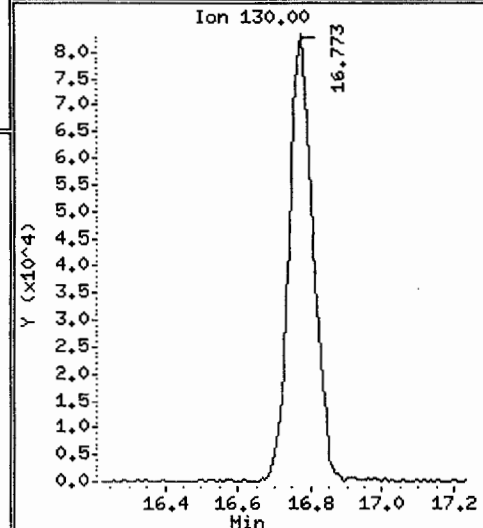
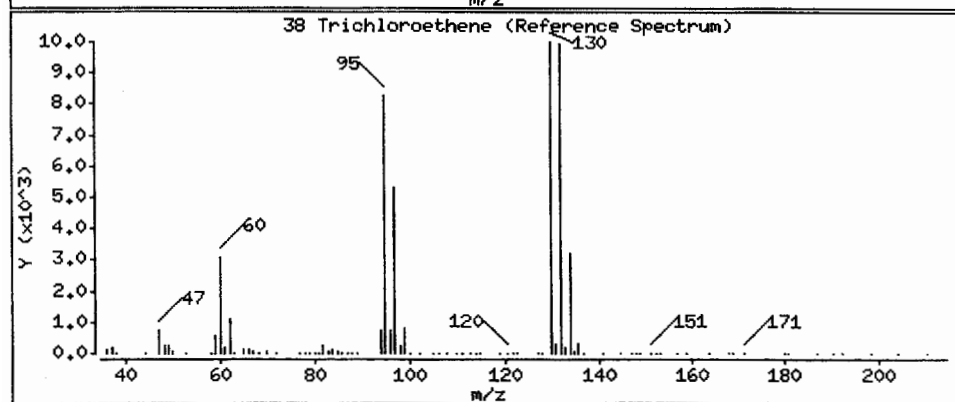
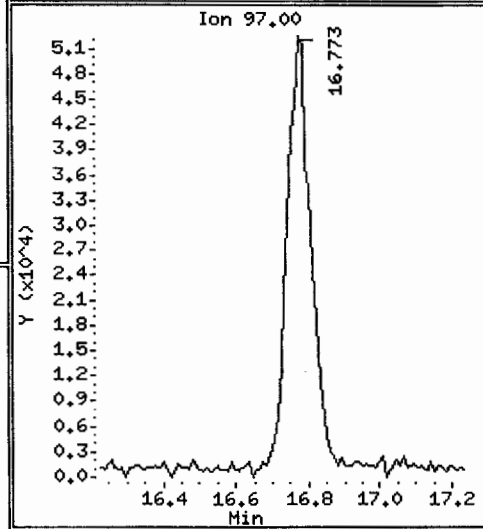
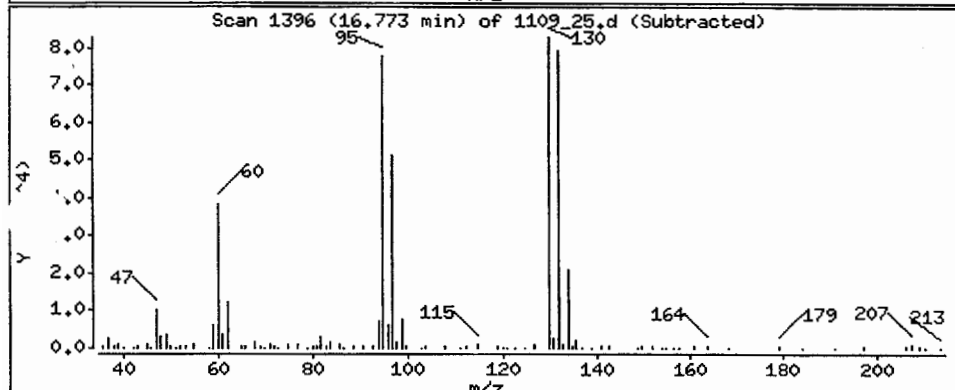
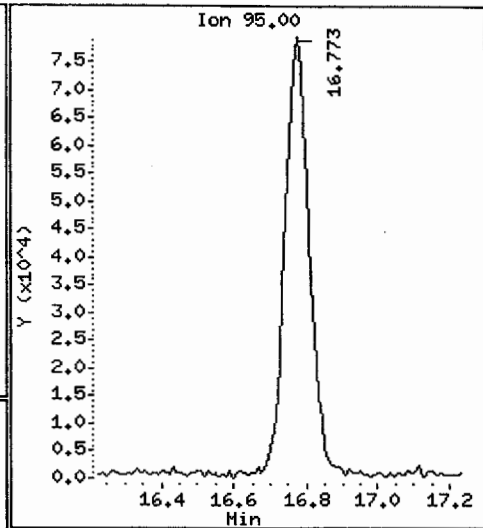
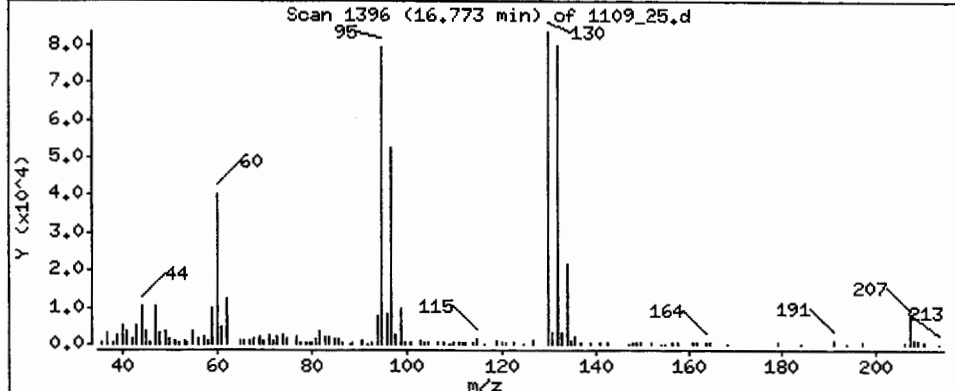
Column phase: DB-624

Column diameter: 0.32

38 Trichloroethene

Match

Concentration: 2.0385 ug/L



Data File: /var/chem/MSDA.i/1109a.b/1109_26.d
 Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1109a.b/1109_26.d
 Lab Smp Id: A100792-9
 Inj Date : 10-NOV-2000 04:51
 Operator : DB
 Smp Info : A100792-9
 Misc Info : 0;1;15;;15;;V000160MSA
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1109a.b/8260.m
 Meth Date : 13-Nov-2000 07:56 dvb
 Cal Date : 06-NOV-2000 22:35
 Als bottle: 26
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1106_08.d
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

DB
11/13/00

Compound Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN (ug/L)	FINAL (ug/L)	
\$ 29 Dibromofluoromethane (S)	113	13.775	13.740	(0.878)	4007996	22.7684	22.8	9235
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.722	14.688	(0.938)	5177077	22.3755	22.4	9384
* 37 Fluorobenzene (IS)	96	15.687	15.645	(1.000)	14065842	20.0000		9562
\$ 45 Toluene-d8 (S)	98	20.554	20.508	(1.310)	13672414	23.8134	23.8	9590
* 56 Chlorobenzene-d5	117	25.568	25.530	(1.000)	10681703	20.0000		9359
\$ 65 4-Bromofluorobenzene (S)	95	29.402	29.370	(0.905)	5558224	23.5176	23.5	8737
* 79 1,4 Dichlorobenzene-d4	152	32.479	32.453	(1.000)	4762413	20.0000		8841

00207

Data File: /var/chem/MSDA.i/1109a.b/1109_26.d
Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSDA.i
Lab File ID: 1109_26.d
Lab Smp Id: A100792-9
Analysis Type: VOA
Quant Type: ISTD
Operator: DB

Calibration Date: 10-NOV-2000
Calibration Time: 00:07

Level: LOW
Sample Type: WATER

Method File: /var/chem/MSDA.i/1109a.b/8260.m
Misc Info: 0;1;15;;15;;V000160MSA

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14817501	7408750	29635002	14065842	-5.07
56 Chlorobenzene-d5	11421946	5710973	22843892	10681703	-6.48
79 1,4 Dichlorobenze	5457572	2728786	10915144	4762413	-12.74

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.68	15.18	16.18	15.69	0.06
56 Chlorobenzene-d5	25.56	25.06	26.06	25.57	0.03
9 1,4 Dichlorobenze	32.48	31.98	32.98	32.48	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

DB

00203

Data File: /var/chem/MSDA.i/1109a.b/1109_26.d
Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

RECOVERY REPORT

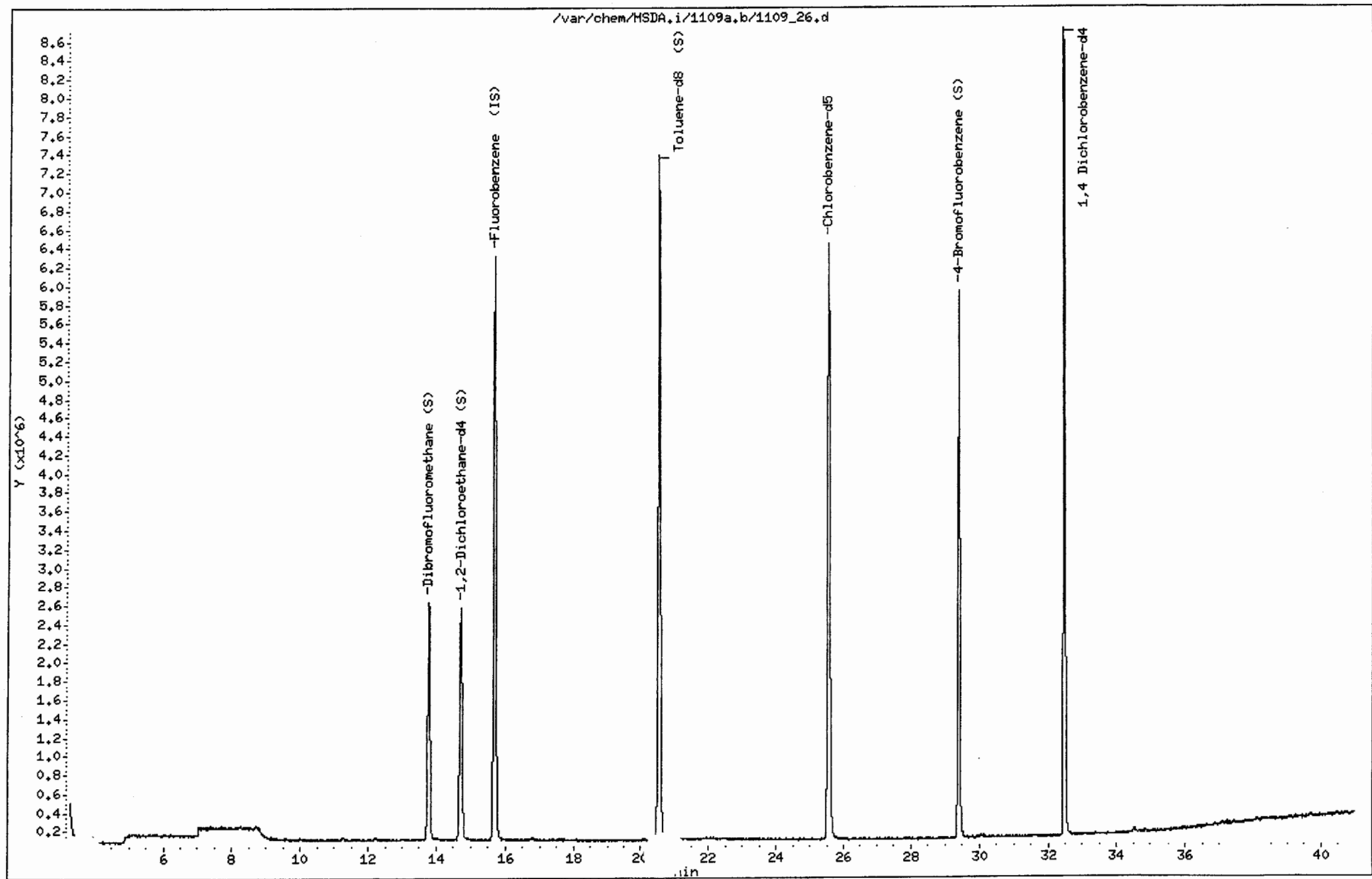
Client Name: Client SDG: 1109a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-9
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1109a.b/8260.m
Misc Info: 0;1;15;;15;;V000160MSA

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	22.8	113.84	70-130
\$ 33 1,2-Dichloroethane	20.0	22.4	111.88	70-130
\$ 45 Toluene-d8 (S)	20.0	23.8	119.07	70-130
\$ 65 4-Bromofluorobenze	20.0	23.5	117.59	70-130

03

Data File: /var/chem/HSDA.i/1109a,b/1109_26.d
Date : 10-NOV-2000 04:51
Client ID:
Sample Info: A100792-9
Purge Volume: 15.0
Column phase: DB-624

Instrument: MSDA.i
Operator: DB
Column diameter: 0.32



Data File: /var/chem/MSDA.i/1109a.b/1109_27.d
 Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1109a.b/1109_27.d
 Lab Smp Id: A100792-10
 Inj Date : 10-NOV-2000 05:37
 Operator : DB
 Smp Info : A100792-10
 Misc Info : 0;1;15;;15;;V000160MSA
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1109a.b/8260.m
 Meth Date : 13-Nov-2000 07:56 dvb
 Cal Date : 06-NOV-2000 22:35
 Als bottle: 27
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1106_08.d
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

d Variable Local Compound Variable

DB
11/13/00

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN (ug/L)	FINAL (ug/L)	
\$ 29 Dibromofluoromethane (S)	113	13.775	13.740	(0.878)	4128972	22.4845	22.5	9233
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.721	14.688	(0.938)	5312521	22.0102	22.0	9423
* 37 Fluorobenzene (IS)	96	15.687	15.645	(1.000)	14673403	20.0000		9604
\$ 45 Toluene-d8 (S)	98	20.563	20.508	(1.311)	14227020	23.7534	23.8	9593
* 56 Chlorobenzene-d5	117	25.566	25.530	(1.000)	11014368	20.0000		9347
\$ 65 4-Bromofluorobenzene (S)	95	29.410	29.370	(0.905)	5611822	23.2428	23.2	8791
* 79 1,4 Dichlorobenzene-d4	152	32.487	32.453	(1.000)	4865183	20.0000		8922

Data File: /var/chem/MSDA.i/1109a.b/1109_27.d
Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSDA.i
Lab File ID: 1109 27.d
Lab Smp Id: A100792-10
Analysis Type: VOA
Quant Type: ISTD
Operator: DB
Method File: /var/chem/MSDA.i/1109a.b/8260.m
Misc Info: 0;1;15;;15;;V000160MSA

Calibration Date: 10-NOV-2000
Calibration Time: 00:07

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14817501	7408750	29635002	14673403	-0.97
56 Chlorobenzene-d5	11421946	5710973	22843892	11014368	-3.57
79 1,4 Dichlorobenze	5457572	2728786	10915144	4865183	-10.85

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.68	15.18	16.18	15.69	0.05
56 Chlorobenzene-d5	25.56	25.06	26.06	25.57	0.02
9 1,4 Dichlorobenze	32.48	31.98	32.98	32.49	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

DB

Data File: /var/chem/MSDA.i/1109a.b/1109_27.d
Report Date: 13-Nov-2000 07:58

Caltest Analytical Laboratory

RECOVERY REPORT

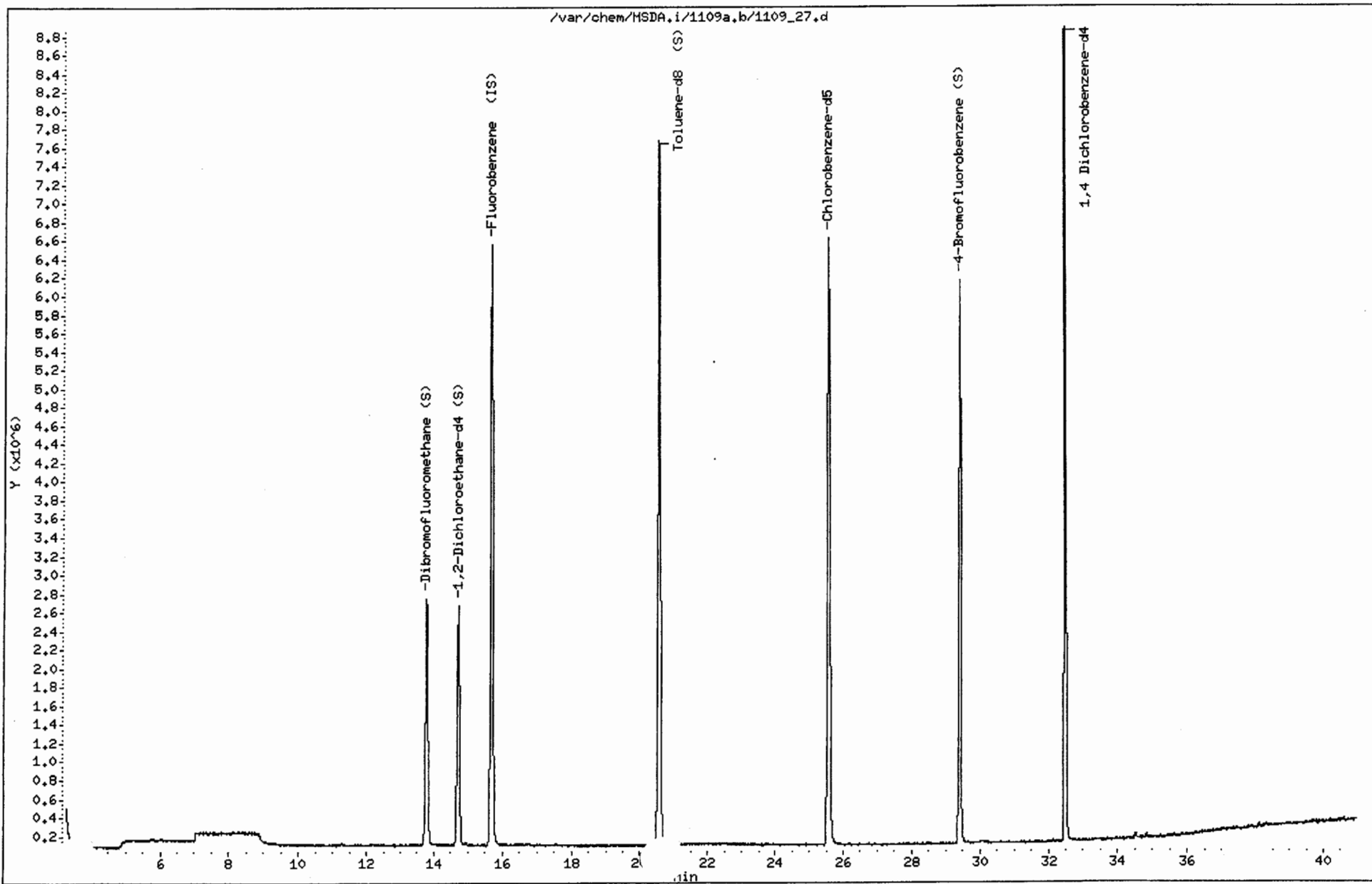
Client Name: Client SDG: 1109a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-10
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1109a.b/8260.m
Misc Info: 0;1;15;;15;;V000160MSA

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	22.5	112.42	70-130
\$ 33 1,2-Dichloroethane	20.0	22.0	110.05	70-130
\$ 45 Toluene-d8 (S)	20.0	23.8	118.77	70-130
\$ 65 4-Bromofluorobenze	20.0	23.2	116.21	70-130 ✓

DB

Data File: /var/chem/HSDA,i/1109a,b/1109_27.d
Date : 10-NOV-2000 05:37
Client ID:
Sample Info: A100792-10
Purge Volume: 15.0
Column phase: DB-624

Instrument: MSDA.i
Operator: DB
Column diameter: 0.32



Data File: /var/chem/MSDA.i/1109a.b/1109_29.d
 Report Date: 13-Nov-2000 07:54

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1109a.b/1109_29.d
 Lab Smp Id: A100792-8-S2
 Inj Date : 10-NOV-2000 07:11
 Operator : DB
 Smp Info : A100792-8-S2
 Misc Info : 0;1;15;;15;;V000160MSA
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1109a.b/8260.m
 Meth Date : 13-Nov-2000 07:49 dvb
 Cal Date : 06-NOV-2000 22:35
 Als bottle: 29
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i

Quant Type: ISTD
 Cal File: 1106_08.d

Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

d Variable

Local Compound Variable

OB
11/13/00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN (ug/L)	FINAL (ug/L)	
1 Dichlorodifluoromethane	85	4.436	4.418	(0.283)	2311670	22.8820	22.9	9643
2 Chloromethane (**SPCC**)	50	4.904	4.897	(0.313)	2114844	18.8782	18.9	9634
3 Vinyl Chloride (*CCC*)	62	5.187	5.170	(0.331)	2569217	19.5544	19.6	9754
4 Bromomethane	94	6.016	5.999	(0.383)	1561582	18.7632	18.8	9565
5 Chloroethane	64	6.270	6.245	(0.400)	1067091	17.4859	17.5	9543
6 Trichlorofluoromethane	101	6.910	6.895	(0.440)	5841599	22.2955	22.3	9577
7 Acrolein	56	7.878	7.844	(0.502)	339800	40.1291	40.1	9059
8 Dichlorotrifluoroethane (F123)	83	7.721	7.706	(0.492)	3207151	21.5540	21.6	9251
9 Trichlorotrifluoroethane (F113)	101	8.143	8.119	(0.519)	2914188	22.0219	22.0	7009
10 Acetone	43	8.241	8.217	(0.525)	1030200	36.4391	36.4	9476
11 1,1-Dichloroethene(*CCC*)	96	8.152	8.128	(0.520)	2596919	20.9844	21.0	7900
12 Iodomethane	142	8.535	8.501	(0.544)	6395475	43.0564	43.0	9488
13 Carbon Disulfide	76	8.721	8.688	(0.556)	15312222	49.9243	49.9	9468
14 Methylene Chloride	84	9.297	9.266	(0.593)	3055943	16.8242	16.8	9551
15 TBA	59	9.551	9.520	(0.609)	19057699	1825.48	1820	9537
16 Acrylonitrile	53	9.854	9.842	(0.628)	1861721	70.9880	71.0	9650

Compounds	QUANT SIG				CONCENTRATIONS			SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)	
=====	=====	==	=====	=====	=====	=====	=====	=====
17 MTBE	73	9.990	9.960	(0.637)	7716106	17.7952	17.8	6481
18 trans-1,2-Dichloroethene	96	9.990	9.960	(0.637)	3389084	20.2713	20.3	8758
19 1,1-Dichloroethane (**SPCC**)	63	11.024	10.995	(0.703)	6786233	20.2116	20.2	9627
20 DIPE	100	11.034	10.995	(0.703)	228236	37.6868	37.7	9681
21 Vinyl acetate	43	11.190	11.152	(0.713)	10394463	26.9970	27.0	8983
22 1,4-DIOXANE	88	11.200	11.161	(0.714)	268407	94.7573	94.8	9605
23 2-Butanone (MEK)	43	11.190	11.152	(0.713)	10394463	26.8005	26.8	3263
24 ETBE	87	12.127	12.099	(0.773)	3768011	18.1354	18.1	9597
25 2,2-Dichloropropane	77	12.527	12.490	(0.798)	3898004	17.3368	17.3	8032
26 cis 1,2-Dichloroethene	96	12.517	12.480	(0.798)	3639809	19.9314	19.9	8825
27 Bromochloromethane	128	13.151	13.125	(0.838)	1623824	18.9812	19.0	9298
28 Chloroform (*CCC*)	83	13.347	13.310	(0.851)	7063994	19.4637	19.5	9537
\$ 29 Dibromofluoromethane (S)	113	13.776	13.740	(0.878)	4215747	22.7419	22.7	9233
30 1,1,1-Trichloroethane	97	13.893	13.858	(0.886)	6093387	20.5986	20.6	9402
31 1,1-Dichloropropene	75	14.342	14.317	(0.914)	5054648	20.4943	20.5	9351
32 Carbon Tetrachloride	117	14.372	14.346	(0.916)	5008476	21.5902	21.6	6689
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.713	14.688	(0.938)	5313850	21.8094	21.8	9491
34 Benzene	78	14.928	14.883	(0.951)	12954001	20.4557	20.4	8147
35 1,2-Dichloroethane	62	14.928	14.883	(0.951)	5481904	18.8990	18.9	8873
36 TAME	73	15.211	15.176	(0.970)	8311489	17.7974	17.8	9519
* 37 Fluorobenzene (IS)	96	15.689	15.645	(1.000)	14812214	20.0000		9511
38 Trichloroethene	95	16.772	16.729	(1.069)	4233426	22.3756	22.4	9268
39 1,2-Dichloropropane(*CCC*)	63	17.426	17.394	(1.111)	3244282	19.5601	19.6	9397
40 Dibromomethane	93	17.777	17.745	(1.133)	1724301	18.4380	18.4	8789
41 Bromodichloromethane	83	18.245	18.204	(1.163)	4933447	19.1396	19.1	9523
cis-1,3-Dichloropropene	75	19.660	19.620	(1.253)	4716754	17.3901	17.4	9406
+ 4-Methyl-2-pentanone (MIBK)	43	20.128	20.079	(1.283)	2738955	35.5634	35.6	9273
\$ 45 Toluene-d8 (S)	98	20.557	20.508	(1.310)	14162334	23.4238	23.4	9598
46 Toluene (*CCC*)	92	20.782	20.743	(0.813)	8344764	19.4784	19.5	9562
47 trans-1,3-Dichloropropene	75	21.474	21.426	(0.840)	3913121	18.0231	18.0	9419
48 1,1,2-Trichloroethane	83	22.099	22.062	(0.864)	1859026	18.8936	18.9	8641
49 Tetrachloroethene	166	22.666	22.629	(0.887)	2949476	20.4070	20.4	9111
50 1,3-Dichloropropane	76	22.676	22.638	(0.887)	4084473	18.3663	18.4	9008
M 51 Total Xylenes	106				17938704	61.7148	61.7	0
52 2-Hexanone	43	22.949	22.902	(0.898)	1768967	37.1962	37.2	9685
53 Dibromochloromethane	129	23.486	23.430	(0.919)	2860630	18.6806	18.7	9433
54 1,2-Dibromoethane	107	23.886	23.860	(0.934)	2184156	18.3363	18.3	9677
M 55 Total Trihalomethanes	100				15940187	74.7067	74.7	0
* 56 Chlorobenzene-d5	117	25.565	25.530	(1.000)	11223592	20.0000		9380
57 Chlorobenzene (**SPCC**)	112	25.672	25.638	(1.004)	9352392	20.0880	20.1	9520
58 1,1,1,2-Tetrachloroethane	131	25.965	25.921	(1.016)	3378194	19.5539	19.6	9336
59 Ethylbenzene (*CCC*)	91	26.083	26.038	(1.020)	16679644	21.4165	21.4	9642
60 m+p-Xylenes	106	26.502	26.458	(1.037)	11929971	41.7771	41.8	9714
61 o-Xylene	106	27.820	27.787	(1.088)	6008733	19.9377	19.9	9567
62 Styrene	104	27.859	27.826	(1.090)	1708865	3.45722	3.4572	6463
63 Bromoform (**SPCC**)	173	28.425	28.373	(1.112)	1082115	17.4227	17.4	8401
64 Isopropylbenzene	105	28.972	28.930	(1.133)	16167716	21.1416	21.1	9718

Data File: /var/chem/MSDA.i/1109a.b/1109_29.d
 Report Date: 13-Nov-2000 07:54

Compounds	QUANT SIG				RESPONSE	CONCENTRATIONS		SIMILARITY
	MASS	RT	EXP RT	REL RT		ON-COLUMN (ug/L)	FINAL (ug/L)	
\$ 65 4-Bromofluorobenzene (S)	95	29.412	29.370	(0.905)	5874938	23.0189	23.0	8833
66 1,1,2,2-TetrachloroethaneSPCC	83	29.803	29.771	(0.917)	2327775	18.3221	18.3	5880
67 Bromobenzene	156	29.842	29.801	(0.919)	3402290	19.0779	19.1	9135
68 1,2,3-Trichloropropane	110	29.920	29.889	(0.921)	718040	17.7273	17.7	8071(Q)
69 n-Propylbenzene	91	30.145	30.114	(0.928)	19633354	21.1927	21.2	9601
70 2-Chlorotoluene	126	30.390	30.359	(0.936)	3786722	20.6528	20.6	9272
71 1,3,5-Trimethylbenzene	105	30.634	30.603	(0.943)	12919098	20.6725	20.7	9600
72 4-Chlorotoluene	126	30.674	30.643	(0.944)	3755933	20.4847	20.5	9167
73 tert-Butylbenzene	119	31.495	31.464	(0.970)	11831605	21.5699	21.6	8586
74 1,2,4-Trimethylbenzene	105	31.612	31.592	(0.973)	13122387	19.9466	19.9	9662
75 sec-Butylbenzene	105	32.052	32.022	(0.987)	17194728	22.6700	22.7	9700
76 bis(2Chloroethyl)Ether	93	32.082	32.051	(2.045)	461092	84.6470	84.6	9602
77 1,3-Dichlorobenzene	146	32.326	32.296	(0.995)	7025738	19.7471	19.7	9046
78 4-Isopropyltoluene	119	32.404	32.384	(0.998)	14146196	20.9356	20.9	9552
* 79 1,4-Dichlorobenzene-d4	152	32.483	32.453	(1.000)	5142825	20.0000		9067
80 1,4-Dichlorobenzene	146	32.542	32.512	(1.002)	6881910	19.5255	19.5	9176
81 n-Butylbenzene	91	33.383	33.354	(1.028)	14708030	23.4223	23.4	9574
82 1,2-Dichlorobenzene	146	33.432	33.413	(1.029)	6511906	20.4814	20.5	9186
83 1,2-Dibromo-3-chloropropane	157	35.156	35.128	(1.082)	351212	17.6975	17.7	8938
84 1,2,4-Trichlorobenzene	180	36.892	36.866	(1.136)	3120263	20.5284	20.5	8818
85 Hexachlorobutadiene	225	37.227	37.210	(1.146)	1061864	21.3840	21.4	7543
86 Napthalene	128	37.384	37.367	(1.151)	7669476	20.9367	20.9	9501
87 1,2,3-Trichlorobenzene	180	37.895	37.868	(1.167)	2518757	19.7612	19.8	8712

Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /var/chem/MSDA.i/1109a.b/1109_29.d
Report Date: 13-Nov-2000 07:54

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSDA.i
Lab File ID: 1109_29.d
Lab Smp Id: A100792-8-S2
Analysis Type: VOA
Quant Type: ISTD
Operator: DB

Calibration Date: 10-NOV-2000
Calibration Time: 00:07

Level: LOW
Sample Type: WATER

Method File: /var/chem/MSDA.i/1109a.b/8260.m
Misc Info: 0;1;15;;15;;V000160MSA

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14817501	7408750	29635002	14812214	-0.04
56 Chlorobenzene-d5	11421946	5710973	22843892	11223592	-1.74
79 1,4 Dichlorobenze	5457572	2728786	10915144	5142825	-5.77

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.68	15.18	16.18	15.69	0.07
56 Chlorobenzene-d5	25.56	25.06	26.06	25.56	0.01
) 1,4 Dichlorobenze	32.48	31.98	32.98	32.48	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

D13

Data File: /var/chem/MSDA.i/1109a.b/1109_29.d
Report Date: 13-Nov-2000 07:54

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1109a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-8-S2
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1109a.b/8260.m
Misc Info: 0;1;15;;15;;V000160MSA

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	22.7	113.71	70-130
\$ 33 1,2-Dichloroethane	20.0	21.8	109.05	70-130
\$ 45 Toluene-d8 (S)	20.0	23.4	117.12	70-130
\$ 65 4-Bromofluorobenze	20.0	23.0	115.09	70-130 ✓

DB

Data File: /var/chem/HSDA,i/1109a,b/1109_29.d

Date: 10-NOV-2000 07:11

Client ID:

Sample Info: A100792-8-S2

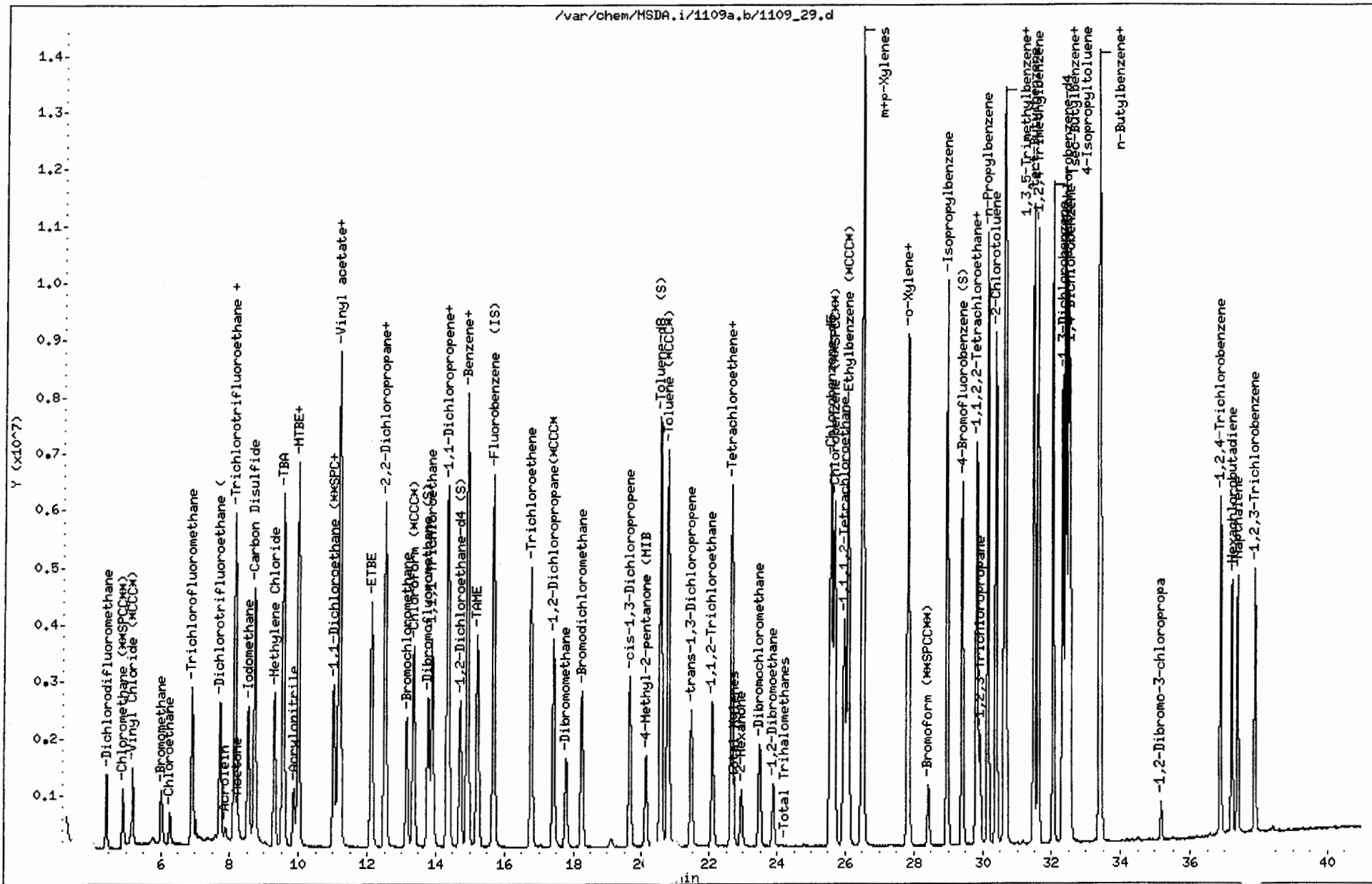
Purge Volume: 15.0

Column phase: DB-624

Instrument: HSDA.i

Operator: DB

Column diameter: 0.32



00220

Data File: /var/chem/MSDA.i/1109a.b/1109_30.d
 Report Date: 13-Nov-2000 07:54

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1109a.b/1109_30.d
 Lab Smp Id: A100792-10-S1
 Inj Date : 10-NOV-2000 07:58
 Operator : DB
 Smp Info : A100792-10-S1
 Misc Info : 0;1;15;;15;;V000160MSA
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1109a.b/8260.m
 Meth Date : 13-Nov-2000 07:49 dvb
 Cal Date : 06-NOV-2000 22:35
 Als bottle: 30
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1106_08.d
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

DB
11/13/00

(i Variable Local Compound Variable

Compounds	QUANT SIG MASS =====	RT ==	EXP RT	REL RT	RESPONSE =====	CONCENTRATIONS		SIMILARITY =====
						ON-COLUMN (ug/L)	FINAL (ug/L)	
1 Dichlorodifluoromethane	85	4.427	4.418	(0.282)	2577968	25.1800	25.2	9787
2 Chloromethane (**SPCC**)	50	4.896	4.897	(0.312)	2698395	23.7683	23.8	9742
3 Vinyl Chloride (*CCC*)	62	5.178	5.170	(0.330)	3158410	23.7204	23.7	9800
4 Bromomethane	94	6.017	5.999	(0.384)	1648994	19.5511	19.6	9701
5 Chloroethane	64	6.271	6.245	(0.400)	1224503	19.7996	19.8	9328
6 Trichlorofluoromethane	101	6.902	6.895	(0.440)	5851931	22.0391	22.0	9643
7 Acrolein	56	7.870	7.844	(0.502)	406197	47.3351	47.3	8883
8 Dichlorotrifluoroethane (F123)	83	7.713	7.706	(0.492)	3204313	21.2498	21.2	9230
9 Trichlorotrifluoroethane (F113)	101	8.145	8.119	(0.519)	2898207	21.6110	21.6	6931
10 Acetone	43	8.233	8.217	(0.525)	1008331	35.1932	35.2	9629
11 1,1-Dichloroethene(*CCC*)	96	8.145	8.128	(0.519)	2565002	20.4520	20.4	7899
12 Iodomethane	142	8.527	8.501	(0.544)	6486554	43.0913	43.1	9458
13 Carbon Disulfide	76	8.714	8.688	(0.556)	15085301	48.5331	48.5	9431
14 Methylene Chloride	84	9.300	9.266	(0.593)	3119611	16.9472	16.9	9622
15 TBA	59	9.554	9.520	(0.609)	19379077	1831.68	1830	9570
16 Acrylonitrile	53	9.856	9.842	(0.628)	1959604	73.7307	73.7	9787

Compounds	QUANT SIG				CONCENTRATIONS			SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)	
17 MTBE	73	9.983	9.960	(0.637)	7805871	17.7638	17.8	6393
18 trans-1,2-Dichloroethene	96	9.983	9.960	(0.637)	3402895	20.0843	20.1	8695
19 1,1-Dichloroethane (**SPCC**)	63	11.018	10.995	(0.702)	6816999	20.0344	20.0	9731
20 DIPE	100	11.027	10.995	(0.703)	233957	38.1197	38.1	9686
21 Vinyl acetate	43	11.184	11.152	(0.713)	12511808	32.0659	32.1	8981
22 1,4-DIOXANE	88	11.184	11.161	(0.713)	253407	88.2769	88.3	9663
23 2-Butanone (MEK)	43	11.184	11.152	(0.713)	12511808	31.8325	31.8	3309
24 ETBE	87	12.120	12.099	(0.773)	3843601	18.2542	18.2	9628
25 2,2-Dichloropropane	77	12.520	12.490	(0.798)	3902522	17.1270	17.1	8098
26 cis 1,2-Dichloroethene	96	12.511	12.480	(0.798)	3605035	19.4795	19.5	8806
27 Bromochloromethane	128	13.145	13.125	(0.838)	1639155	18.9066	18.9	9277
28 Chloroform (*CCC*)	83	13.340	13.310	(0.851)	7017279	19.0789	19.1	9595
\$ 29 Dibromofluoromethane (S)	113	13.770	13.740	(0.878)	4188066	22.2933	22.3	9222
30 1,1,1-Trichloroethane	97	13.887	13.858	(0.885)	6092752	20.3237	20.3	9432
31 1,1-Dichloropropene	75	14.336	14.317	(0.914)	5122576	20.4947	20.5	9348
32 Carbon Tetrachloride	117	14.365	14.346	(0.916)	5061265	21.5288	21.5	6859
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.707	14.688	(0.938)	5314828	21.5245	21.5	9505
34 Benzene	78	14.912	14.883	(0.951)	13070806	20.3668	20.4	8303
35 1,2-Dichloroethane	62	14.922	14.883	(0.951)	5470139	18.6087	18.6	8907
36 TAME	73	15.205	15.176	(0.970)	8521532	18.0055	18.0	9530
* 37 Fluorobenzene (IS)	96	15.683	15.645	(1.000)	15011017	20.0000		9601
38 Trichloroethene	95	16.767	16.729	(1.069)	3856990	20.1159	20.1	9224
39 1,2-Dichloropropane(*CCC*)	63	17.411	17.394	(1.110)	3276615	19.4934	19.5	9397
40 Dibromomethane	93	17.772	17.745	(1.133)	1736673	18.3243	18.3	8832
41 Bromodichloromethane	83	18.241	18.204	(1.163)	4960667	18.9904	19.0	9589
42 cis-1,3-Dichloropropene	75	19.646	19.620	(1.253)	4874072	17.7321	17.7	9507
\$ 44 4-Methyl-2-pentanone (MIBK)	43	20.124	20.079	(1.283)	2778409	35.5979	35.6	9385
\$ 45 Toluene-d8 (S)	98	20.553	20.508	(1.310)	14396562	23.4958	23.5	9631
46 Toluene (*CCC*)	92	20.768	20.743	(0.813)	8395437	19.2125	19.2	9533
47 trans-1,3-Dichloropropene	75	21.461	21.426	(0.840)	3987119	18.0040	18.0	9419
48 1,1,2-Trichloroethane	83	22.086	22.062	(0.864)	1900305	18.9346	18.9	8666
49 Tetrachloroethene	166	22.652	22.629	(0.886)	2969519	20.1429	20.1	9065
50 1,3-Dichloropropane	76	22.662	22.638	(0.887)	4270247	18.8253	18.8	8960
M 51 Total Xylenes	106				18297143	61.7094	61.7	0
52 2-Hexanone	43	22.945	22.902	(0.898)	1853003	38.1995	38.2	9711
53 Dibromochloromethane	129	23.473	23.430	(0.919)	2903291	18.5876	18.6	9410
54 1,2-Dibromoethane	107	23.883	23.860	(0.935)	2250848	18.5258	18.5	9663
M 55 Total Trihalomethanes	100				16005461	74.4027	74.4	0
* 56 Chlorobenzene-d5	117	25.552	25.530	(1.000)	11447983	20.0000		9375
57 Chlorobenzene (**SPCC**)	112	25.669	25.638	(1.005)	9459187	19.9191	19.9	9494
58 1,1,1,2-Tetrachloroethane	131	25.953	25.921	(1.016)	3437082	19.5048	19.5	9360
59 Ethylbenzene (*CCC*)	91	26.070	26.038	(1.020)	16811840	21.1631	21.2	9710
60 m+p-Xylenes	106	26.490	26.458	(1.037)	12141954	41.6860	41.7	9719
61 o-Xylene	106	27.818	27.787	(1.089)	6155189	20.0234	20.0	8019
62 Styrene	104	27.857	27.826	(1.090)	9873289	19.5832	19.6	9698
63 Bromoform (**SPCC**)	173	28.414	28.373	(1.112)	1124222	17.7459	17.7	8496
64 Isopropylbenzene	105	28.961	28.930	(1.133)	16614991	21.3006	21.3	9715

Data File: /var/chem/MSDA.i/1109a.b/1109_30.d
 Report Date: 13-Nov-2000 07:54

Compounds	QUANT SIG		CONCENTRATIONS					SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)	
\$ 65 4-Bromofluorobenzene (S)	95	29.401	29.370	(0.905)	6164640	22.4567	22.4	8845
66 1,1,2,2-TetrachloroethaneSPCC	83	29.802	29.771	(0.918)	2438169	17.8425	17.8	5026
67 Bromobenzene	156	29.831	29.801	(0.919)	3462897	18.0533	18.0	9110
68 1,2,3-Trichloropropane	110	29.919	29.889	(0.921)	753235	17.2895	17.3	8044
69 n-Propylbenzene	91	30.144	30.114	(0.928)	20418627	20.4916	20.5	9669
70 2-Chlorotoluene	126	30.379	30.359	(0.936)	3926919	19.9124	19.9	9306
71 1,3,5-Trimethylbenzene	105	30.624	30.603	(0.943)	13491416	20.0713	20.1	9656
72 4-Chlorotoluene	126	30.672	30.643	(0.945)	3945584	20.0069	20.0	9575
73 tert-Butylbenzene	119	31.484	31.464	(0.970)	12380048	20.9838	21.0	8720
74 1,2,4-Trimethylbenzene	105	31.612	31.592	(0.973)	13906230	19.6527	19.6	9743
75 sec-Butylbenzene	105	32.042	32.022	(0.987)	18036320	22.1087	22.1	9753
76 bis(2Chloroethyl)Ether	93	32.081	32.051	(2.046)	496836	90.0010	90.0	9403
77 1,3-Dichlorobenzene	146	32.316	32.296	(0.995)	7426242	19.4061	19.4	9178
78 4-Isopropyltoluene	119	32.404	32.384	(0.998)	14677418	20.1954	20.2	9606
* 79 1,4 Dichlorobenzene-d4	152	32.473	32.453	(1.000)	5531516	20.0000		9059
80 1,4-Dichlorobenzene	146	32.316	32.512	(0.995)	7427310	19.5922	19.6	9287
81 n-Butylbenzene	91	33.373	33.354	(1.028)	14712369	21.7829	21.8	9628
82 1,2-Dichlorobenzene	146	33.422	33.413	(1.029)	6523021	19.0747	19.1	9118
83 1,2-Dibromo-3-chloropropane	157	35.147	35.128	(1.082)	362828	16.9981	17.0	8881
84 1,2,4-Trichlorobenzene	180	36.884	36.866	(1.136)	3082259	18.8535	18.8	8809
85 Hexachlorobutadiene	225	37.218	37.210	(1.146)	1053811	19.7306	19.7	7530
86 Napthalene	128	37.385	37.367	(1.151)	7705351	19.5566	19.6	9551
87 1,2,3-Trichlorobenzene	180	37.886	37.868	(1.167)	2586405	18.8661	18.9	8796

Data File: /var/chem/MSDA.i/1109a.b/1109_30.d
 Report Date: 13-Nov-2000 07:54

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1109_30.d
 Lab Smp Id: A100792-10-S1
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB

Calibration Date: 10-NOV-2000
 Calibration Time: 00:07

Level: LOW
 Sample Type: WATER

Method File: /var/chem/MSDA.i/1109a.b/8260.m
 Misc Info: 0;1;15;;15;;V000160MSA

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14817501	7408750	29635002	15011017	1.31
56 Chlorobenzene-d5	11421946	5710973	22843892	11447983	0.23
79 1,4 Dichlorobenze	5457572	2728786	10915144	5531516	1.35

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.68	15.18	16.18	15.68	0.03
56 Chlorobenzene-d5	25.56	25.06	26.06	25.55	-0.04
9 1,4 Dichlorobenze	32.48	31.98	32.98	32.47	-0.03

DB

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA.i/1109a.b/1109_30.d
Report Date: 13-Nov-2000 07:54

Caltest Analytical Laboratory

RECOVERY REPORT

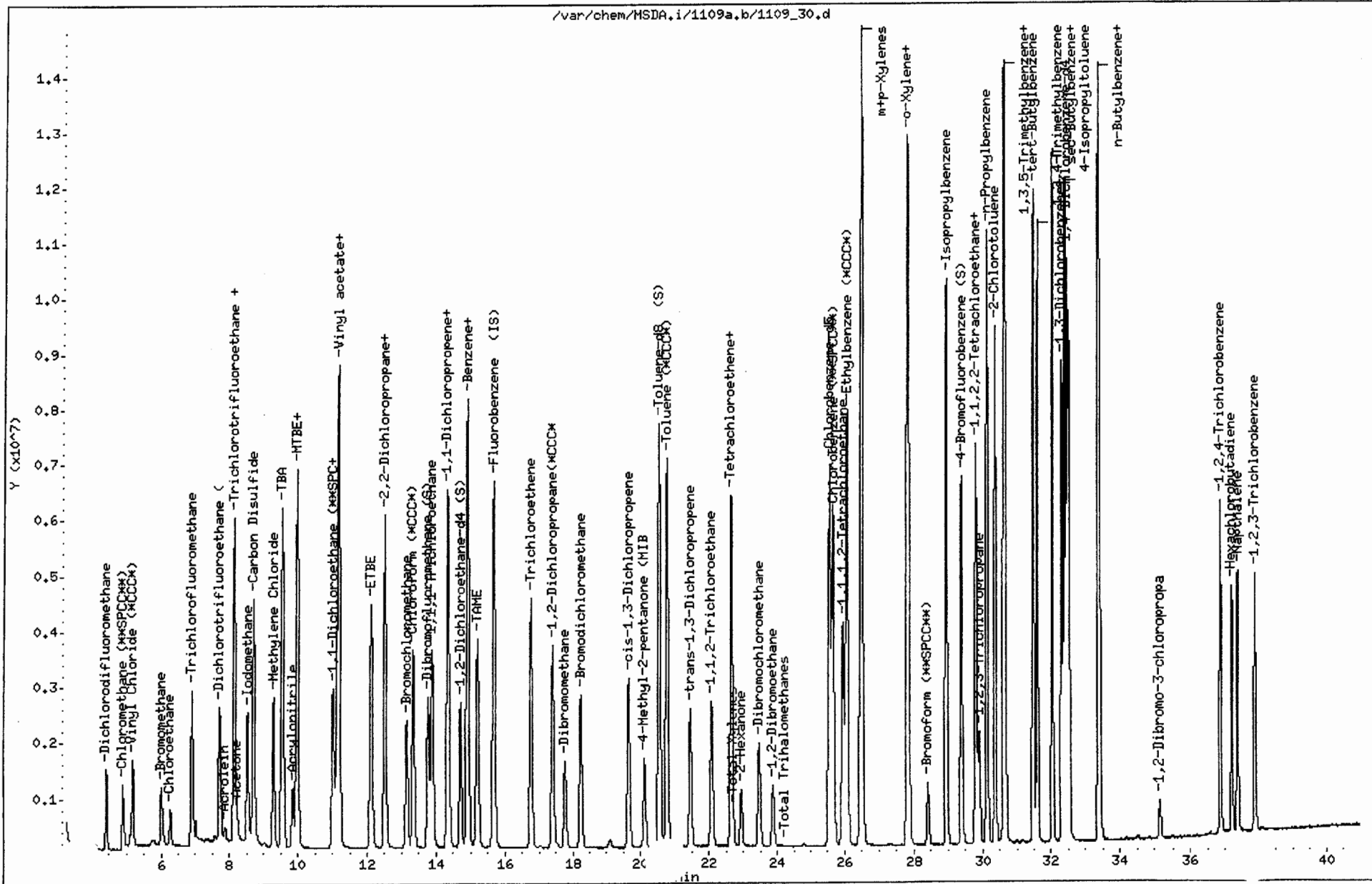
Client Name: Client SDG: 1109a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-10-S1
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1109a.b/8260.m
Misc Info: 0;1;15;;15;;V000160MSA

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	22.3	111.47	70-130
\$ 33 1,2-Dichloroethane	20.0	21.5	107.62	70-130
\$ 45 Toluene-d8 (S)	20.0	23.5	117.48	70-130 ✓
\$ 65 4-Bromofluorobenze	20.0	22.4	112.28	70-130

DB

Data File: /var/chem/MSDA.i/1109a,b/1109_30.d
 Date: 10-NOV-2000 07:58
 Client ID:
 Sample Info: A100792-10-S1
 Purge Volume: 15.0
 Column phase: DB-624

Instrument: MSDA.i
 Operator: DB
 Column diameter: 0.32



Data File: /var/chem/MSDA.i/1109a.b/1109_31.d
 Report Date: 13-Nov-2000 07:54

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1109a.b/1109_31.d
 Lab Smp Id: A100792-10-S2
 Inj Date : 10-NOV-2000 08:46
 Operator : DB
 Smp Info : A100792-10-S2
 Misc Info : 0;1;15;;15;;V000160MSA
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1109a.b/8260.m
 Meth Date : 13-Nov-2000 07:49 dvb
 Cal Date : 06-NOV-2000 22:35
 Als bottle: 31
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1106_08.d
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

i Variable Local Compound Variable

OB
11/13/00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN (ug/L)	FINAL (ug/L)	
1 Dichlorodifluoromethane	85	4.418	4.418	(0.282)	2513346	24.6670	24.7	9739
2 Chloromethane (**SPCC**)	50	4.896	4.897	(0.312)	2627737	23.2574	23.2	9708
3 Vinyl Chloride (*CCC*)	62	5.179	5.170	(0.331)	3158721	23.8370	23.8	9840
4 Bromomethane	94	6.008	5.999	(0.383)	1685948	20.0855	20.1	9631
5 Chloroethane	64	6.263	6.245	(0.400)	1170589	19.0190	19.0	9510
6 Trichlorofluoromethane	101	6.894	6.895	(0.440)	5696096	21.5555	21.6	9657
7 Acrolein	56	7.872	7.844	(0.502)	433781	50.7930	50.8	8902
8 Dichlorotrifluoroethane (F123)	83	7.705	7.706	(0.492)	3193621	21.2808	21.3	9276
9 Trichlorotrifluoroethane (F113)	101	8.127	8.119	(0.519)	2809207	21.0483	21.0	6948
10 Acetone	43	8.225	8.217	(0.525)	1082967	37.9802	38.0	9536
11 1,1-Dichloroethene(*CCC*)	96	8.137	8.128	(0.519)	2521973	20.2058	20.2	8006
12 Iodomethane	142	8.519	8.501	(0.544)	6584576	43.9531	44.0	9494
13 Carbon Disulfide	76	8.696	8.688	(0.555)	14613580	47.2419	47.2	9501
14 Methylene Chloride	84	9.283	9.266	(0.592)	3085166	16.8408	16.8	9613
15 TBA	59	9.546	9.520	(0.609)	20796870	1975.15	1980	9536
16 Acrylonitrile	53	9.839	9.842	(0.628)	2043974	77.2755	77.3	9772

Compounds	QUANT		SIG			CONCENTRATIONS			SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)		
=====	=====	==	=====	=====	=====	=====	=====	=====	
17 MTBE	73	9.976	9.960	(0.637)	8089618	18.4982	18.5	6495	
18 trans-1,2-Dichloroethene	96	9.976	9.960	(0.637)	3369370	19.9822	20.0	8713	
19 1,1-Dichloroethane (**SPCC**)	63	11.011	10.995	(0.703)	6825861	20.1570	20.2	9697	
20 DIPE	100	11.021	10.995	(0.703)	231822	37.9537	38.0	9675	
21 Vinyl acetate	43	11.177	11.152	(0.713)	12853907	33.1013	33.1	9021	
22 1,4-DIOXANE	88	11.177	11.161	(0.713)	270055	94.5296	94.5	9656	
23 2-Butanone (MEK)	43	11.177	11.152	(0.713)	12853907	32.8603	32.9	3353	
24 ETBE	87	12.114	12.099	(0.773)	3893124	18.5785	18.6	9528	
25 2,2-Dichloropropane	77	12.514	12.490	(0.799)	3721555	16.4114	16.4	8160	
26 cis 1,2-Dichloroethene	96	12.504	12.480	(0.798)	3666114	19.9049	19.9	8821	
27 Bromochloromethane	128	13.139	13.125	(0.839)	1718071	19.9123	19.9	9331	
28 Chloroform (*CCC*)	83	13.334	13.310	(0.851)	7056142	19.2770	19.3	9502	
\$ 29 Dibromofluoroethane (S)	113	13.764	13.740	(0.878)	4304571	23.0239	23.0	9239	
30 1,1,1-Trichloroethane	97	13.872	13.858	(0.885)	6017833	20.1705	20.2	9448	
31 1,1-Dichloropropene	75	14.331	14.317	(0.915)	5032830	20.2326	20.2	9410	
32 Carbon Tetrachloride	117	14.360	14.346	(0.916)	4898075	20.9350	20.9	7019	
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.702	14.688	(0.938)	5402212	21.9838	22.0	9511	
34 Benzene	78	14.907	14.883	(0.951)	13033328	20.4062	20.4	8253	
35 1,2-Dichloroethane	62	14.917	14.883	(0.952)	5597781	19.1346	19.1	8876	
36 TAME	73	15.200	15.176	(0.970)	8753408	18.5845	18.6	9617	
* 37 Fluorobenzene (IS)	96	15.669	15.645	(1.000)	14939072	20.0000		9590	
38 Trichloroethene	95	16.762	16.729	(1.070)	3887550	20.3730	20.4	9231	
39 1,2-Dichloropropane(*CCC*)	63	17.397	17.394	(1.110)	3341152	19.9731	20.0	9385	
40 Dibromomethane	93	17.758	17.745	(1.133)	1789696	18.9747	19.0	8825	
'1 Bromodichloromethane	83	18.227	18.204	(1.163)	5029010	19.3447	19.3	9554	
cis-1,3-Dichloropropene	75	19.642	19.620	(1.254)	4885883	17.8607	17.9	9440	
44 4-Methyl-2-pentanone (MIBK)	43	20.101	20.079	(1.283)	2938855	37.8349	37.8	9461	
\$ 45 Toluene-d8 (S)	98	20.540	20.508	(1.311)	14465795	23.7225	23.7	9605	
46 Toluene (*CCC*)	92	20.765	20.743	(0.813)	8395765	19.2211	19.2	9585	
47 trans-1,3-Dichloropropene	75	21.448	21.426	(0.839)	3999027	18.0651	18.1	9468	
48 1,1,2-Trichloroethane	83	22.083	22.062	(0.864)	1925009	19.1886	19.2	8654	
49 Tetrachloroethene	166	22.649	22.629	(0.886)	2939336	19.9463	19.9	8950	
50 1,3-Dichloropropane	76	22.659	22.638	(0.887)	4278008	18.8672	18.9	8958	
M 51 Total Xylenes	106				18104725	61.0876	61.1	0	
52 2-Hexanone	43	22.933	22.902	(0.898)	1925081	39.7016	39.7	9658	
53 Dibromochloromethane	129	23.460	23.430	(0.918)	2966205	18.9981	19.0	9332	
54 1,2-Dibromoethane	107	23.861	23.860	(0.934)	2274740	18.7301	18.7	9654	
M 55 Total Trihalomethanes	100				16179184	75.4298	75.4	0	
* 56 Chlorobenzene-d5	117	25.550	25.530	(1.000)	11443310	20.0000		9357	
57 Chlorobenzene (**SPCC**)	112	25.657	25.638	(1.004)	9469642	19.9493	19.9	9543	
58 1,1,1,2-Tetrachloroethane	131	25.950	25.921	(1.016)	3407669	19.3458	19.3	9332	
59 Ethylbenzene (*CCC*)	91	26.058	26.038	(1.020)	16703109	21.0348	21.0	9613	
60 m+p-Xylenes	106	26.478	26.458	(1.036)	12026485	41.3065	41.3	9727	
61 o-Xylene	106	27.806	27.787	(1.088)	6078240	19.7811	19.8	8489	
62 Styrene	104	27.845	27.826	(1.090)	9764218	19.3748	19.4	9395	
63 Bromoform (**SPCC**)	173	28.411	28.373	(1.112)	1127826	17.8100	17.8	8448	
64 Isopropylbenzene	105	28.949	28.930	(1.133)	16284989	20.8861	20.9	9691	

Data File: /var/chem/MSDA.i/1109a.b/1109_31.d
 Report Date: 13-Nov-2000 07:54

Compounds	QUANT SIG		CONCENTRATIONS					SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)	
=====	====	==	=====	=====	=====	=====	=====	=====
\$ 65 4-Bromofluorobenzene (S)	95	29.388	29.370	(0.905)	6107226	22.2162	22.2	8744
66 1,1,2,2-TetrachloroethaneSPCC	83	29.799	29.771	(0.918)	2557436	18.6889	18.7	5077
67 Bromobenzene	156	29.819	29.801	(0.918)	3505217	18.2482	18.2	8817
68 1,2,3-Trichloropropane	110	29.917	29.889	(0.921)	787409	18.0484	18.0	7921
69 n-Propylbenzene	91	30.142	30.114	(0.928)	20244827	20.2885	20.3	9679
70 2-Chlorotoluene	126	30.367	30.359	(0.935)	3889452	19.6946	19.7	9307
71 1,3,5-Trimethylbenzene	105	30.621	30.603	(0.943)	13333458	19.8083	19.8	9669
72 4-Chlorotoluene	126	30.670	30.643	(0.945)	3899179	19.7437	19.7	9441
73 tert-Butylbenzene	119	31.482	31.464	(0.970)	12201204	20.6514	20.6	8576
74 1,2,4-Trimethylbenzene	105	31.599	31.592	(0.973)	13842048	19.5344	19.5	9692
75 sec-Butylbenzene	105	32.040	32.022	(0.987)	17913329	21.9269	21.9	9744
76 bis(2Chloroethyl)Ether	93	32.069	32.051	(2.047)	539902	98.2732	98.3	9709
77 1,3-Dichlorobenzene	146	32.314	32.296	(0.995)	7471883	19.4978	19.5	9119
78 4-Isopropyltoluene	119	32.402	32.384	(0.998)	14653009	20.1334	20.1	9619
79 1,4 Dichlorobenzene-d4	152	32.470	32.453	(1.000)	5539336	20.0000		8962
80 1,4-Dichlorobenzene	146	32.314	32.512	(0.995)	7471883	19.6820	19.7	9232
81 n-Butylbenzene	91	33.371	33.354	(1.028)	14592756	21.5753	21.6	9610
82 1,2-Dichlorobenzene	146	33.420	33.413	(1.029)	6630021	19.3602	19.4	9146
83 1,2-Dibromo-3-chloropropane	157	35.144	35.128	(1.082)	381210	17.8341	17.8	9032
84 1,2,4-Trichlorobenzene	180	36.881	36.866	(1.136)	3186105	19.4611	19.5	8817
85 Hexachlorobutadiene	225	37.215	37.210	(1.146)	1033944	19.3313	19.3	7507
86 Napthalene	128	37.383	37.367	(1.151)	7996619	20.2672	20.3	9511
87 1,2,3-Trichlorobenzene	180	37.884	37.868	(1.167)	2635316	19.1957	19.2	8732

00229

Data File: /var/chem/MSDA.i/1109a.b/1109_31.d
Report Date: 13-Nov-2000 07:54

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSDA.i
Lab File ID: 1109_31.d
Lab Smp Id: A100792-10-S2
Analysis Type: VOA
Quant Type: ISTD
Operator: DB
Method File: /var/chem/MSDA.i/1109a.b/8260.m
Misc Info: 0;1;15;;15;;V000160MSA

Calibration Date: 10-NOV-2000
Calibration Time: 00:07

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14817501	7408750	29635002	14939072	0.82
56 Chlorobenzene-d5	11421946	5710973	22843892	11443310	0.19
79 1,4 Dichlorobenze	5457572	2728786	10915144	5539336	1.50

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.68	15.18	16.18	15.67	-0.06
56 Chlorobenzene-d5	25.56	25.06	26.06	25.55	-0.05
9 1,4 Dichlorobenze	32.48	31.98	32.98	32.47	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

03

Data File: /var/chem/MSDA.i/1109a.b/1109_31.d
Report Date: 13-Nov-2000 07:54

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1109a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-10-S2
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1109a.b/8260.m
Misc Info: 0;1;15;;15;;V000160MSA

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	23.0	115.12	70-130
\$ 33 1,2-Dichloroethane	20.0	22.0	109.92	70-130
\$ 45 Toluene-d8 (S)	20.0	23.7	118.61	70-130 ✓
\$ 65 4-Bromofluorobenze	20.0	22.2	111.08	70-130

DP

Data File: /var/chem/MSDA.i/1109a,b/1109_31.d

Date: 10-NOV-2000 08:46

Client ID:

Sample Info: A100792-10-S2

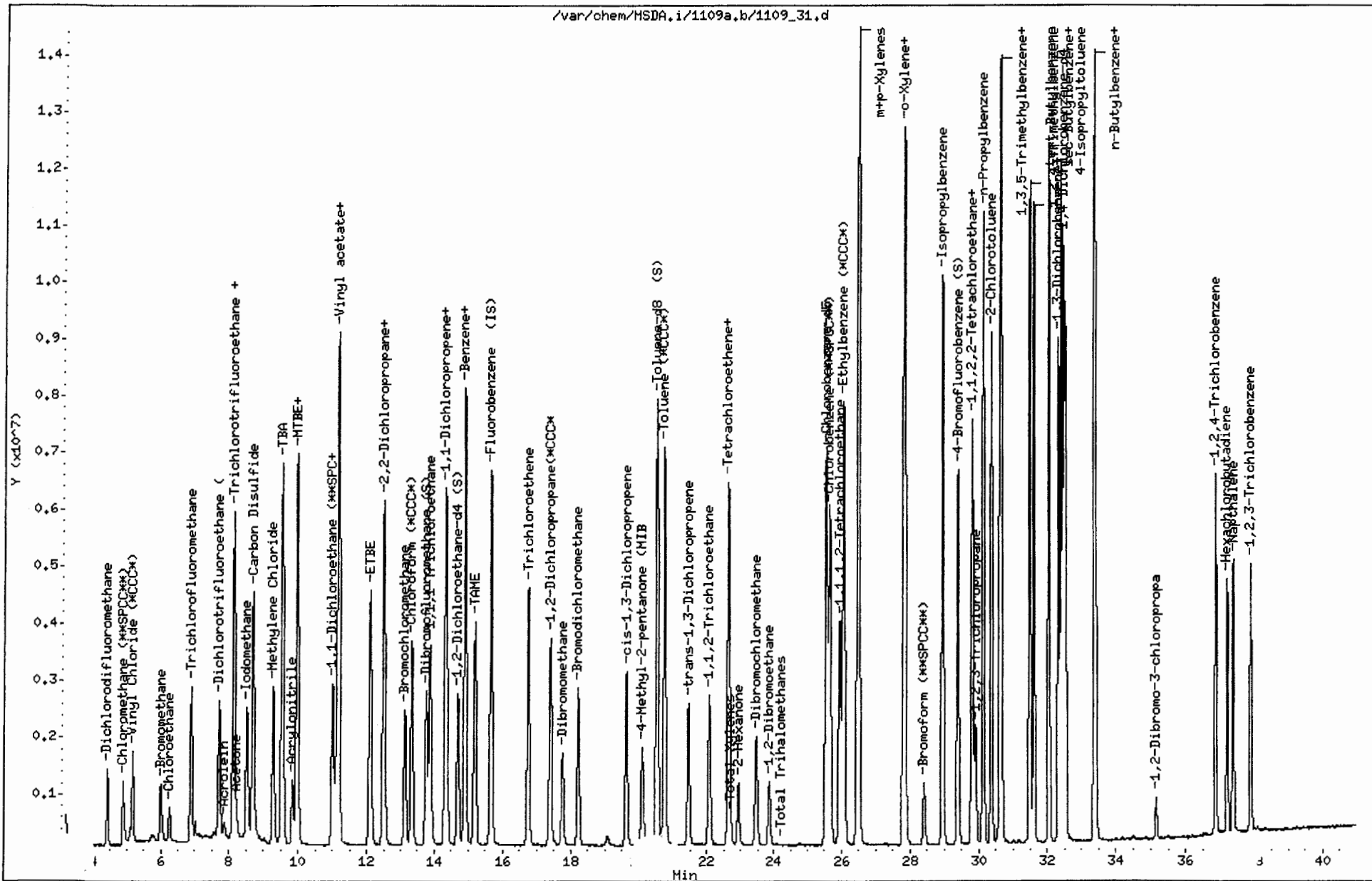
Purge Volume: 15.0

Column phase: DB-624

Instrument: MSDA.i

Operator: DB

Column diameter: 0.32



Data File: /var/chem/MSDA.i/1109a.b/1109_32.d
 Report Date: 13-Nov-2000 07:55

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1109a.b/1109_32.d
 Lab Smp Id: A100792-8-S2
 Inj Date : 10-NOV-2000 09:32
 Operator : DB
 Smp Info : A100792-8-S2
 Misc Info : 0;1;15;;15;;V000160MSA
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1109a.b/8260.m
 Meth Date : 13-Nov-2000 07:49 dvb
 Cal Date : 06-NOV-2000 22:35
 Als bottle: 32
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i

Quant Type: ISTD

Cal File: 1106_08.d

Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

DB
11/13/00

d Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN (ug/L)	FINAL (ug/L)	
1 Dichlorodifluoromethane	85	4.427	4.418	(0.282)	2877908	27.1182	27.1	9754
2 Chloromethane (**SPCC**)	50	4.896	4.897	(0.312)	2781414	23.6354	23.6	9682
3 Vinyl Chloride (*CCC*)	62	5.178	5.170	(0.330)	3328926	24.1192	24.1	9813
4 Bromomethane	94	6.008	5.999	(0.383)	1777556	20.3321	20.3	9750
5 Chloroethane	64	6.262	6.245	(0.399)	1237631	19.3061	19.3	9522
6 Trichlorofluoromethane	101	6.893	6.895	(0.440)	6497026	23.6056	23.6	9640
7 Acrolein	56	7.861	7.844	(0.501)	525844	59.1165	59.1	8817
8 Dichlorotrifluoroethane (F123)	83	7.714	7.706	(0.492)	3425588	21.9159	21.9	9289
9 Trichlorotrifluoroethane (F113)	101	8.136	8.119	(0.519)	3368203	24.2298	24.2	7075
10 Acetone	43	8.224	8.217	(0.525)	1040064	35.0204	35.0	9294
11 1,1-Dichloroethene(*CCC*)	96	8.145	8.128	(0.520)	2909276	22.3789	22.4	7872
12 Iodomethane	142	8.518	8.501	(0.543)	6845250	43.8703	43.9	9491
13 Carbon Disulfide	76	8.704	8.688	(0.555)	14891230	46.2189	46.2	9474
14 Methylene Chloride	84	9.281	9.266	(0.592)	3499799	18.3420	18.3	9607
15 TBA	59	9.545	9.520	(0.609)	19579377	1785.34	1780	9447
16 Acrylonitrile	53	9.848	9.842	(0.628)	2044304	74.2047	74.2	9817

Compounds	QUANT SIG				CONCENTRATIONS			SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)	
17 MTBE	73	9.975	9.960	(0.636)	8533845	18.7355	18.7	6324
18 trans-1,2-Dichloroethene	96	9.975	9.960	(0.636)	3853193	21.9399	21.9	8669
19 1,1-Dichloroethane (**SPCC**)	63	11.009	10.995	(0.702)	7747945	21.9672	22.0	9617
20 DIPE	100	11.019	10.995	(0.703)	255039	40.0890	40.1	9724
21 Vinyl acetate	43	11.175	11.152	(0.713)	15458818	38.2213	38.2	9038
22 1,4-DIOXANE	88	11.175	11.161	(0.713)	275134	92.4652	92.5	9630
23 2-Butanone (MEK)	43	11.175	11.152	(0.713)	15458818	37.9430	37.9	3342
24 ETBE	87	12.112	12.099	(0.773)	4231107	19.3858	19.4	9540
25 2,2-Dichloropropane	77	12.513	12.490	(0.798)	6320746	26.7615	26.8	7837
26 cis 1,2-Dichloroethene	96	12.503	12.480	(0.798)	4257287	22.1925	22.2	8645
27 Bromochloromethane	128	13.137	13.125	(0.838)	1849064	20.5755	20.6	9243
28 Chloroform (*CCC*)	83	13.333	13.310	(0.850)	7919014	20.7712	20.8	9541
\$ 29 Dibromofluoromethane (S)	113	13.762	13.740	(0.878)	4349377	22.3354	22.3	9220
30 1,1,1-Trichloroethane	97	13.880	13.858	(0.885)	6787443	21.8424	21.8	9447
31 1,1-Dichloropropene	75	14.329	14.317	(0.914)	5777412	22.2993	22.3	9384
32 Carbon Tetrachloride	117	14.358	14.346	(0.916)	5655379	23.2075	23.2	6795
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.700	14.688	(0.938)	5324448	20.8029	20.8	9404
34 Benzene	78	14.905	14.883	(0.951)	14643534	22.0126	22.0	8282
35 1,2-Dichloroethane	62	14.915	14.883	(0.951)	6090944	19.9898	20.0	8850
36 TAME	73	15.198	15.176	(0.969)	9448667	19.2603	19.3	9544
* 37 Fluorobenzene (IS)	96	15.676	15.645	(1.000)	15559816	20.0000		9603
38 Trichloroethene	95	16.760	16.729	(1.069)	18184515	91.4954	91.5	9268
39 1,2-Dichloropropane(*CCC*)	63	17.404	17.394	(1.110)	3712561	21.3080	21.3	9380
40 Dibromomethane	93	17.766	17.745	(1.133)	1941816	19.7662	19.8	8808
41 Bromodichloromethane	83	18.235	18.204	(1.163)	5608715	20.7139	20.7	9546
42 2-chloroethyl vinyl ether	63	19.133	19.132	(1.220)	57699	0.79792	0.79792	4979
43 cis-1,3-Dichloropropene	75	19.640	19.620	(1.253)	5781989	20.2933	20.3	9450
44 4-Methyl-2-pentanone (MIBK)	43	20.108	20.079	(1.283)	2868135	35.4514	35.4	9405
\$ 45 Toluene-d8 (S)	98	20.538	20.508	(1.310)	14793579	23.2922	23.3	9651
46 Toluene (*CCC*)	92	20.762	20.743	(0.812)	9587975	21.5082	21.5	9612
47 trans-1,3-Dichloropropene	75	21.455	21.426	(0.840)	4653503	20.5980	20.6	9510
48 1,1,2-Trichloroethane	83	22.080	22.062	(0.864)	2090277	20.4161	20.4	8695
49 Tetrachloroethene	166	22.647	22.629	(0.886)	3447717	22.9248	22.9	9177
50 1,3-Dichloropropane	76	22.657	22.638	(0.887)	4640015	20.0514	20.0	9044
M 51 Total Xylenes	106				20543407	67.9286	67.9	0
52 2-Hexanone	43	22.930	22.902	(0.897)	1846511	37.3138	37.3	9645
53 Dibromochloromethane	129	23.468	23.430	(0.918)	3199115	20.0770	20.1	9391
54 1,2-Dibromoethane	107	23.868	23.860	(0.934)	2491478	20.1013	20.1	9689
M 55 Total Trihalomethanes	100				17987033	81.0613	81.1	0
* 56 Chlorobenzene-d5	117	25.557	25.530	(1.000)	11678644	20.0000		9370
57 Chlorobenzene (**SPCC**)	112	25.655	25.638	(1.004)	10556051	21.7898	21.8	9427
58 1,1,1,2-Tetrachloroethane	131	25.948	25.921	(1.015)	3836340	21.3406	21.3	9318
59 Ethylbenzene (*CCC*)	91	26.065	26.038	(1.020)	19063655	23.5238	23.5	9699
60 m+p-Xylenes	106	26.485	26.458	(1.036)	13699492	46.1045	46.1	9720
61 o-Xylene	106	27.813	27.787	(1.088)	6843915	21.8241	21.8	8055
62 Styrene	104	27.852	27.826	(1.090)	11310263	21.9903	22.0	9706
63 Bromoform (**SPCC**)	173	28.409	28.373	(1.112)	1260187	19.4992	19.5	8514

Data File: /var/chem/MSDA.i/1109a.b/1109_32.d
 Report Date: 13-Nov-2000 07:55

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN	FINAL	
	MASS					(ug/L)	(ug/L)	
=====	=====	==	=====	=====	=====	=====	=====	=====
64 Isopropylbenzene	105	28.956	28.930	(1.133)	18815478	23.6452	23.6	9732
\$ 65 4-Bromofluorobenzene (S)	95	29.396	29.370	(0.905)	6212537	22.7471	22.7	8827
66 1,1,2,2-TetrachloroethaneSPCC	83	29.797	29.771	(0.917)	2776423	20.4220	20.4	5360
67 Bromobenzene	156	29.826	29.801	(0.918)	3943388	20.6636	20.7	9099
68 1,2,3-Trichloropropane	110	29.914	29.889	(0.921)	829388	19.1349	19.1	8080
69 n-Propylbenzene	91	30.140	30.114	(0.928)	23195389	23.3975	23.4	9581
70 2-Chlorotoluene	126	30.374	30.359	(0.935)	4429281	22.5748	22.6	9327
71 1,3,5-Trimethylbenzene	105	30.629	30.603	(0.943)	15659796	23.4165	23.4	9303
72 4-Chlorotoluene	126	30.668	30.643	(0.944)	4443711	22.6482	22.6	9517
73 tert-Butylbenzene	119	31.480	31.464	(0.969)	13901405	23.6831	23.7	8653
74 1,2,4-Trimethylbenzene	105	31.607	31.592	(0.973)	15760774	22.3877	22.4	9726
75 sec-Butylbenzene	105	32.037	32.022	(0.986)	20582402	25.3589	25.4	9689
76 bis(2Chloroethyl)Ether	93	32.077	32.051	(2.046)	527221	92.1366	92.1	9754
77 1,3-Dichlorobenzene	146	32.311	32.296	(0.995)	8482022	22.2786	22.3	9106
78 4-Isopropyltoluene	119	32.400	32.384	(0.998)	17081513	23.6237	23.6	9566
* 79 1,4-Dichlorobenzene-d4	152	32.478	32.453	(1.000)	5503328	20.0000		9073
80 1,4-Dichlorobenzene	146	32.537	32.512	(1.002)	8231757	21.8254	21.8	9233
81 n-Butylbenzene	91	33.379	33.354	(1.028)	17448675	25.9666	26.0	9524
82 1,2-Dichlorobenzene	146	33.418	33.413	(1.029)	7333735	21.5552	21.6	8921
83 1,2-Dibromo-3-chloropropane	157	35.152	35.128	(1.082)	398486	18.7643	18.8	8945
84 1,2,4-Trichlorobenzene	180	36.889	36.866	(1.136)	3619484	22.2529	22.2	8929
85 Hexachlorobutadiene	225	37.223	37.210	(1.146)	1253205	23.5841	23.6	7627
86 Napthalene	128	37.381	37.367	(1.151)	8516982	21.7273	21.7	9518
87 1,2,3-Trichlorobenzene	180	37.882	37.868	(1.166)	2893746	21.2161	21.2	8722

00835

Data File: /var/chem/MSDA.i/1109a.b/1109_32.d
 Report Date: 13-Nov-2000 07:55

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1109_32.d
 Lab Smp Id: A100792-8-S2
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB

Calibration Date: 10-NOV-2000
 Calibration Time: 00:07

Level: LOW
 Sample Type: WATER

Method File: /var/chem/MSDA.i/1109a.b/8260.m
 Misc Info: 0;1;15;;15;;V000160MSA

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14817501	7408750	29635002	15559816	5.01
56 Chlorobenzene-d5	11421946	5710973	22843892	11678644	2.25
79 1,4 Dichlorobenze	5457572	2728786	10915144	5503328	0.84

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.68	15.18	16.18	15.68	-0.02
56 Chlorobenzene-d5	25.56	25.06	26.06	25.56	-0.02
9 1,4 Dichlorobenze	32.48	31.98	32.98	32.48	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

DB

Data File: /var/chem/MSDA.i/1109a.b/1109_32.d
Report Date: 13-Nov-2000 07:55

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1109a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-8-S2
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1109a.b/8260.m
Misc Info: 0;1;15;;15;;V000160MSA

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	22.3	111.68	70-130
\$ 33 1,2-Dichloroethane	20.0	20.8	104.01	70-130
\$ 45 Toluene-d8 (S)	20.0	23.3	116.46	70-130
\$ 65 4-Bromofluorobenze	20.0	22.7	113.74	70-130

DB

Data File: /var/chem/HSDA.i/1109a,b/1109_32.d

Date: 10-NOV-2000 09:32

Client ID:

Sample Info: A100792-8-S2

Purge Volume: 15.0

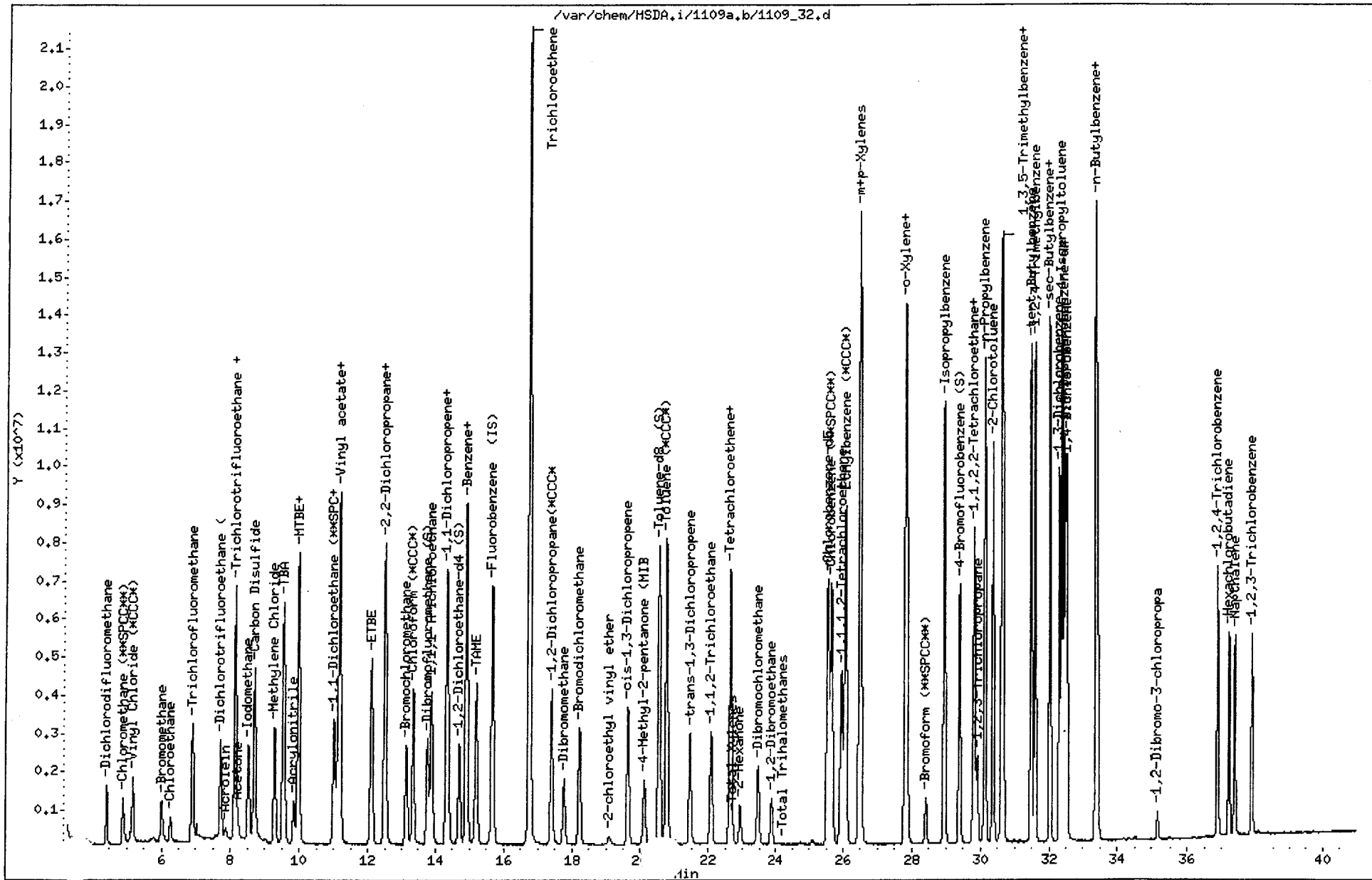
Column phase: DB-624

Instrument: HSDA.i

Operator: DB

Column diameter: 0.32

00238



Data File	Date-Time	Sample ID	Batch-Std ID	Matrix	Sublist	Run Comments (pH)
1110_01.d	10-NOV-2000 10:47	BFB	1110a	AIR	all	Pass
1110_02.d	10-NOV-2000 11:22	CCV @ 20 ppb	V110100-8	WATER	all	Pass
1110_03.d	10-NOV-2000 12:09	LCS @ 20 ppb	V000161MSA	WATER	all	OK
1110_04.d	10-NOV-2000 12:56	BLANK	V000161MSA	WATER	all	
1110_05.d	10-NOV-2000 13:44	BLANK	V000161MSA	WATER	all	OK
1110_06.d	10-NOV-2000 14:31	A100792-7	V000161MSA	WATER	all	✓
1110_07.d	10-NOV-2000 15:18	A100781-16	V000161MSA	WATER	all	✓
1110_08.d	10-NOV-2000 16:06	A100781-17	V000161MSA	WATER	all	✓
1110_09.d	10-NOV-2000 16:53	A100792-5	V000161MSA	WATER	all	✓
1110_10.d	10-NOV-2000 17:40	A100792-6	V000161MSA	WATER	all	✓
1110_11.d	10-NOV-2000 18:27	A100786-1	V000161MSA	WATER	all	✓
1110_12.d	10-NOV-2000 19:15	A110020-1	V000161MSA	WATER	all	✓
1110_13.d	10-NOV-2000 20:03	A110027-1	V000161MSA	WATER	all	Rem e dil
1110_14.d	10-NOV-2000 20:50	A110027-2	V000161MSA	WATER	all	Rem sta
1110_15.d	10-NOV-2000 21:38	A110027-3	V000161MSA	WATER	all	Rem e dil
1110_16.d	10-NOV-2000 22:21	BFB	1110a	AIR	all	Not used
1110_17.d	10-NOV-2000 22:55	BFB	1110a	AIR	all	
1110_18.d	10-NOV-2000 23:29	CCV @ 20ppb	V110100-8	WATER	all	
1110_19.d	11-NOV-2000 00:16	CCV @ 20ppb	V110100-8	WATER	all	
1110_20.d	11-NOV-2000 01:03	inst blank	1110a	WATER	all	
1110_21.d	11-NOV-2000 15:20	inst blank	1110a	WATER	all	

COLUMNS: DB-624 METHODS: 8260.M ISTD: V103000-2

OPERATOR: DB

Sequence Comments: Auto Sampler error, sequence not finished

Data File: /var/chem/MSDA,i/1110a,b/1110_01.d

Date : 10-NOV-2000 10:47

lient ID:

Instrument: MSDA.i

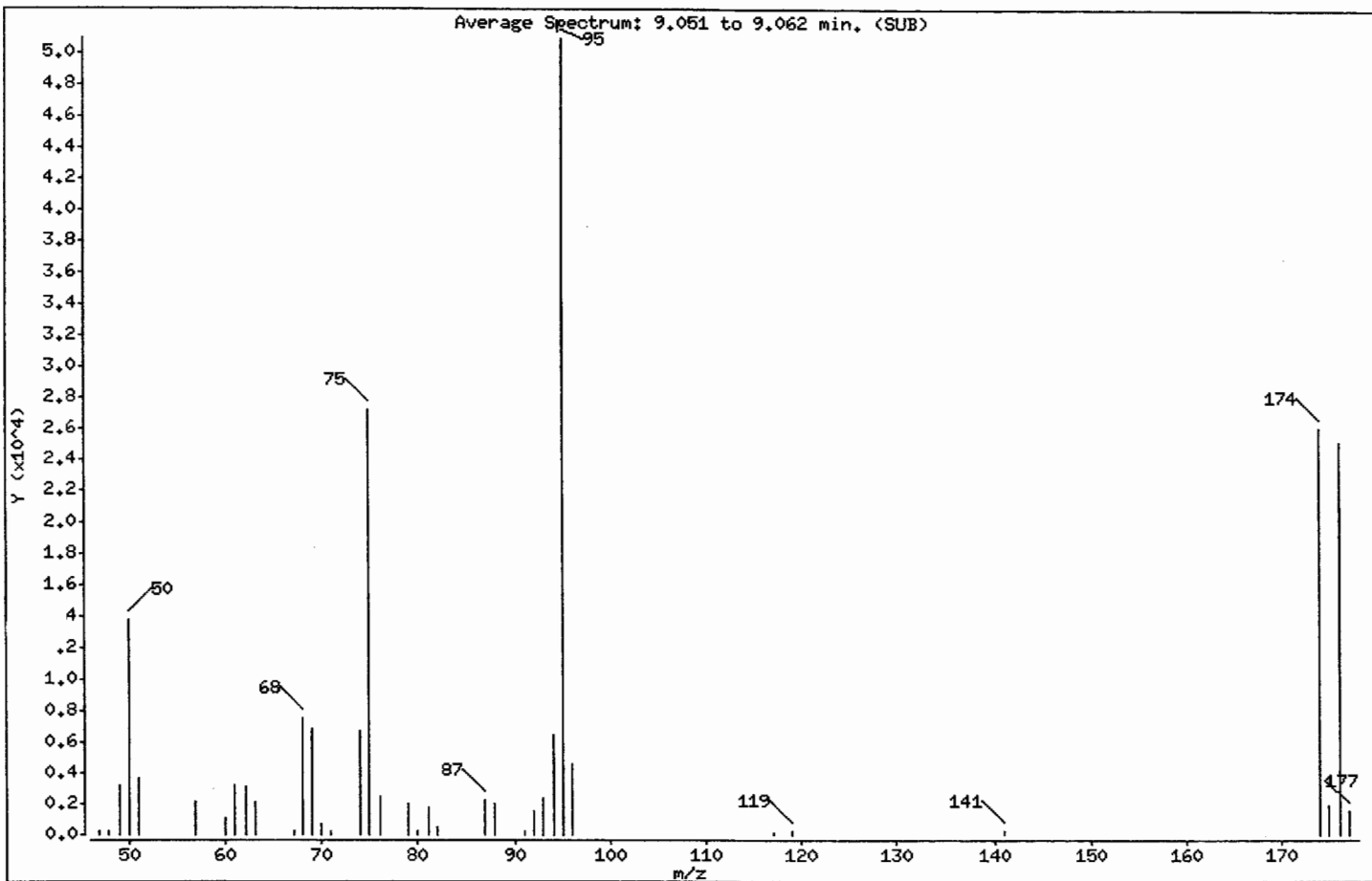
Sample Info: BFB

Operator: DB

Column phase:

Column diameter: 2.00

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	26.85
75	30.00 - 60.00% of mass 95	53.55
96	5.00 - 9.00% of mass 95	8.97
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	51.09
175	5.00 - 9.00% of mass 174	3.73 (7.30)
176	95.00 - 101.00% of mass 174	49.21 (96.32)
177	5.00 - 9.00% of mass 176	2.96 (6.02)

r Pass
DB
11/13/00

14290

Data File: /var/chem/MSDA.i/1110a,b/1110_01.d

Date : 10-NOV-2000 10:47

Client ID:

Sample Info: BFB

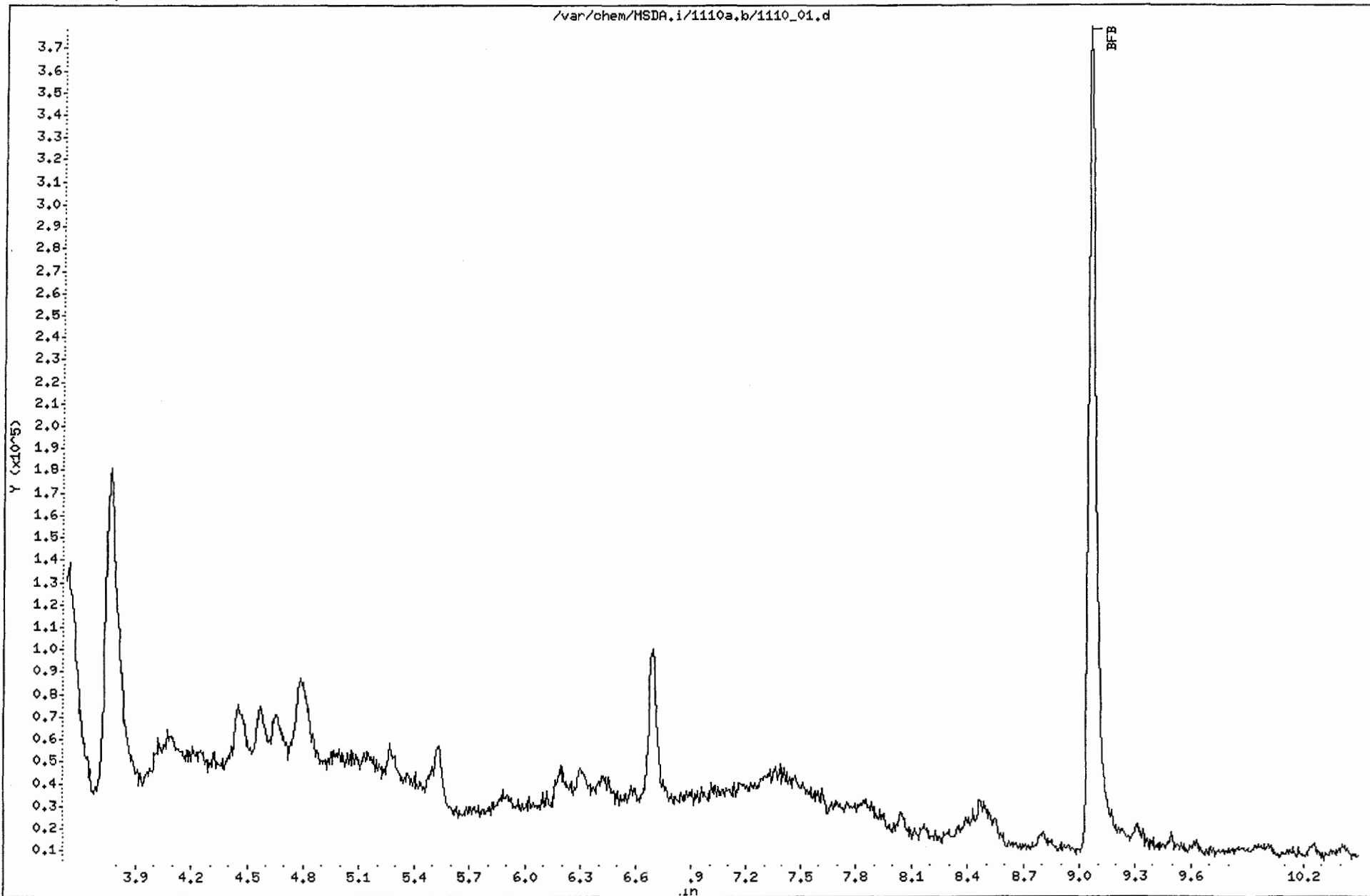
Instrument: MSDA.i

Operator: DB

Column diameter: 2.00

Column phase:

/var/chem/MSDA.i/1110a,b/1110_01.d



Data File: /var/chem/MSDA.i/1110a.b/1110_02.d
 Report Date: 10-Nov-2000 12:04

Caltest Analytical Laboratory

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSDA.i Injection Date: 10-NOV-2000 11:22
 Lab File ID: 1110_02.d Init. Cal. Date(s): 06-NOV-2000 07-NOV-2000
 Analysis Type: WATER Init. Cal. Times: 21:48 04:05
 Lab Sample ID: CCV @ 20 ppb Quant Type: ISTD
 Method: /var/chem/MSDA.i/1110a.b/8260.m

COMPOUND	RRF / AMOUNT	RF20	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	0.13641	0.14982	0.000	-9.8	30.0	Averaged
2 Chloromethane (**SPCC**)	0.15126	0.11613	0.100	23.2	30.0	Averaged ✓
3 Vinyl Chloride (*CCC*)	0.17741	0.16258	0.000	8.4	20.0	Averaged ✓
4 Bromomethane	0.11237	0.09893	0.000	12.0	30.0	Averaged
5 Chloroethane	0.08240	0.07771	0.000	5.7	30.0	Averaged
6 Trichlorofluoromethane	0.35377	0.38622	0.000	-9.2	30.0	Averaged
7 Acrolein	0.01143	0.00886	0.000	22.5	30.0	Averaged
8 Dichlorotrifluoroethane (F1	0.20091	0.21375	0.000	-6.4	30.0	Averaged
9 Trichlorotrifluoroethane (F	0.17868	0.19892	0.000	-11.3	30.0	Averaged
10 Acetone	0.03817	0.03643	0.000	4.6	30.0	Averaged
11 1,1-Dichloroethene(*CCC*)	0.16710	0.17156	0.000	-2.7	20.0	Averaged ✓
12 Iodomethane	0.20056	0.21216	0.000	-5.8	30.0	Averaged
13 Carbon Disulfide	0.41413	0.46936	0.000	-13.3	30.0	Averaged
14 Methylene Chloride	0.24526	0.22215	0.000	9.4	30.0	Averaged
15 TBA	0.01410	0.01398	0.000	0.8	30.0	Averaged
16 Acrylonitrile	0.03541	0.03543	0.000	-0.1	30.0	Averaged
17 MTBE	0.58547	0.56781	0.000	3.0	30.0	Averaged
18 trans-1,2-Dichloroethene	0.22574	0.23490	0.000	-4.1	30.0	Averaged
19 1,1-Dichloroethane (**SPCC**	0.45335	0.46745	0.100	-3.1	30.0	Averaged ✓
20 DIPE	0.00818	0.00798	0.000	2.4	30.0	Averaged
21 Vinyl acetate	0.51987	0.54174	0.000	-4.2	30.0	Averaged
22 1,4-DIOXANE	0.00382	0.00360	0.000	5.8	30.0	Averaged
23 2-Butanone (MEK)	0.52368	0.54174	0.000	-3.4	30.0	Averaged
24 ETBE	0.28054	0.27976	0.000	0.3	30.0	Averaged
25 2,2-Dichloropropane	0.30359	0.38150	0.000	-25.7	30.0	Averaged
26 cis 1,2-Dichloroethene	0.24658	0.25641	0.000	-4.0	30.0	Averaged
27 Bromochloromethane	0.11551	0.11811	0.000	-2.2	30.0	Averaged
28 Chloroform (*CCC*)	0.49004	0.49682	0.000	-1.4	20.0	Averaged ✓
\$ 29 Dibromofluoromethane (S)	0.25030	0.28364	0.000	-13.3	30.0	Averaged
30 1,1,1-Trichloroethane	0.39942	0.41626	0.000	-4.2	30.0	Averaged
31 1,1-Dichloropropene	0.33302	0.34627	0.000	-4.0	30.0	Averaged
32 Carbon Tetrachloride	0.31323	0.33896	0.000	-8.2	30.0	Averaged
\$ 33 1,2-Dichloroethane-d4 (S)	0.32898	0.35300	0.000	-7.3	30.0	Averaged
34 Benzene	0.85507	0.91289	0.000	-6.8	30.0	Averaged
35 1,2-Dichloroethane	0.39165	0.39573	0.000	-1.0	30.0	Averaged
36 TAME	0.63057	0.62373	0.000	1.1	30.0	Averaged

Caltest Analytical Laboratory
 CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSDA.i Injection Date: 10-NOV-2000 11:22
 Lab File ID: 1110_02.d Init. Cal. Date(s): 06-NOV-2000 07-NOV-2000
 Analysis Type: WATER Init. Cal. Times: 21:48 04:05
 Lab Sample ID: CCV @ 20 ppb Quant Type: ISTD
 Method: /var/chem/MSDA.i/1110a.b/8260.m

COMPOUND	RRF / AMOUNT		RF20	MIN		MAX		CURVE TYPE
	RRF	AMOUNT		RRF	%D / %DRIFT	%D / %DRIFT		
38 Trichloroethene	0.25546		0.26405	0.000	-3.4	30.0	Averaged	
39 1,2-Dichloropropane(*CCC*)	0.22395		0.23257	0.000	-3.8	20.0	Averaged	
40 Dibromomethane	0.12627		0.12603	0.000	0.2	30.0	Averaged	
41 Bromodichloromethane	0.34804		0.35398	0.000	-1.7	30.0	Averaged	
42 2-chloroethyl vinyl ether	0.09295		0.09805	0.000	-5.5	30.0	Averaged	
43 cis-1,3-Dichloropropene	0.36623		0.37017	0.000	-1.1	30.0	Averaged	
44 4-Methyl-2-pentanone (MIBK)	0.10399		0.10176	0.000	2.1	30.0	Averaged	
\$ 45 Toluene-d8 (S)	0.81637		0.94075	0.000	-15.2	30.0	Averaged	
46 Toluene (*CCC*)	0.76341		0.78157	0.000	-2.4	20.0	Averaged	
47 trans-1,3-Dichloropropene	0.38689		0.41432	0.000	-7.1	30.0	Averaged	
48 1,1,2-Trichloroethane	0.17533		0.18235	0.000	-4.0	30.0	Averaged	
49 Tetrachloroethene	0.25755		0.27542	0.000	-6.9	30.0	Averaged	
50 1,3-Dichloropropane	0.39629		0.40446	0.000	-2.1	30.0	Averaged	
M 51 Total Xylenes	0.51825		0.55787	0.000	-7.6	30.0	Averaged	
52 2-Hexanone	0.08475		0.09029	0.000	-6.5	30.0	Averaged	
53 Dibromochloromethane	0.27288		0.27916	0.000	-2.3	30.0	Averaged	
54 1,2-Dibromoethane	0.21226		0.21839	0.000	-2.9	30.0	Averaged	
M 55 Total Trihalomethanes	0.28442		0.28502	0.000	-0.2	30.0	Averaged	
57 Chlorobenzene (**SPCC**)	0.82963		0.87612	0.300	-5.6	30.0	Averaged	
58 1,1,1,2-Tetrachloroethane	0.30786		0.32492	0.000	-5.5	30.0	Averaged	
59 Ethylbenzene (*CCC*)	1.38783		1.55116	0.000	-11.8	20.0	Averaged	
60 m+p-Xylenes	0.50886		0.55657	0.000	-9.4	30.0	Averaged	
61 o-Xylene	0.53704		0.56045	0.000	-4.4	30.0	Averaged	
62 Styrene	0.88080		0.93406	0.000	-6.0	30.0	Averaged	
63 Bromoform (**SPCC**)	0.11068		0.10637	0.100	3.9	30.0	Averaged	
64 Isopropylbenzene	1.36273		1.49536	0.000	-9.7	30.0	Averaged	
\$ 65 4-Bromofluorobenzene (S)	0.99254		1.10823	0.000	-11.7	30.0	Averaged	
66 1,1,2,2-TetrachloroethaneSP	0.49407		0.49876	0.300	-0.9	30.0	Averaged	
67 Bromobenzene	0.69354		0.67868	0.000	2.1	30.0	Averaged	
68 1,2,3-Trichloropropane	0.15752		0.14973	0.000	4.9	30.0	Averaged	
69 n-Propylbenzene	3.60277		3.93865	0.000	-9.3	30.0	Averaged	
70 2-Chlorotoluene	0.71304		0.74887	0.000	-5.0	30.0	Averaged	
71 1,3,5-Trimethylbenzene	2.43035		2.64130	0.000	-8.7	30.0	Averaged	
72 4-Chlorotoluene	0.71305		0.75906	0.000	-6.5	30.0	Averaged	
73 tert-Butylbenzene	2.13316		2.31083	0.000	-8.3	30.0	Averaged	
74 1,2,4-Trimethylbenzene	2.55842		2.68790	0.000	-5.1	30.0	Averaged	

00243

Caltest Analytical Laboratory
 CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSDA.i Injection Date: 10-NOV-2000 11:22
 Lab File ID: 1110_02.d Init. Cal. Date(s): 06-NOV-2000 07-NOV-2000
 Analysis Type: WATER Init. Cal. Times: 21:48 04:05
 Lab Sample ID: CCV @ 20 ppb Quant Type: ISTD
 Method: /var/chem/MSDA.i/1110a.b/8260.m

COMPOUND	RRF / AMOUNT	RF20	MIN	MAX		CURVE TYPE
			RRF	%D / %DRIFT	%D / %DRIFT	
75 sec-Butylbenzene	2.94965	3.39746	0.000	-15.2	30.0	Averaged
76 bis(2Chloroethyl)Ether	0.00736	0.00690	0.000	6.1	30.0	Averaged
77 1,3-Dichlorobenzene	1.38362	1.47400	0.000	-6.5	30.0	Averaged
78 4-Isopropyltoluene	2.62774	2.91854	0.000	-11.1	30.0	Averaged
80 1,4-Dichlorobenzene	1.37067	1.44928	0.000	-5.7	30.0	Averaged
81 n-Butylbenzene	2.44204	3.01344	0.000	-23.4	30.0	Averaged
82 1,2-Dichlorobenzene	1.23645	1.30735	0.000	-5.7	30.0	Averaged
83 1,2-Dibromo-3-chloropropane	0.07718	0.07662	0.000	0.7	30.0	Averaged
84 1,2,4-Trichlorobenzene	0.59110	0.64700	0.000	-9.5	30.0	Averaged
85 Hexachlorobutadiene	0.19311	0.21033	0.000	-8.9	30.0	Averaged
86 Napthalene	1.42458	1.48440	0.000	-4.2	30.0	Averaged
87 1,2,3-Trichlorobenzene	0.49568	0.50695	0.000	-2.3	30.0	Averaged

Average %D / Drift Results.
 =====
 Calculated Average %D/Drift = 6.47742891
 Maximum Average %D/Drift = 15
 * Passed Average %D/Drift Test.

Data File: /var/chem/MSDA.i/1110a.b/1110_02.d
 Report Date: 13-Nov-2000 09:11

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1110a.b/1110_02.d
 Lab Smp Id: CCV @ 20 ppb
 Inj Date : 10-NOV-2000 11:22
 Operator : DB
 Smp Info : CCV @ 20 ppb
 Misc Info : 2;1;15;;15;;V110100-8;6
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1110a.b/8260.m
 Meth Date : 13-Nov-2000 09:11 dvb
 Cal Date : 06-NOV-2000 22:35
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1106_08.d
 Continuing Calibration Sample
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

d Variable Local Compound Variable

Compounds	QUANT SIG			AMOUNTS			SIMILARITY
	MASS	RT	EXP RT REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	
1 Dichlorodifluoromethane	85	4.407	4.418 (0.282)	2225761	20.0000	22.0	9714
2 Chloromethane (**SPCC**)	50	4.885	4.897 (0.312)	1725335	20.0000	15.4	9669
3 Vinyl Chloride (*CCC*)	62	5.167	5.170 (0.330)	2415454	20.0000	18.3	9769
4 Bromomethane	94	5.986	5.999 (0.382)	1469840	20.0000	17.6	9589
5 Chloroethane	64	6.250	6.245 (0.399)	1154510	20.0000	18.9	9384
6 Trichlorofluoromethane	101	6.880	6.895 (0.440)	5737989	20.0000	21.8	9636
7 Acrolein	56	7.847	7.844 (0.501)	526260	80.0000	62.0	8782
8 Dichlorotrifluoroethane (F123)	83	7.690	7.706 (0.491)	3175587	20.0000	21.3	9263
9 Trichlorotrifluoroethane (F113)	101	8.112	8.119 (0.518)	2955245	20.0000	22.3	6984
10 Acetone	43	8.210	8.217 (0.524)	1082355	40.0000	38.2	9450
11 1,1-Dichloroethene(*CCC*)	96	8.121	8.128 (0.519)	2548882	20.0000	20.5	7931
12 Iodomethane	142	8.494	8.501 (0.543)	6304082	40.0000	42.3	9400
13 Carbon Disulfide	76	8.680	8.688 (0.554)	13946325	40.0000	45.3	9472
14 Methylene Chloride	84	9.257	9.266 (0.591)	3300467	20.0000	18.1	9515
15 TBA	59	9.520	9.520 (0.608)	20770295	2000.00	1980	9450
16 Acrylonitrile	53	9.823	9.842 (0.627)	2105564	80.0000	80.0	9660

00245

Compounds	QUANT SIG			AMOUNTS				SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	
17 MTBE	73	9.959	9.960	(0.636)	8435829	20.0000	19.4	6580
18 trans-1,2-Dichloroethene	96	9.959	9.960	(0.636)	3489859	20.0000	20.8	8702
19 1,1-Dichloroethane (**SPCC**)	63	10.993	10.995	(0.702)	6944815	20.0000	20.6	9722
20 DIPE	100	11.002	10.995	(0.703)	237054	40.0000	39.0	9630
21 Vinyl acetate	43	11.149	11.152	(0.712)	16096849	40.0000	41.7	9057
22 1,4-DIOXANE	88	11.149	11.161	(0.712)	267520	100.0000	94.2	9403
23 2-Butanone (MEK)	43	11.149	11.152	(0.712)	16096849	40.0000	41.4	3452
24 ETBE	87	12.085	12.099	(0.772)	4156344	20.0000	19.9	9565
25 2,2-Dichloropropane	77	12.494	12.490	(0.798)	5667900	20.0000	25.1	7919
26 cis 1,2-Dichloroethene	96	12.484	12.480	(0.798)	3809417	20.0000	20.8	8709
27 Bromochloromethane	128	13.108	13.125	(0.837)	1754720	20.0000	20.4	9345
28 Chloroform (*CCC*)	83	13.313	13.310	(0.850)	7381151	20.0000	20.3	9665
\$ 29 Dibromofluoromethane (S)	113	13.742	13.740	(0.878)	4213961	20.0000	22.7	9236
30 1,1,1-Trichloroethane	97	13.860	13.858	(0.885)	6184237	20.0000	20.8	9454
31 1,1-Dichloropropene	75	14.308	14.317	(0.914)	5144398	20.0000	20.8	9399
32 Carbon Tetrachloride	117	14.338	14.346	(0.916)	5035827	20.0000	21.6	6911
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.679	14.688	(0.938)	5244473	20.0000	21.5	9473
34 Benzene	78	14.884	14.883	(0.951)	13562461	20.0000	21.4	8271
35 1,2-Dichloroethane	62	14.893	14.883	(0.951)	5879212	20.0000	20.2	8908
36 TAME	73	15.176	15.176	(0.969)	9266530	20.0000	19.8	9561
* 37 Fluorobenzene (IS)	96	15.654	15.645	(1.000)	14856700	20.0000		9622
38 Trichloroethene	95	16.736	16.729	(1.069)	3922936	20.0000	20.7	9316
39 1,2-Dichloropropane(*CCC*)	63	17.380	17.394	(1.110)	3455249	20.0000	20.8	9257
40 Dibromomethane	93	17.750	17.745	(1.134)	1872362	20.0000	20.0	8867
41 Bromodichloromethane	83	18.209	18.204	(1.163)	5259011	20.0000	20.3	9533
2-chloroethyl vinyl ether	63	19.126	19.132	(1.222)	2913329	40.0000	42.2	9397
3 cis-1,3-Dichloropropene	75	19.624	19.620	(1.254)	5499564	20.0000	20.2	9439
44 4-Methyl-2-pentanone (MIBK)	43	20.092	20.079	(1.284)	3023655	40.0000	39.1	9431
\$ 45 Toluene-d8 (S)	98	20.522	20.508	(1.311)	13976499	20.0000	23.0	9636
46 Toluene (*CCC*)	92	20.746	20.743	(0.813)	8712871	20.0000	20.5	9608
47 trans-1,3-Dichloropropene	75	21.430	21.426	(0.839)	4618853	20.0000	21.4	9438
48 1,1,2-Trichloroethane	83	22.064	22.062	(0.864)	2032782	20.0000	20.8	8661
49 Tetrachloroethene	166	22.630	22.629	(0.886)	3070364	20.0000	21.4	9038
50 1,3-Dichloropropane	76	22.640	22.638	(0.887)	4508857	20.0000	20.4	8877
M 51 Total Xylenes	106				18657261	60.0000	64.6	0
52 2-Hexanone	43	22.914	22.902	(0.898)	2013013	40.0000	42.6	9683
53 Dibromochloromethane	129	23.451	23.430	(0.919)	3112042	20.0000	20.5	9361
54 1,2-Dibromoethane	107	23.851	23.860	(0.934)	2434650	20.0000	20.6	9626
M 55 Total Trihalomethanes	100				16938023	80.0000	80.3	0
* 56 Chlorobenzene-d5	117	25.529	25.530	(1.000)	11147971	20.0000		9342
57 Chlorobenzene (**SPCC**)	112	25.646	25.638	(1.005)	9766938	20.0000	21.1	9494
58 1,1,1,2-Tetrachloroethane	131	25.930	25.921	(1.016)	3622213	20.0000	21.1	9318
59 Ethylbenzene (*CCC*)	91	26.047	26.038	(1.020)	17292246	20.0000	22.4	9693
60 m+p-Xylenes	106	26.467	26.458	(1.037)	12409361	40.0000	43.8	9705
61 o-Xylene	106	27.795	27.787	(1.089)	6247900	20.0000	20.9	8410
62 Styrene	104	27.834	27.826	(1.090)	10412826	20.0000	21.2	9493
63 Bromoform (**SPCC**)	173	28.401	28.373	(1.112)	1185819	20.0000	19.2	8378

Compounds	QUANT SIG		AMOUNTS				SIMILARITY	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)		ON-COL (ug/L)
64 Isopropylbenzene	105	28.949	28.930	(1.134)	16670271	20.0000	21.9	9768
\$ 65 4-Bromofluorobenzene (S)	95	29.379	29.370	(0.905)	5789924	20.0000	22.3	8676
66 1,1,2,2-TetrachloroethaneSPCC	83	29.790	29.771	(0.917)	2605770	20.0000	20.2	5100
67 Bromobenzene	156	29.819	29.801	(0.918)	3545714	20.0000	19.6	9061
68 1,2,3-Trichloropropane	110	29.907	29.889	(0.921)	782271	20.0000	19.0	8123
69 n-Propylbenzene	91	30.133	30.114	(0.928)	20577316	20.0000	21.9	9651
70 2-Chlorotoluene	126	30.358	30.359	(0.935)	3912447	20.0000	21.0	9254
71 1,3,5-Trimethylbenzene	105	30.612	30.603	(0.943)	13799358	20.0000	21.7	9647
72 4-Chlorotoluene	126	30.661	30.643	(0.944)	3965669	20.0000	21.3	9511
73 tert-Butylbenzene	119	31.473	31.464	(0.969)	12072860	20.0000	21.7	8613
74 1,2,4-Trimethylbenzene	105	31.600	31.592	(0.973)	14042813	20.0000	21.0	9695
75 sec-Butylbenzene	105	32.031	32.022	(0.986)	17749899	20.0000	23.0	9715
76 bis(2Chloroethyl)Ether	93	32.060	32.051	(2.048)	512789	100.000	93.8	9622
77 1,3-Dichlorobenzene	146	32.305	32.296	(0.995)	7700859	20.0000	21.3	9063
78 4-Isopropyltoluene	119	32.393	32.384	(0.998)	15247809	20.0000	22.2	9593
79 1,4 Dichlorobenzene-d4	152	32.471	32.453	(1.000)	5224463	20.0000		9193
80 1,4-Dichlorobenzene	146	32.520	32.512	(1.002)	7571704	20.0000	21.1	9118
81 n-Butylbenzene	91	33.372	33.354	(1.028)	15743627	20.0000	24.7	9501
82 1,2-Dichlorobenzene	146	33.411	33.413	(1.029)	6830193	20.0000	21.1	8893
83 1,2-Dibromo-3-chloropropane	157	35.145	35.128	(1.082)	400299	20.0000	19.8	9013
84 1,2,4-Trichlorobenzene	180	36.882	36.866	(1.136)	3380210	20.0000	21.9	8928
85 Hexachlorobutadiene	225	37.216	37.210	(1.146)	1098872	20.0000	21.8	7619
86 Napthalene	128	37.373	37.367	(1.151)	7755217	20.0000	20.8	9583
87 1,2,3-Trichlorobenzene	180	37.875	37.868	(1.166)	2648523	20.0000	20.4	8716

Data File: /var/chem/MSDA.i/1110a.b/1110_02.d
 Report Date: 13-Nov-2000 09:11

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1110_02.d
 Lab Smp Id: CCV @ 20 ppb
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB

Calibration Date: 10-NOV-2000
 Calibration Time: 11:22

Level: LOW
 Sample Type: WATER

Method File: /var/chem/MSDA.i/1110a.b/8260.m
 Misc Info: 2;1;15;;15;;V110100-8;6

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14856700	7428350	29713400	14856700	0.00
56 Chlorobenzene-d5	11147971	5573986	22295942	11147971	0.00
79 1,4 Dichlorobenze	5224463	2612232	10448926	5224463	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.65	15.15	16.15	15.65	0.00
56 Chlorobenzene-d5	25.53	25.03	26.03	25.53	0.00
9 1,4 Dichlorobenze	32.47	31.97	32.97	32.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/HSDA,i/1110a,b/1110_02.d

Date : 10-NOV-2000 11:22

Client ID:

Sample Info: CCV @ 20 ppb

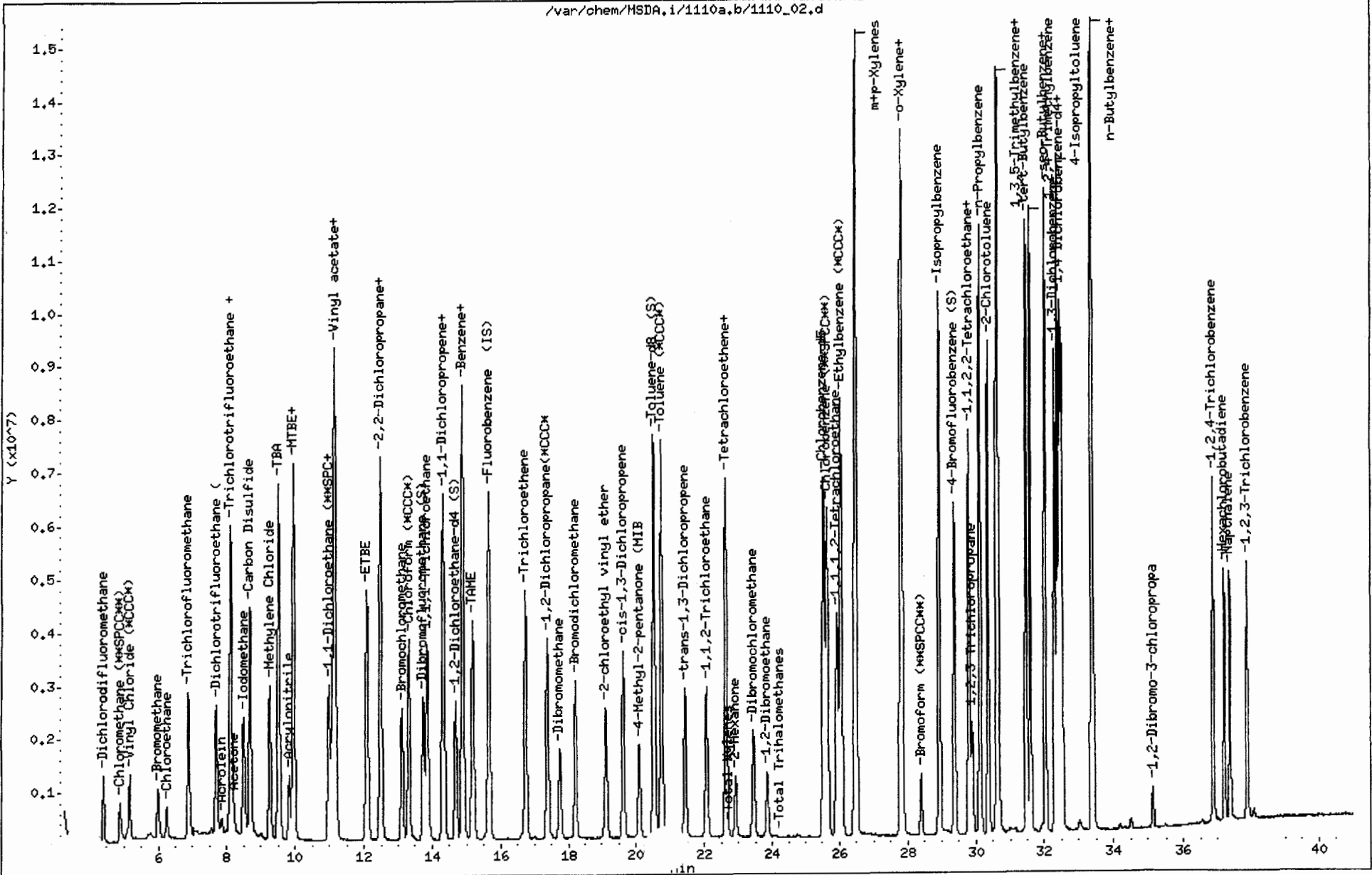
Purge Volume: 15.0

Column phase: DB-624

Instrument: MSDA.i

Operator: DB

Column diameter: 0.32



00249

Data File: /var/chem/MSDA.i/1110a.b/1110_03.d
 Report Date: 13-Nov-2000 09:11

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1110a.b/1110_03.d
 Lab Smp Id: LCS @ 20 ppb
 Inj Date : 10-NOV-2000 12:09
 Operator : DB
 Smp Info : LCS @ 20 ppb
 Misc Info : 3;1;15;;15;;V000161MSA;
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1110a.b/8260.m
 Meth Date : 13-Nov-2000 09:11 dvb
 Cal Date : 06-NOV-2000 22:35
 Als bottle: 3
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1106_08.d
 QC Sample: LCS
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

(i Variable Local Compound Variable

DB
11/13/00

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN (ug/L)	FINAL (ug/L)	
1 Dichlorodifluoromethane	85	4.417	4.418	(0.282)	2443466	23.5404	23.5	9746
2 Chloromethane (**SPCC**)	50	4.896	4.897	(0.312)	2347269	20.3931	20.4	9730
3 Vinyl Chloride (*CCC*)	62	5.178	5.170	(0.331)	2915508	21.5972	21.6	9765
4 Bromomethane	94	6.007	5.999	(0.383)	1756152	20.5373	20.5	9696
5 Chloroethane	64	6.262	6.245	(0.400)	1231182	19.6358	19.6	9400
6 Trichlorofluoromethane	101	6.893	6.895	(0.440)	5599297	20.7997	20.8	9659
7 Acrolein	56	7.861	7.844	(0.502)	552707	63.5287	63.5	8569
8 Dichlorotrifluoroethane (F123)	83	7.704	7.706	(0.492)	3200594	20.9353	20.9	8981
9 Trichlorotrifluoroethane (F113)	101	8.136	8.119	(0.519)	2896120	21.3006	21.3	7007
10 Acetone	43	8.224	8.217	(0.525)	1165750	40.1319	40.1	9406
11 1,1-Dichloroethene(*CCC*)	96	8.136	8.128	(0.519)	2455315	19.3101	19.3	7879
12 Iodomethane	142	8.518	8.501	(0.544)	6447554	42.2473	42.2	9496
13 Carbon Disulfide	76	8.695	8.688	(0.555)	13378196	42.4532	42.4	9514
14 Methylene Chloride	84	9.281	9.266	(0.592)	3258639	17.4608	17.5	9530
15 TBA	59	9.545	9.520	(0.609)	21313690	1987.03	1990	9553
16 Acrylonitrile	53	9.848	9.842	(0.629)	2234138	82.9123	82.9	9837

Compounds	QUANT SIG		CONCENTRATIONS					SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)	
17 MTBE	73	9.974	9.960	(0.637)	8349349	18.7412	18.7	6593
18 trans-1,2-Dichloroethene	96	9.974	9.960	(0.637)	3344847	19.4721	19.5	8656
19 1,1-Dichloroethane (**SPCC**)	63	11.009	10.995	(0.703)	6849365	19.8546	19.8	9756
20 DIPE	100	11.009	10.995	(0.703)	232833	37.4185	37.4	9715
21 Vinyl acetate	43	11.175	11.152	(0.713)	15863888	40.1016	40.1	9045
22 1,4-DIOXANE	88	11.165	11.161	(0.713)	272273	93.5537	93.6	9690
23 2-Butanone (MEK)	43	11.175	11.152	(0.713)	15863888	39.8097	39.8	3340
24 ETBE	87	12.102	12.099	(0.772)	4101422	19.2127	19.2	9518
25 2,2-Dichloropropane	77	12.512	12.490	(0.799)	5434033	23.5227	23.5	7962
26 cis 1,2-Dichloroethene	96	12.503	12.480	(0.798)	3770019	20.0928	20.1	8746
27 Bromochloromethane	128	13.137	13.125	(0.839)	1761024	20.0349	20.0	9437
28 Chloroform (*CCC*)	83	13.333	13.310	(0.851)	7177585	19.2483	19.2	9560
\$ 29 Dibromofluoromethane (S)	113	13.762	13.740	(0.878)	4319007	22.6764	22.7	9193
30 1,1,1-Trichloroethane	97	13.880	13.858	(0.886)	5999629	19.7398	19.7	9478
31 1,1-Dichloropropene	75	14.329	14.317	(0.915)	5006223	19.7556	19.8	9468
32 Carbon Tetrachloride	117	14.358	14.346	(0.916)	4842605	20.3174	20.3	7101
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.700	14.688	(0.938)	5332768	21.3022	21.3	9522
34 Benzene	78	14.905	14.883	(0.951)	13116892	20.1595	20.2	8134
35 1,2-Dichloroethane	62	14.915	14.883	(0.952)	5767333	19.3518	19.4	8871
36 TAME	73	15.198	15.176	(0.970)	9165098	19.1008	19.1	9530
* 37 Fluorobenzene (IS)	96	15.667	15.645	(1.000)	15218833	20.0000		9592
38 Trichloroethene	95	16.750	16.729	(1.069)	3796513	19.5301	19.5	9205
39 1,2-Dichloropropane(*CCC*)	63	17.404	17.394	(1.111)	3387016	19.8751	19.9	9403
40 Dibromomethane	93	17.756	17.745	(1.133)	1891042	19.6807	19.7	8824
41 Bromodichloromethane	83	18.225	18.204	(1.163)	5155931	19.4683	19.5	9508
2-chloroethyl vinyl ether	63	19.133	19.132	(1.221)	2902745	41.0409	41.0	9243
cis-1,3-Dichloropropene	75	19.630	19.620	(1.253)	5385427	19.3249	19.3	9378
44 4-Methyl-2-pentanone (MIBK)	43	20.109	20.079	(1.284)	3099426	39.1686	39.2	9303
\$ 45 Toluene-d8 (S)	98	20.538	20.508	(1.311)	14512765	23.3621	23.4	9665
46 Toluene (*CCC*)	92	20.763	20.743	(0.813)	8516977	19.1591	19.2	9612
47 trans-1,3-Dichloropropene	75	21.456	21.426	(0.840)	4566389	20.2689	20.3	9581
48 1,1,2-Trichloroethane	83	22.072	22.062	(0.864)	2045410	20.0337	20.0	8715
49 Tetrachloroethene	166	22.648	22.629	(0.887)	2943103	19.6242	19.6	8919
50 1,3-Dichloropropane	76	22.658	22.638	(0.887)	4543658	19.6899	19.7	8818
M 51 Total Xylenes	106				18440119	61.1278	61.1	0
52 2-Hexanone	43	22.922	22.902	(0.898)	2042869	41.3972	41.4	9640
53 Dibromochloromethane	129	23.459	23.430	(0.919)	3148806	19.8165	19.8	9361
54 1,2-Dibromoethane	107	23.870	23.860	(0.935)	2474756	20.0222	20.0	9772
M 55 Total Trihalomethanes	100				16740662	78.0582	78.0	0
* 56 Chlorobenzene-d5	117	25.540	25.530	(1.000)	11646080	20.0000		9366
57 Chlorobenzene (**SPCC**)	112	25.647	25.638	(1.004)	9685328	20.0484	20.0	9503
58 1,1,1,2-Tetrachloroethane	131	25.940	25.921	(1.016)	3602506	20.0959	20.1	9298
59 Ethylbenzene (*CCC*)	91	26.058	26.038	(1.020)	16866439	20.8707	20.9	9697
60 m+p-Xylenes	106	26.478	26.458	(1.037)	12203077	41.1833	41.2	9742
61 o-Xylene	106	27.806	27.787	(1.089)	6237042	19.9445	19.9	8080
62 Styrene	104	27.846	27.826	(1.090)	10481289	20.4355	20.4	9708
63 Bromoform (**SPCC**)	173	28.403	28.373	(1.112)	1258340	19.5251	19.5	8462

Compounds	QUANT SIG		CONCENTRATIONS					SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)	
64 Isopropylbenzene	105	28.950	28.930	(1.134)	16769915	21.1335	21.1	9744
\$ 65 4-Bromofluorobenzene (S)	95	29.390	29.370	(0.905)	6177221	22.5094	22.5	8839
66 1,1,2,2-TetrachloroethaneSPCC	83	29.791	29.771	(0.917)	2778292	20.3377	20.3	5417
67 Bromobenzene	156	29.820	29.801	(0.918)	3707904	19.3365	19.3	8996
68 1,2,3-Trichloropropane	110	29.899	29.889	(0.921)	852596	19.5761	19.6	7843
69 n-Propylbenzene	91	30.134	30.114	(0.928)	20910396	20.9915	21.0	9634
70 2-Chlorotoluene	126	30.369	30.359	(0.935)	4024339	20.4126	20.4	9262
71 1,3,5-Trimethylbenzene	105	30.623	30.603	(0.943)	14154088	21.0635	21.1	9360
72 4-Chlorotoluene	126	30.662	30.643	(0.944)	4077716	20.6832	20.7	9475
73 tert-Butylbenzene	119	31.474	31.464	(0.969)	12463514	21.1317	21.1	8630
74 1,2,4-Trimethylbenzene	105	31.601	31.592	(0.973)	14594548	20.6317	20.6	9740
75 sec-Butylbenzene	105	32.032	32.022	(0.986)	18170039	22.2793	22.3	9692
76 bis(2Chloroethyl)Ether	93	32.061	32.051	(2.046)	571698	102.148	102	9624
77 1,3-Dichlorobenzene	146	32.306	32.296	(0.995)	7749334	20.2566	20.2	9080
78 4-Isopropyltoluene	119	32.394	32.384	(0.998)	15262633	21.0070	21.0	9650
* 79 1,4 Dichlorobenzene-d4	152	32.472	32.453	(1.000)	5529838	20.0000		9049
80 1,4-Dichlorobenzene	146	32.531	32.512	(1.002)	7737187	20.4158	20.4	9233
81 n-Butylbenzene	91	33.373	33.354	(1.028)	15154858	22.4449	22.4	9472
82 1,2-Dichlorobenzene	146	33.413	33.413	(1.029)	6892075	20.1600	20.2	8967
83 1,2-Dibromo-3-chloropropane	157	35.147	35.128	(1.082)	404714	18.9662	19.0	9104
84 1,2,4-Trichlorobenzene	180	36.884	36.866	(1.136)	3445561	21.0821	21.1	8876
85 Hexachlorobutadiene	225	37.218	37.210	(1.146)	1092993	20.4704	20.5	7670
86 Napthalene	128	37.375	37.367	(1.151)	8359886	21.2243	21.2	9487
87 1,2,3-Trichlorobenzene	180	37.877	37.868	(1.166)	2836044	20.6933	20.7	8744

Data File: /var/chem/MSDA.i/1110a.b/1110_03.d
 Report Date: 13-Nov-2000 09:11

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1110_03.d
 Lab Smp Id: LCS @ 20 ppb
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB
 Method File: /var/chem/MSDA.i/1110a.b/8260.m
 Misc Info: 3;1;15;;15;;V000161MSA;

Calibration Date: 11-NOV-2000
 Calibration Time: 00:16

Level: LOW
 Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14515027	7257514	29030054	15218833	4.85
56 Chlorobenzene-d5	11192060	5596030	22384120	11646080	4.06
79 1,4 Dichlorobenze	5425182	2712591	10850364	5529838	1.93

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.62	15.12	16.12	15.67	0.29
56 Chlorobenzene-d5	25.50	25.00	26.00	25.54	0.14
79 1,4 Dichlorobenze	32.45	31.95	32.95	32.47	0.08

DB

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA.i/1110a.b/1110_03.d
 Report Date: 13-Nov-2000 09:11

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1110a
 Sample Matrix: LIQUID Fraction: VOA
 Lab Smp Id: LCS @ 20 ppb
 Level: LOW Operator: DB
 Data Type: MS DATA SampleType: LCS
 SpikeList File: voa.spk Quant Type: ISTD
 Sublist File: all.sub
 Method File: /var/chem/MSDA.i/1110a.b/8260.m
 Misc Info: 3;1;15;;15;;V000161MSA;

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
34 Benzene	20.0	20.2	100.80	70-130
57 Chlorobenzene (**S	20.0	20.0	100.24	70-130
11 1,1-Dichloroethene	20.0	19.3	96.55	70-130
46 Toluene (*CCC*)	20.0	19.2	95.80	70-130
38 Trichloroethene	20.0	19.5	97.65	70-130

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
29 Dibromofluorometha	20.0	22.7	113.38	70-130
\$ 33 1,2-Dichloroethane	20.0	21.3	106.51	70-130
\$ 45 Toluene-d8 (S)	20.0	23.4	116.81	70-130
\$ 65 4-Bromofluorobenze	20.0	22.5	112.55	70-130

DB

Data File: /var/chem/MSDA.i/1110a,b/1110_03.d

Date: 10-NOV-2000 12:09

Client ID:

Sample Info: LCS @ 20 ppb

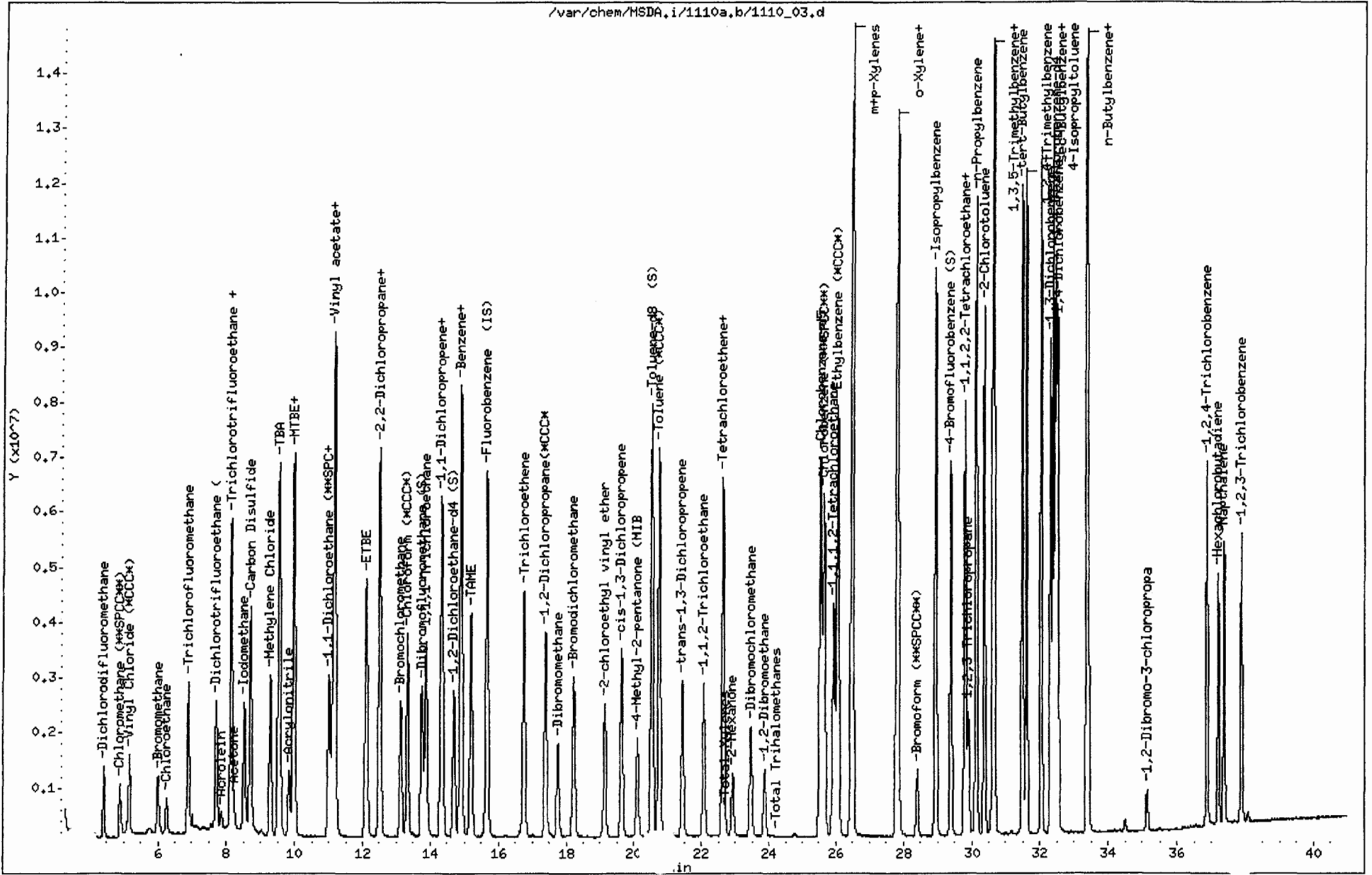
Purge Volume: 15.0

Column phase: DB-624

Instrument: MSDA.i

Operator: DB

Column diameter: 0.32



00255

Data File: /var/chem/MSDA.i/1110a.b/1110_05.d
 Report Date: 13-Nov-2000 09:12

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1110a.b/1110_05.d
 Lab Smp Id: BLANK
 Inj Date : 10-NOV-2000 13:44
 Operator : DB
 Smp Info : BLANK
 Misc Info : 3;1;15;;15;;V000161MSA
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1110a.b/8260.m
 Meth Date : 13-Nov-2000 09:11 dvb
 Cal Date : 06-NOV-2000 22:35
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1106 08.d
 QC Sample: BLANK
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

d Variable

Local Compound Variable

DB
11/13/00

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
							ON-COLUMN (ug/L)	FINAL (ug/L)	
10 Acetone	43		8.206	8.217	(0.524)	175711	6.40768	6.4077	9074
13 Carbon Disulfide	76		8.687	8.688	(0.555)	167243	0.56218	0.56218	8923
\$ 29 Dibromofluoromethane (S)	113		13.747	13.740	(0.878)	4059601	22.5783	22.6	9253
\$ 33 1,2-Dichloroethane-d4 (S)	65		14.685	14.688	(0.938)	5370760	22.7262	22.7	9411
* 37 Fluorobenzene (IS)	96		15.652	15.645	(1.000)	14366920	20.0000		9596
\$ 45 Toluene-d8 (S)	98		20.533	20.508	(1.312)	13743898	23.4363	23.4	9635
* 56 Chlorobenzene-d5	117		25.542	25.530	(1.000)	10916671	20.0000		9346
\$ 65 4-Bromofluorobenzene (S)	95		29.381	29.370	(0.905)	5649019	22.9738	23.0	8748
79 1,4 Dichlorobenzene-d4	152		32.461	32.453	(1.000)	4954763	20.0000		8842

00256

Data File: /var/chem/MSDA.i/1110a.b/1110_05.d
 Report Date: 13-Nov-2000 09:12

Caltest Analytical Laboratory
 INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1110_05.d
 Lab Smp Id: BLANK
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB
 Method File: /var/chem/MSDA.i/1110a.b/8260.m
 Misc Info: 3;1;15;;15;;V000161MSA

Calibration Date: 11-NOV-2000
 Calibration Time: 00:16
 Level: LOW
 Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I)	14515027	7257514	29030054	14366920	-1.02
56 Chlorobenzene-d5	11192060	5596030	22384120	10916671	-2.46
79 1,4 Dichlorobenze	5425182	2712591	10850364	4954763	-8.67

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I)	15.62	15.12	16.12	15.65	0.20
56 Chlorobenzene-d5	25.50	25.00	26.00	25.54	0.15
9 1,4 Dichlorobenze	32.45	31.95	32.95	32.46	0.05

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

03

Data File: /var/chem/MSDA.i/1110a.b/1110_05.d
Report Date: 13-Nov-2000 09:12

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1110a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: BLANK
Level: LOW Operator: DB
Data Type: MS DATA SampleType: BLANK
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1110a.b/8260.m
Misc Info: 3;1;15;;15;;V000161MSA

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	22.6	112.89	70-130
\$ 33 1,2-Dichloroethane	20.0	22.7	113.63	70-130
\$ 45 Toluene-d8 (S)	20.0	23.4	117.18	70-130
\$ 65 4-Bromofluorobenze	20.0	23.0	114.87	70-130 ✓

DB

Data File: /var/chem/MSDA.i/1110a,b/1110_05.d

Date : 10-NOV-2000 13:44

Client ID:

Sample Info: BLANK

Purge Volume: 15.0

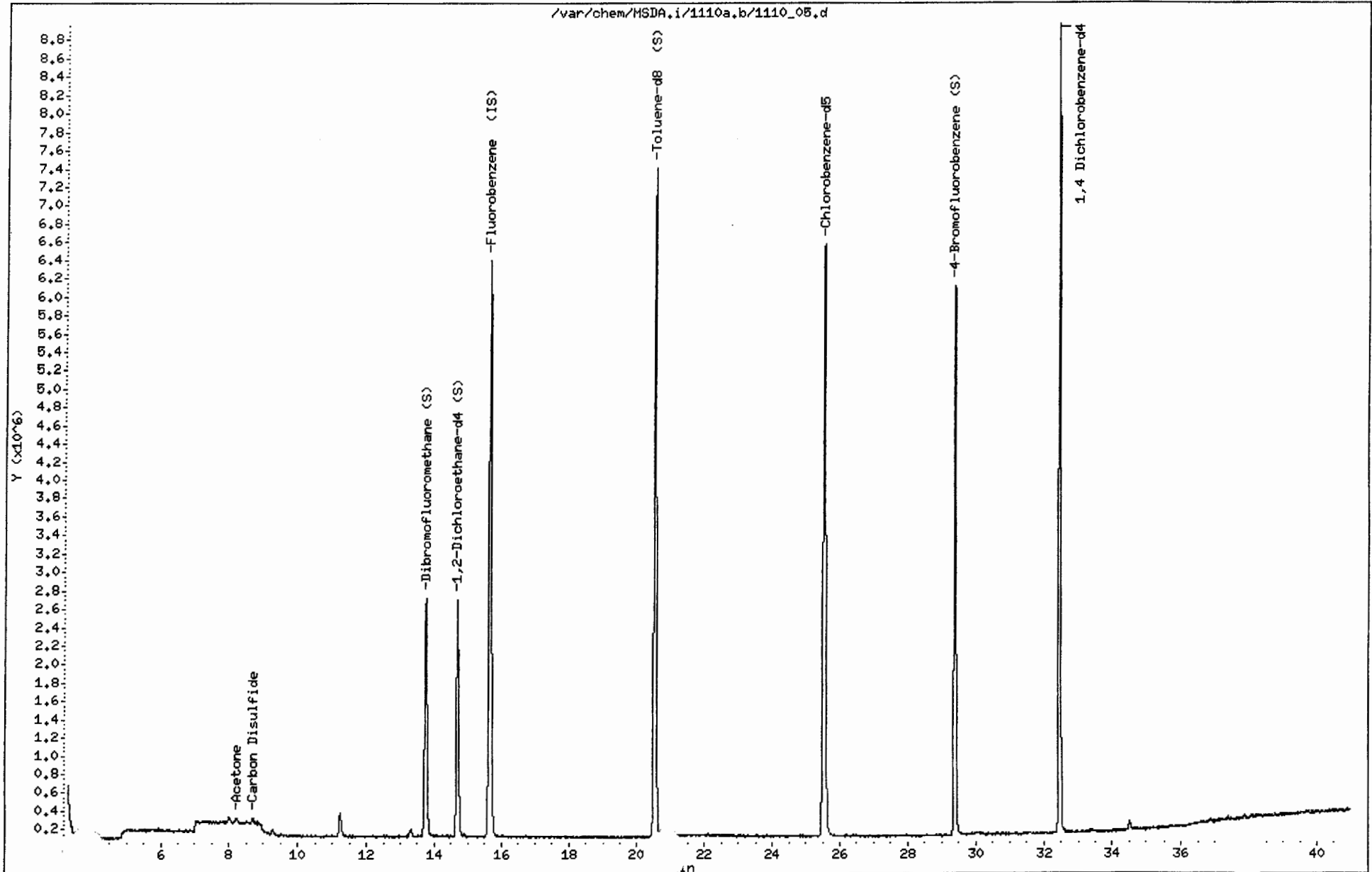
Column phase: DB-624

Instrument: MSDA.i

Operator: DB

Column diameter: 0.32

00259



Data File: /var/chem/MSDA.i/1110a.b/1110_09.d
 Report Date: 13-Nov-2000 09:13

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1110a.b/1110_09.d
 Lab Smp Id: A100792-5
 Inj Date : 10-NOV-2000 16:53
 Operator : DB
 Smp Info : A100792-5;;50x
 Misc Info : 0;1;15;;15;50;V000161MSA
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1110a.b/8260.m
 Meth Date : 13-Nov-2000 09:13 dvb
 Cal Date : 06-NOV-2000 22:35
 Als bottle: 9
 Dil Factor: 50.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1106_08.d
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

d Variable Local Compound Variable

DB
11/13/00

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN (ug/L)	FINAL (ug/L)	
\$ 29 Dibromofluoromethane (S)	113	13.745	13.740	(0.878)	4122956	22.5546	22.6	9271(a)
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.682	14.688	(0.938)	5483597	22.8231	22.8	9414(a)
* 37 Fluorobenzene (IS)	96	15.649	15.645	(1.000)	14606475	20.0000		9570
38 Trichloroethene	95	16.742	16.729	(1.070)	4749382	25.4562	1270	9213
\$ 45 Toluene-d8 (S)	98	20.519	20.508	(1.311)	14184048	23.7901	23.8	9637(a)
* 56 Chlorobenzene-d5	117	25.528	25.530	(1.000)	11116384	20.0000		9371
\$ 65 4-Bromofluorobenzene (S)	95	29.375	29.370	(0.905)	5706037	23.0598	23.0	8751(a)
* 79 1,4 Dichlorobenzene-d4	152	32.465	32.453	(1.000)	4986125	20.0000		8938

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

@Dil, Target

Data File: /var/chem/MSDA.i/1110a.b/1110_09.d
 Report Date: 13-Nov-2000 09:13

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1110_09.d
 Lab Smp Id: A100792-5
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB
 Method File: /var/chem/MSDA.i/1110a.b/8260.m
 Misc Info: 0;1;15;;15;50;V000161MSA

Calibration Date: 11-NOV-2000
 Calibration Time: 00:16

Level: LOW
 Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14515027	7257514	29030054	14606475	0.63
56 Chlorobenzene-d5	11192060	5596030	22384120	11116384	-0.68
79 1,4 Dichlorobenze	5425182	2712591	10850364	4986125	-8.09

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.62	15.12	16.12	15.65	0.18
56 Chlorobenzene-d5	25.50	25.00	26.00	25.53	0.10
79 1,4 Dichlorobenze	32.45	31.95	32.95	32.46	0.06

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

073

Data File: /var/chem/MSDA.i/1110a.b/1110_09.d
Report Date: 13-Nov-2000 09:13

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1110a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-5
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1110a.b/8260.m
Misc Info: 0;1;15;;15;50;V000161MSA

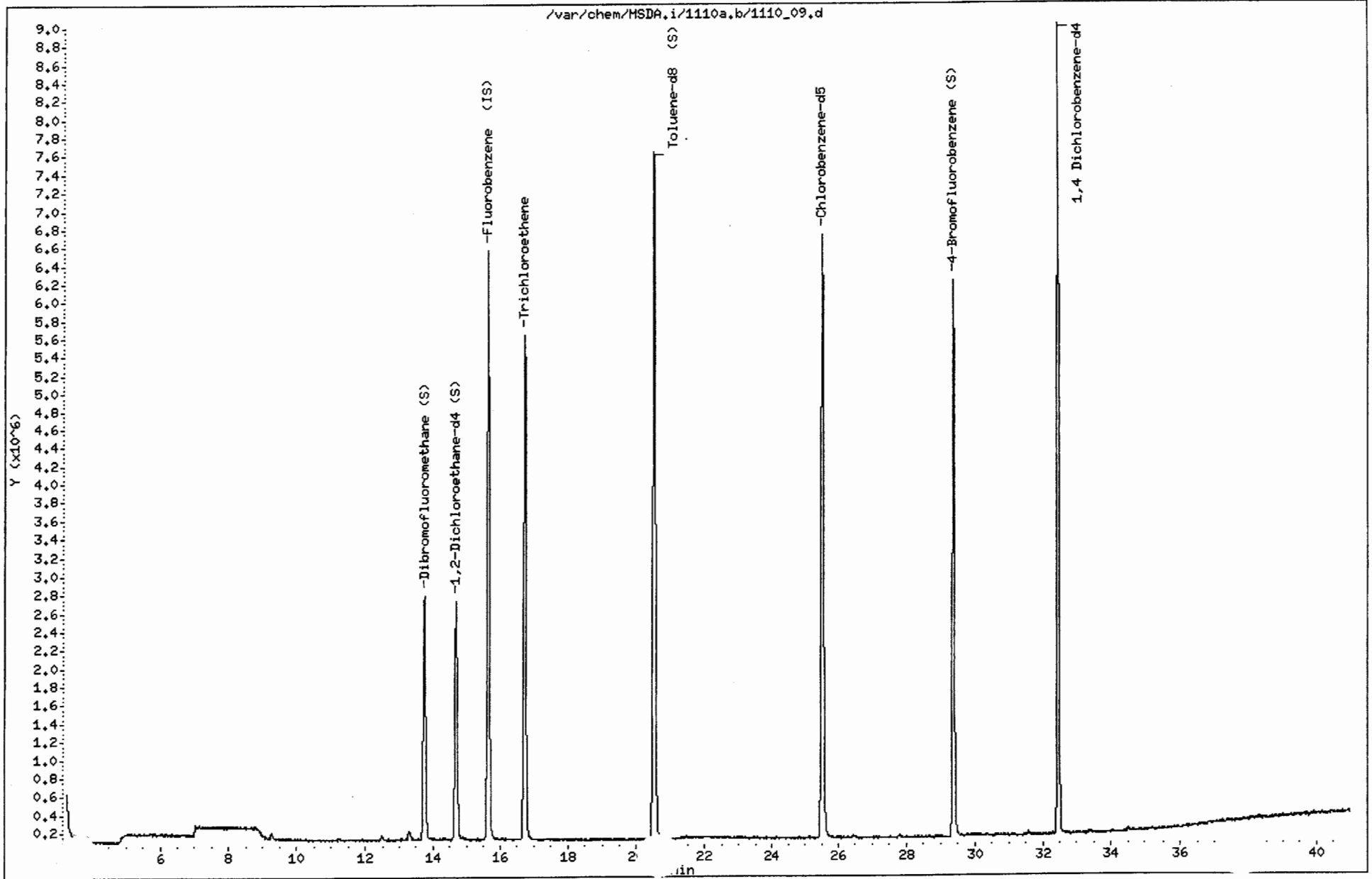
SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	22.6	112.77	70-130
\$ 33 1,2-Dichloroethane	20.0	22.8	114.12	70-130
\$ 45 Toluene-d8 (S)	20.0	23.8	118.95	70-130 ✓
\$ 65 4-Bromofluorobenze	20.0	23.0	115.30	70-130

DB

Data File: /var/chem/MSDA.i/1110a,b/1110_09.d
Date : 10-NOV-2000 16:53
Client ID:
Sample Info: A100792-5;;50x
Purge Volume: 15.0
Column phase: DB-624

Instrument: MSDA.1
Operator: DB
Column diameter: 0.32

00263



Data File: /var/chem/MSDA.i/1110a,b/1110_09.d

Date : 10-NOV-2000 16:53

Client ID:

Instrument: MSDA.i

Sample Info: A100792-5;;50x

Purge Volume: 15.0

Operator: DB

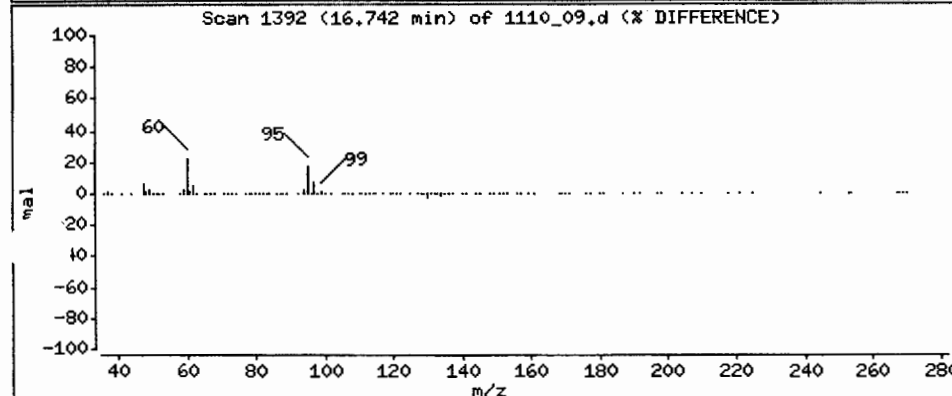
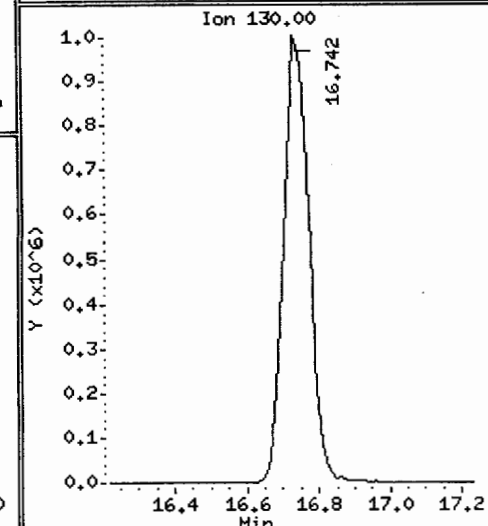
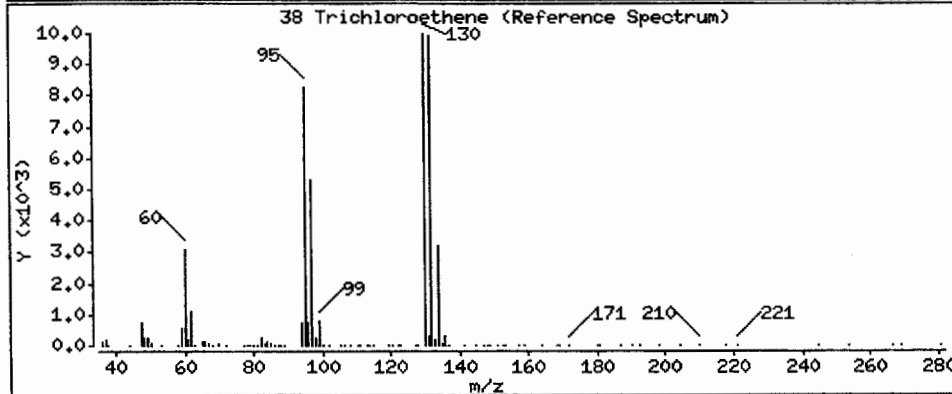
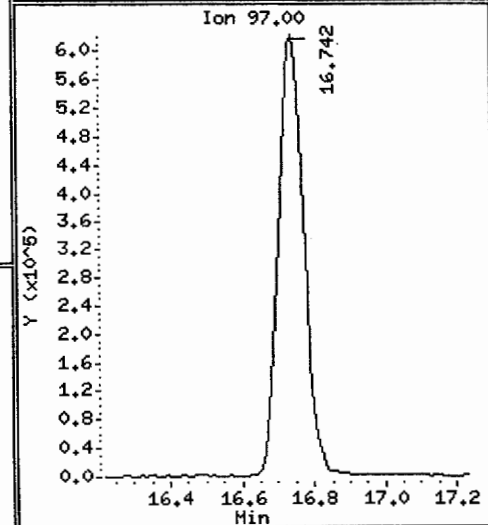
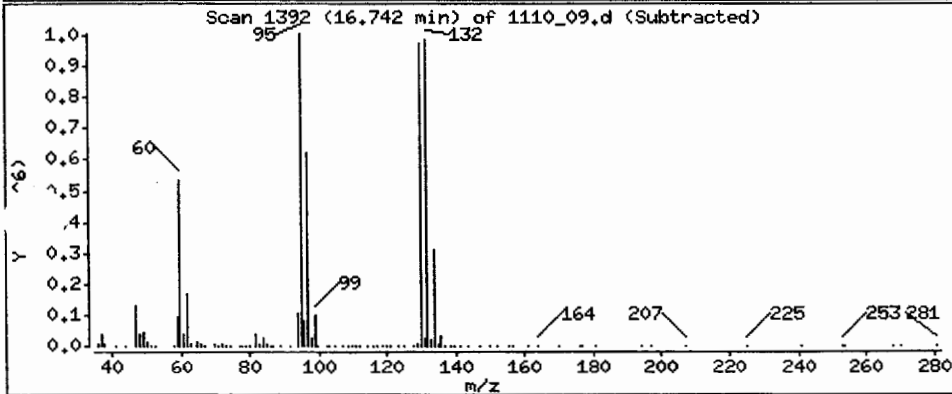
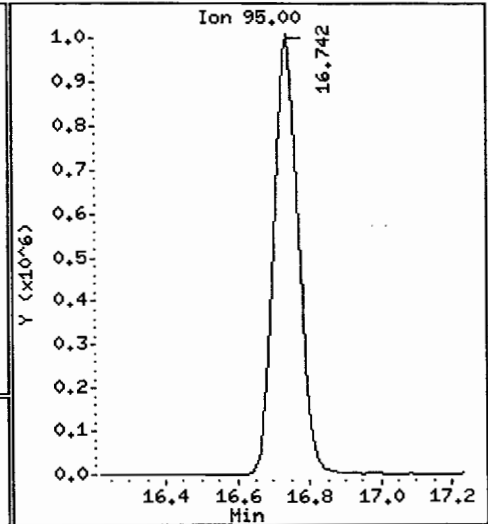
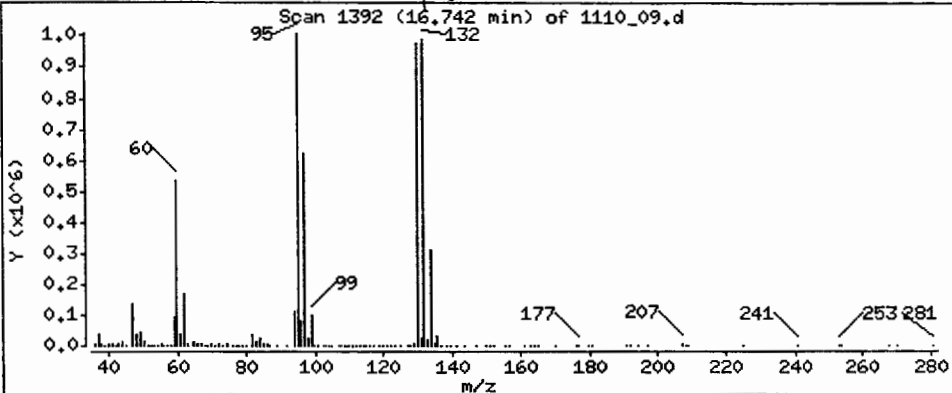
Column phase: DB-624

Column diameter: 0.32

38 Trichloroethene

Match

Concentration: 1270 ug/L



Data File: /var/chem/MSDA.i/1110a.b/1110_10.d
 Report Date: 13-Nov-2000 09:14

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1110a.b/1110_10.d
 Lab Smp Id: A100792-6
 Inj Date : 10-NOV-2000 17:40
 Operator : DB
 Smp Info : A100792-6;;50x
 Misc Info : 0;1;15;;15;50;V000161MSA
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1110a.b/8260.m
 Meth Date : 13-Nov-2000 09:13 dvb
 Cal Date : 06-NOV-2000 22:35
 Als bottle: 10
 Dil Factor: 50.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1106_08.d
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

(i Variable Local Compound Variable

DB
11/13/00

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
							ON-COLUMN (ug/L)	FINAL (ug/L)	
\$ 29 Dibromofluoromethane (S)	113		13.734	13.740	(0.878)	4070777	22.6101	22.6	9196(a)
\$ 33 1,2-Dichloroethane-d4 (S)	65		14.681	14.688	(0.938)	5298034	22.3884	22.4	9394(a)
* 37 Fluorobenzene (IS)	96		15.648	15.645	(1.000)	14386197	20.0000		9565
38 Trichloroethene	95		16.732	16.729	(1.069)	4707399	25.6175	1280	9260
\$ 45 Toluene-d8 (S)	98		20.519	20.508	(1.311)	13806943	23.5122	23.5	9603(a)
* 56 Chlorobenzene-d5	117		25.528	25.530	(1.000)	10953391	20.0000		9382
\$ 65 4-Bromofluorobenzene (S)	95		29.375	29.370	(0.905)	5626393	23.2642	23.3	8814(a)
* 79 1,4 Dichlorobenzene-d4	152		32.455	32.453	(1.000)	4873332	20.0000		8816

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

e Dil. Target

Data File: /var/chem/MSDA.i/1110a.b/1110_10.d
 Report Date: 13-Nov-2000 09:14

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1110_10.d
 Lab Smp Id: A100792-6
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB
 Method File: /var/chem/MSDA.i/1110a.b/8260.m
 Misc Info: 0;1;15;;15;50;V000161MSA

Calibration Date: 11-NOV-2000
 Calibration Time: 00:16
 Level: LOW
 Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14515027	7257514	29030054	14386197	-0.89
56 Chlorobenzene-d5	11192060	5596030	22384120	10953391	-2.13
79 1,4 Dichlorobenze	5425182	2712591	10850364	4873332	-10.17

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.62	15.12	16.12	15.65	0.17
56 Chlorobenzene-d5	25.50	25.00	26.00	25.53	0.09
9 1,4 Dichlorobenze	32.45	31.95	32.95	32.45	0.03

DB

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA.i/1110a.b/1110_10.d
Report Date: 13-Nov-2000 09:14

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1110a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-6
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1110a.b/8260.m
Misc Info: 0;1;15;;15;50;V000161MSA

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	22.6	113.05	70-130
\$ 33 1,2-Dichloroethane	20.0	22.4	111.94	70-130
\$ 45 Toluene-d8 (S)	20.0	23.5	117.56	70-130
\$ 65 4-Bromofluorobenze	20.0	23.3	116.32	70-130

DB

Data File: /var/chem/MSDA.i/1110a,b/1110_10.d

Date : 10-NOV-2000 17:40

Client ID:

Sample Info: A100792-6;;50x

Purge Volume: 15.0

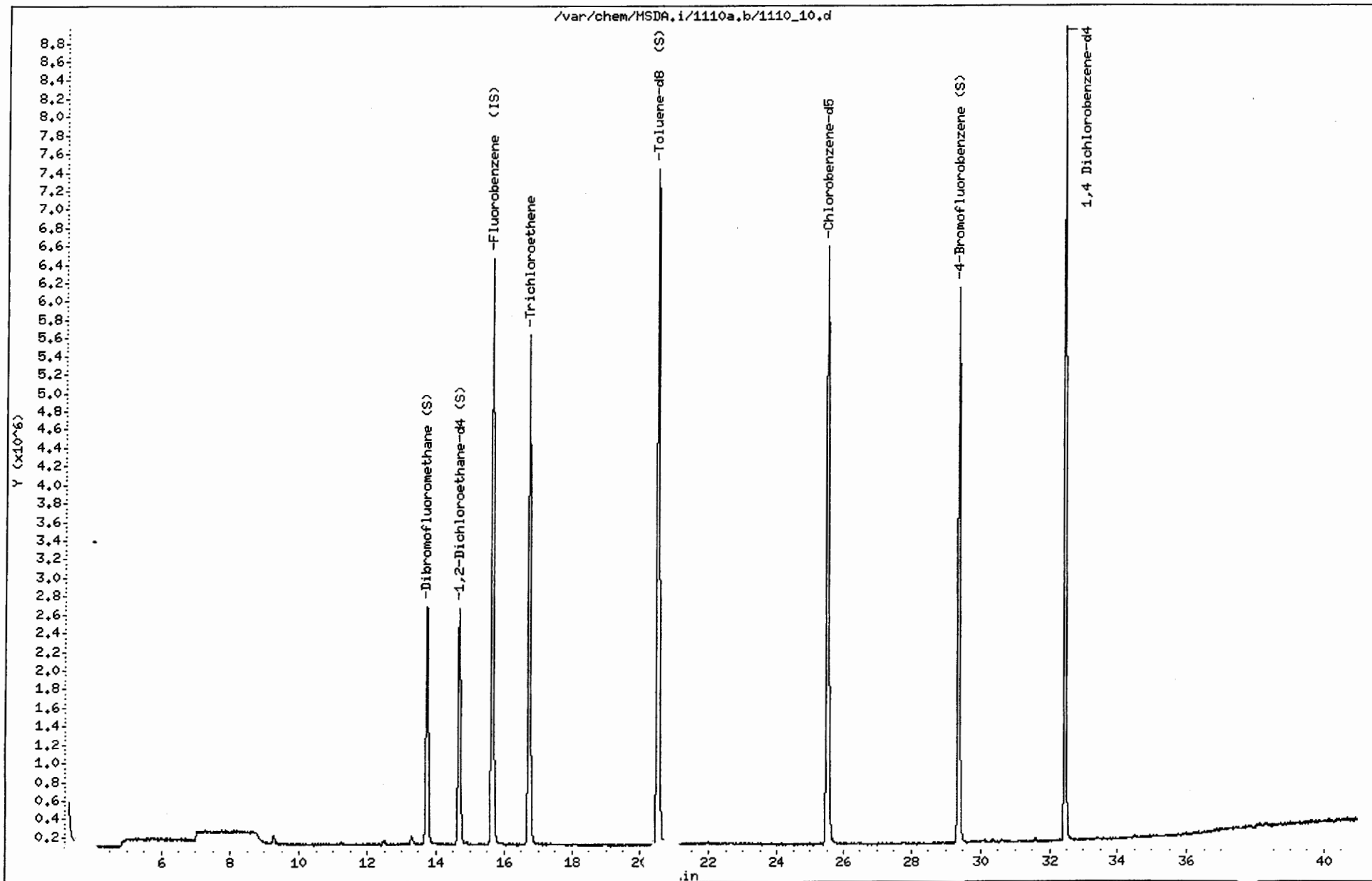
Column phase: DB-624

Instrument: MSDA.i

Operator: DB

Column diameter: 0,32

00268



Data File: /var/chem/MSDA.i/1110a.b/1110_10.d

Date : 10-NOV-2000 17:40

Client ID:

Instrument: MSDA.i

Sample Info: A100792-6;;50x

Purge Volume: 15.0

Operator: DB

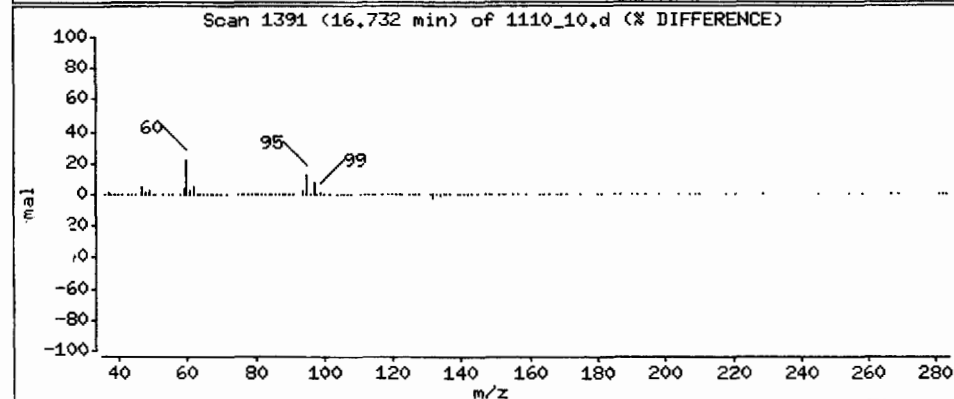
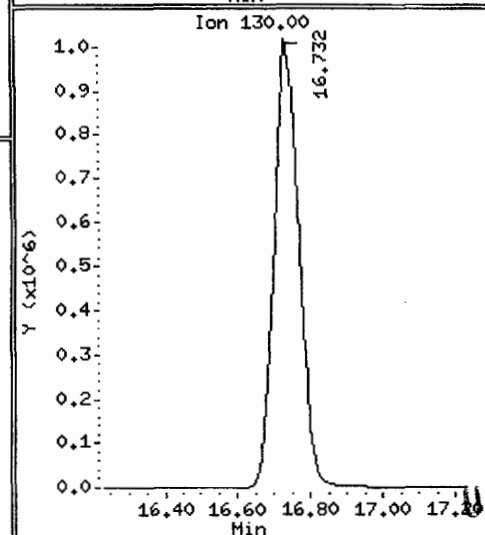
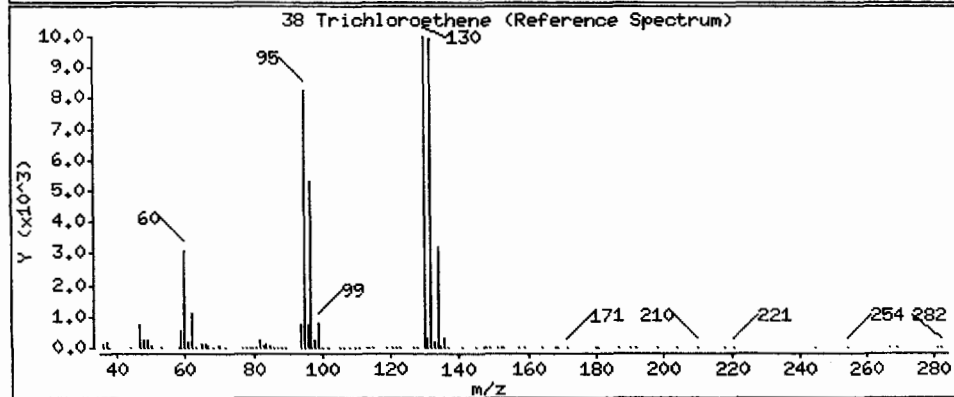
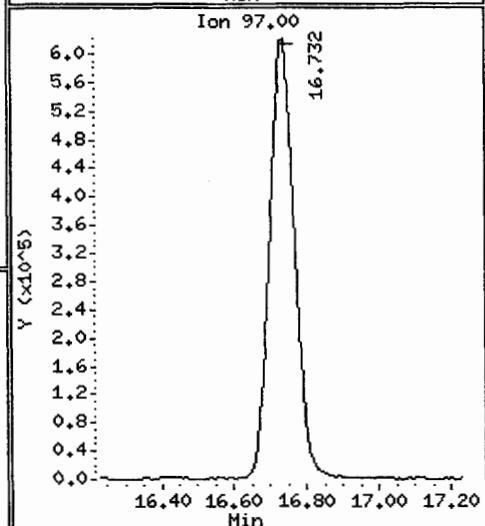
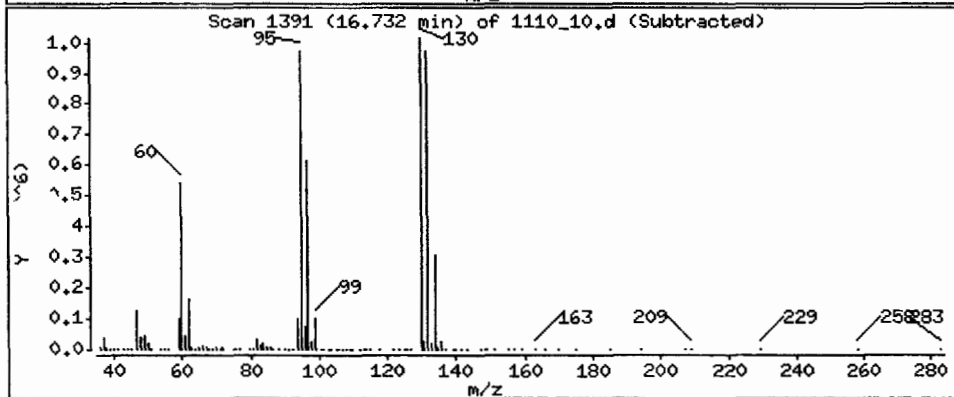
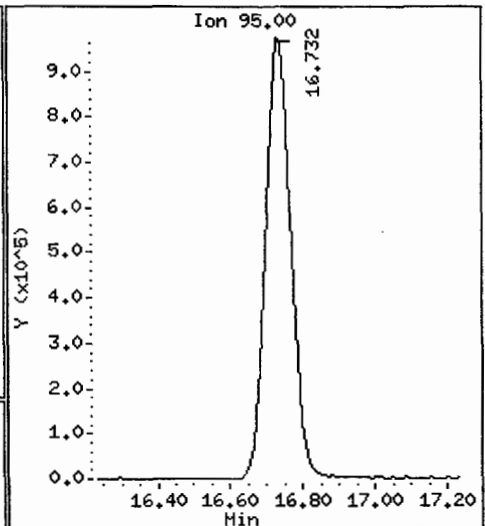
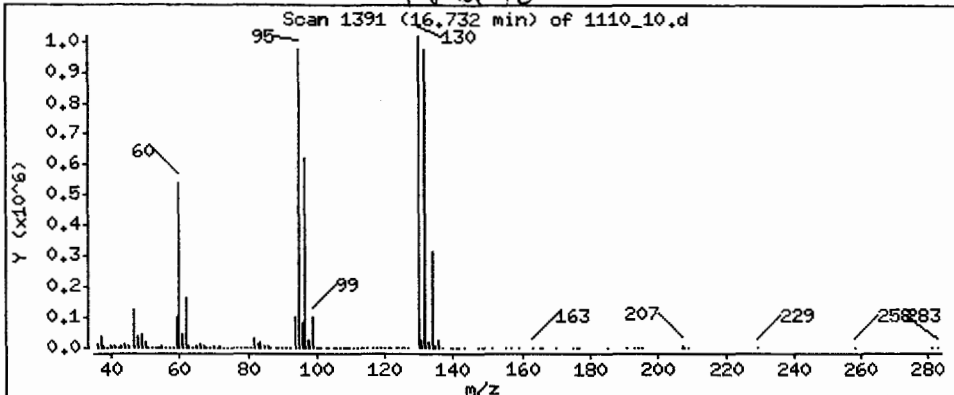
Column phase: DB-624

Column diameter: 0.32

38 Trichloroethene

Concentration: 1280 ug/L

Match



10269

Data File: /var/chem/MSDA.i/1110a.b/1110_06.d
 Report Date: 13-Nov-2000 09:13

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1110a.b/1110_06.d
 Lab Smp Id: A100792-7
 Inj Date : 10-NOV-2000 14:31
 Operator : DB Inst ID: MSDA.i
 Smp Info : A100792-7
 Misc Info : 0;1;15;;15;;V000161MSA
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1110a.b/8260.m
 Meth Date : 13-Nov-2000 09:13 dvb Quant Type: ISTD
 Cal Date : 06-NOV-2000 22:35 Cal File: 1106_08.d
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

d Variable Local Compound Variable

DB
11/13/00

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN (ug/L)	FINAL (ug/L)	
18 trans-1,2-Dichloroethene	96	9.967	9.960	(0.636)	551005	3.40871	3.4087	8814
26 cis 1,2-Dichloroethene	96	12.496	12.480	(0.798)	1628848	9.22519	9.2252	8138
\$ 29 Dibromofluoromethane (S)	113	13.746	13.740	(0.878)	4055964	22.6299	22.6	9148
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.693	14.688	(0.938)	5366773	22.7816	22.8	9392
* 37 Fluorobenzene (IS)	96	15.660	15.645	(1.000)	14321342	20.0000		9588
38 Trichloroethene	95	16.744	16.729	(1.069)	8067639	44.1026	44.1	9260
\$ 45 Toluene-d8 (S)	98	20.531	20.508	(1.311)	13985035	23.9234	23.9	9604
* 56 Chlorobenzene-d5	117	25.540	25.530	(1.000)	11023370	20.0000		9376
\$ 65 4-Bromofluorobenzene (S)	95	29.388	29.370	(0.905)	5670035	23.0621	23.1	8835
* 79 1,4 Dichlorobenzene-d4	152	32.468	32.453	(1.000)	4954160	20.0000		8860

Data File: /var/chem/MSDA.i/1110a.b/1110_06.d
 Report Date: 13-Nov-2000 09:13

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1110_06.d
 Lab Smp Id: A100792-7
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB

Calibration Date: 11-NOV-2000
 Calibration Time: 00:16

Level: LOW
 Sample Type: WATER

Method File: /var/chem/MSDA.i/1110a.b/8260.m
 Misc Info: 0;1;15;;15;;V000161MSA

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	14515027	7257514	29030054	14321342	-1.33
56 Chlorobenzene-d5	11192060	5596030	22384120	11023370	-1.51
79 1,4 Dichlorobenze	5425182	2712591	10850364	4954160	-8.68

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.62	15.12	16.12	15.66	0.25
56 Chlorobenzene-d5	25.50	25.00	26.00	25.54	0.14
9 1,4 Dichlorobenze	32.45	31.95	32.95	32.47	0.07

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

DB

Data File: /var/chem/MSDA.i/1110a.b/1110_06.d
Report Date: 13-Nov-2000 09:13

Caltest Analytical Laboratory

RECOVERY REPORT

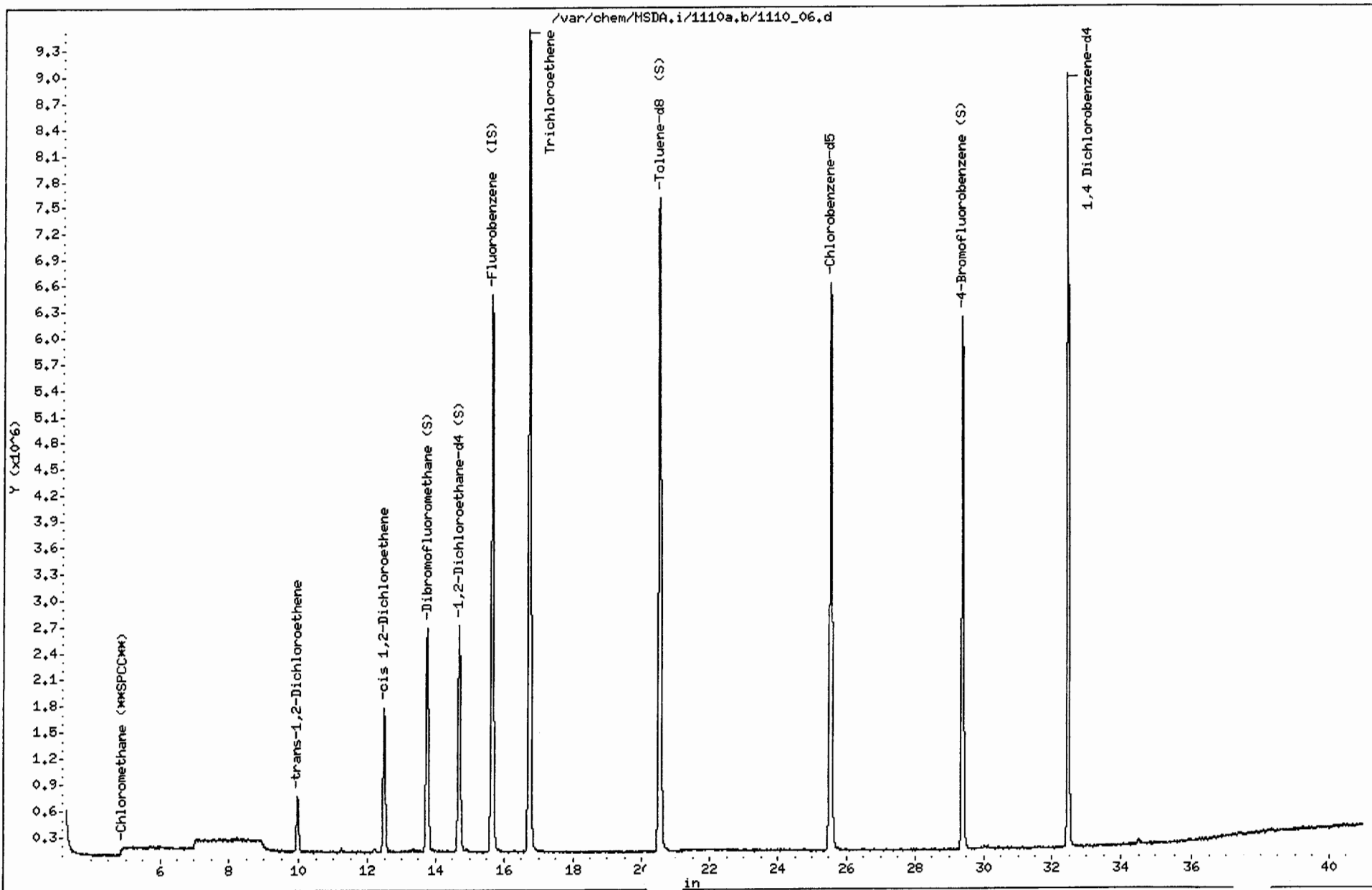
Client Name: Client SDG: 1110a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-7
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1110a.b/8260.m
Misc Info: 0;1;15;;15;;V000161MSA

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	22.6	113.15	70-130
\$ 33 1,2-Dichloroethane	20.0	22.8	113.91	70-130
\$ 45 Toluene-d8 (S)	20.0	23.9	119.62	70-130
\$ 65 4-Bromofluorobenze	20.0	23.1	115.31	70-130

DB

Data File: /var/chem/MSDA.i/1110a,b/1110_06.d
Date : 10-NOV-2000 14:31
Client ID:
Sample Info: A100792-7
Purge Volume: 15.0
Column phase: DB-624

Instrument: MSDA.i
Operator: DB
Column diameter: 0.32



Data File: /var/chem/MSDA.i/1110a.b/1110_06.d

Date: 10-NOV-2000 14:31

Client ID:

Instrument: MSDA.i

Sample Info: A100792-7

Purge Volume: 15.0

Operator: DB

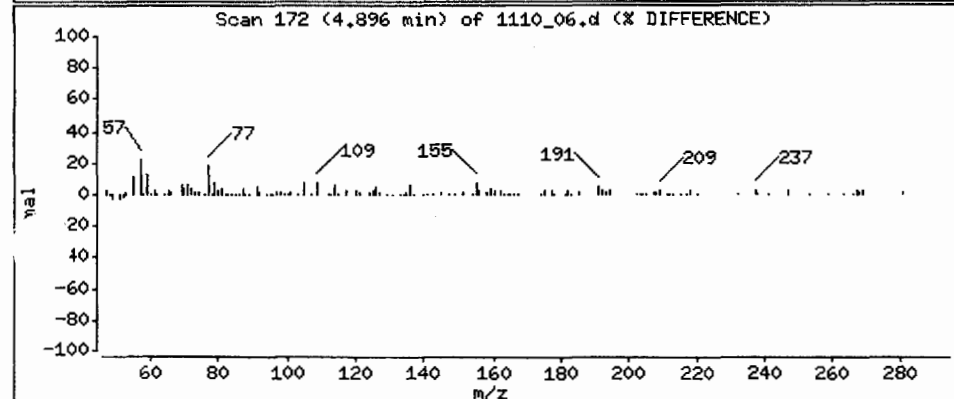
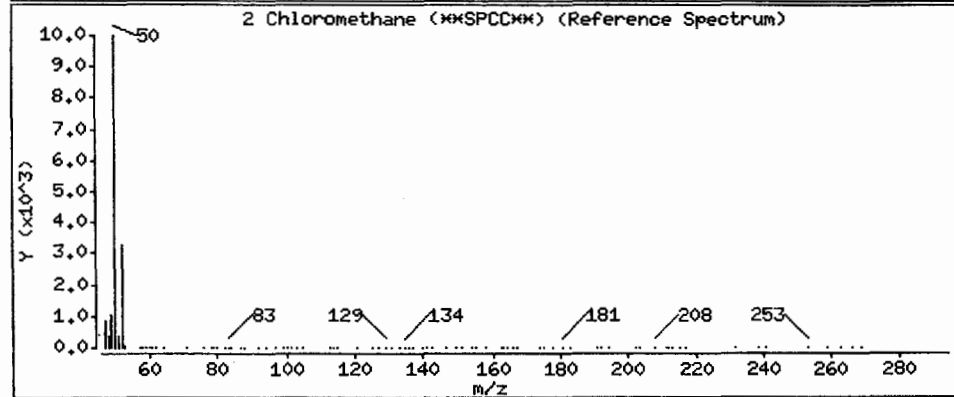
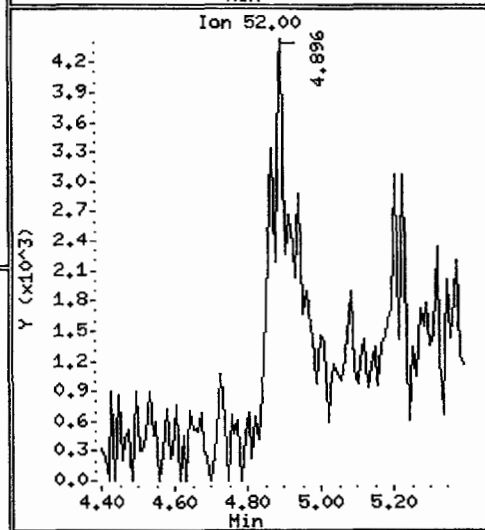
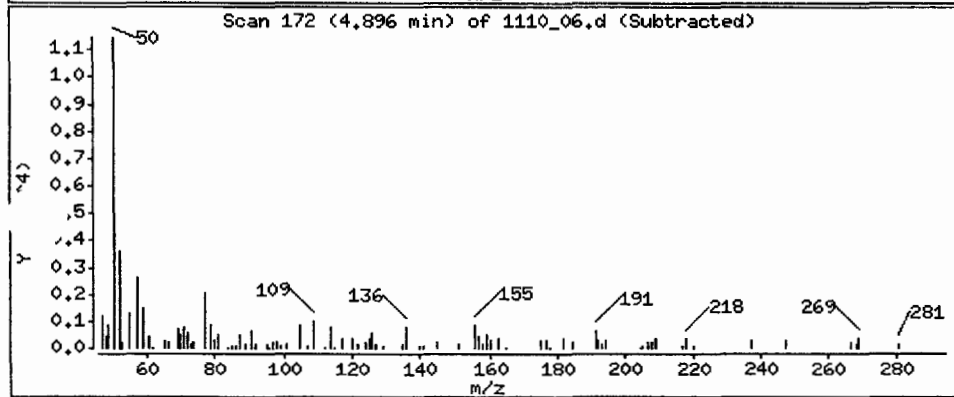
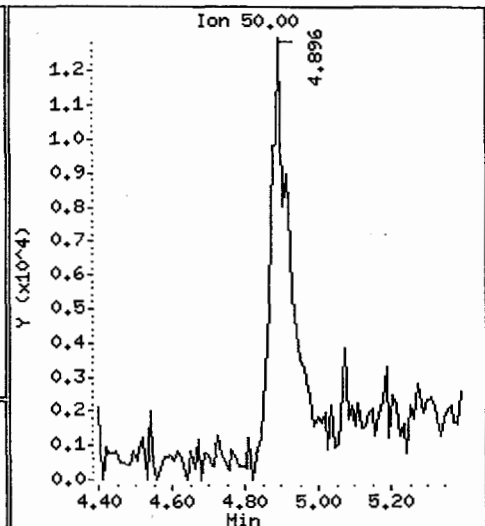
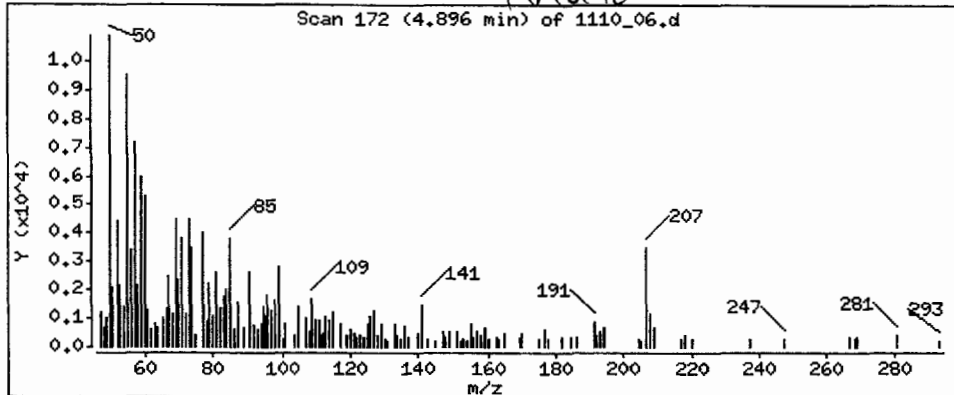
Column phase: DB-624

Column diameter: 0.32

2 Chloromethane (MSDC)

Concentration: 0.47338 ug/L

Match



00274

Data File: /var/chem/MSDA.i/1110a,b/1110_06.d

Date: 10-NOV-2000 14:31

Client ID:

Instrument: MSDA.i

Sample Info: A100792-7

Purge Volume: 15.0

Operator: DB

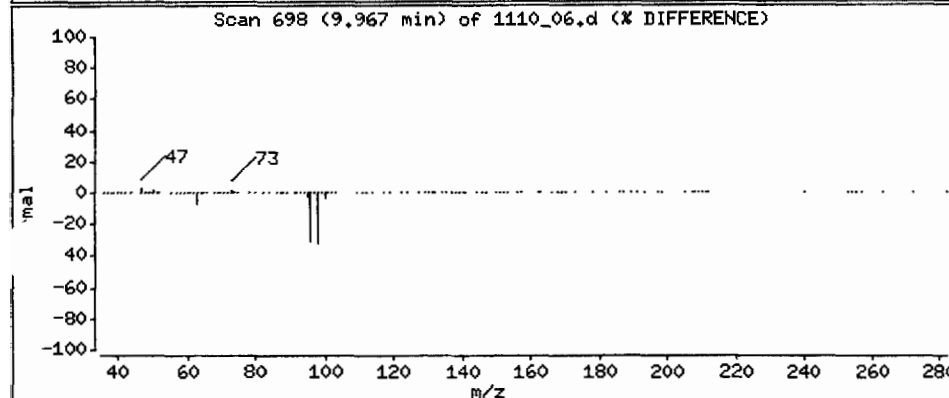
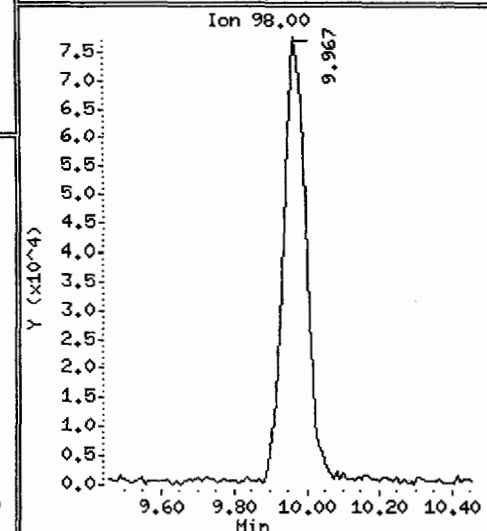
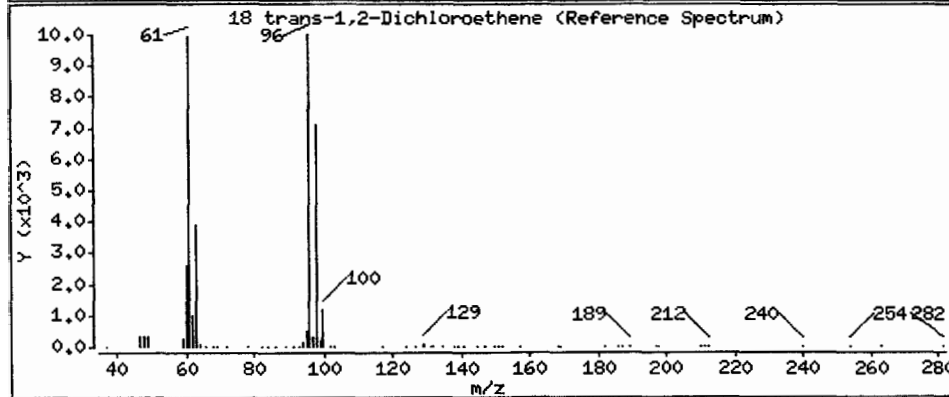
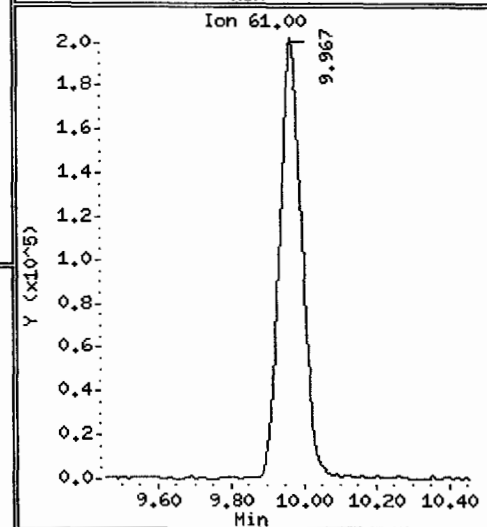
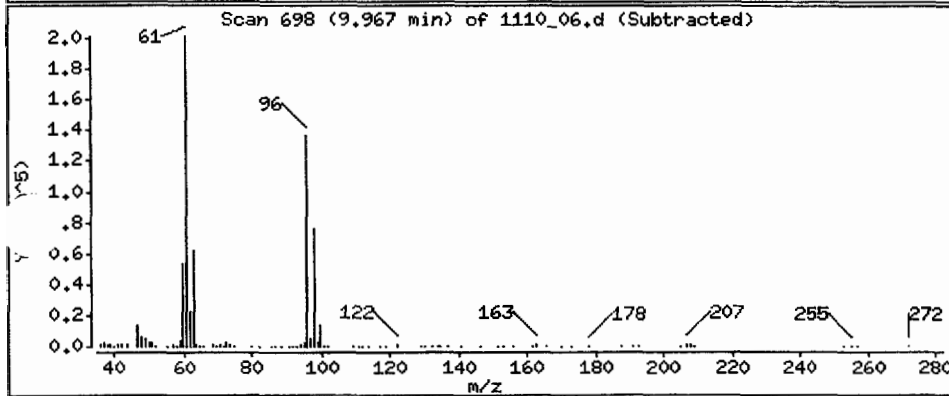
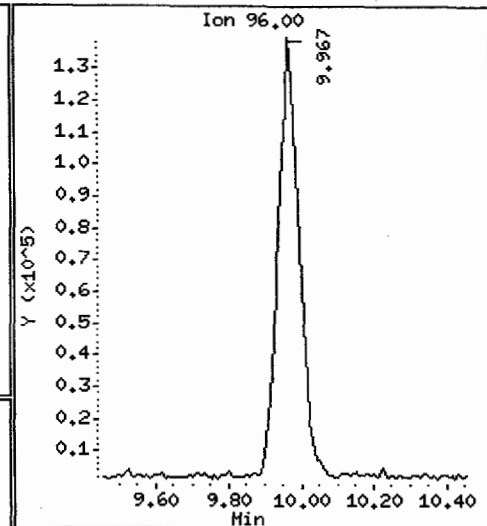
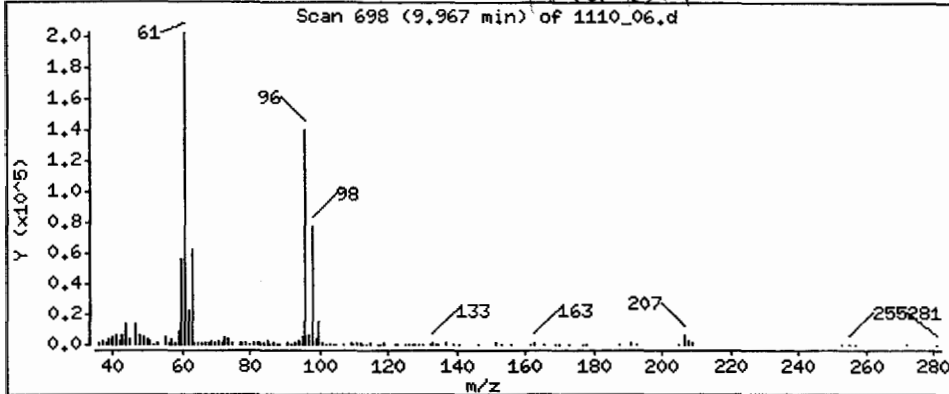
Column phase: DB-624

Column diameter: 0.32

18 trans-1,2-Dichloroethene

Match

Concentration: 3.4087 ug/L



Data File: /var/chem/HSDA,i/1110a,b/1110_06.d

Date : 10-NOV-2000 14:31

lient ID:

Instrument: HSDA,i

Sample Info: A100792-7

Purge Volume: 15.0

Operator: DB

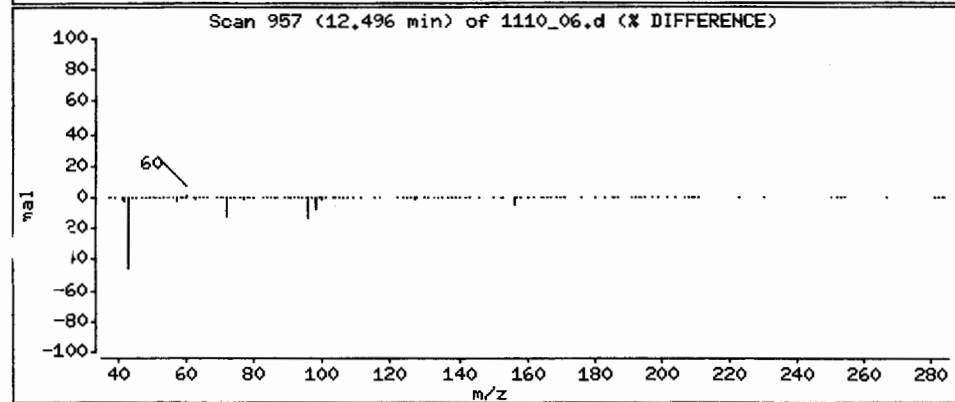
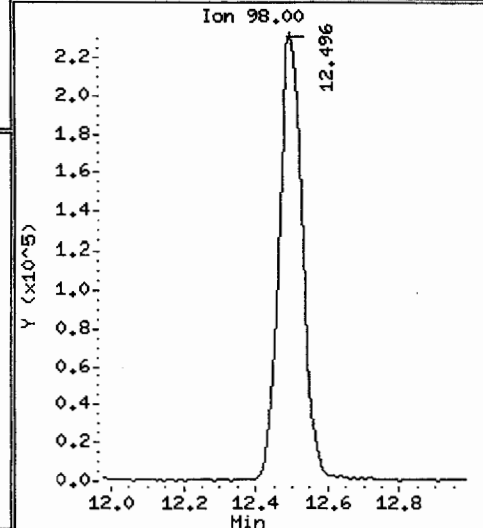
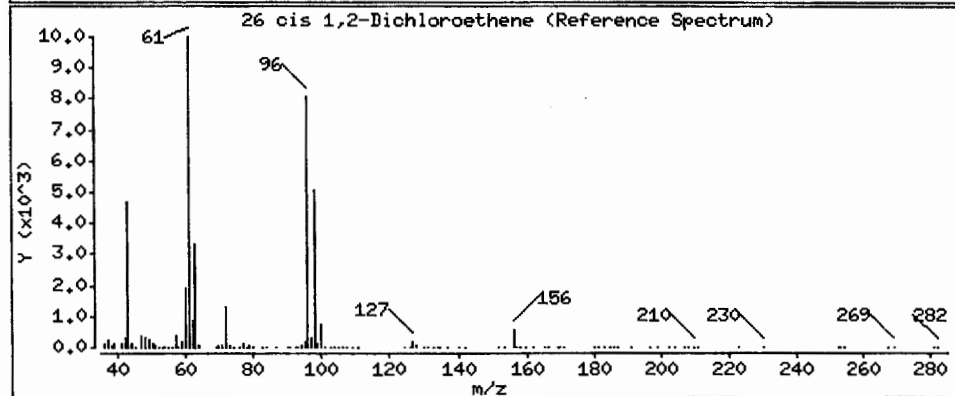
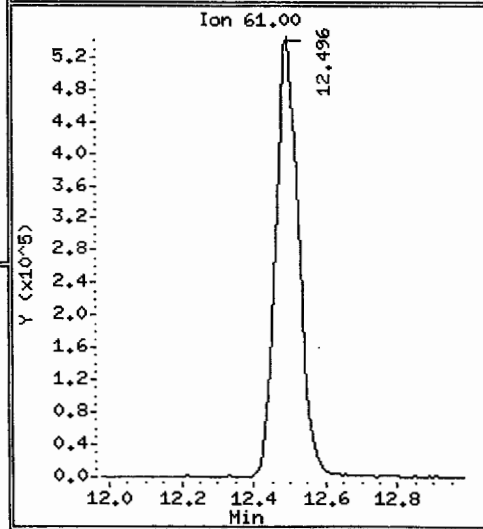
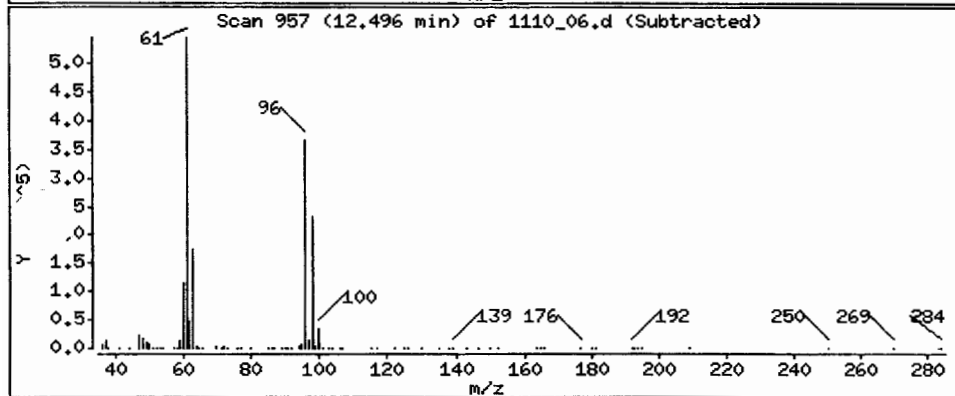
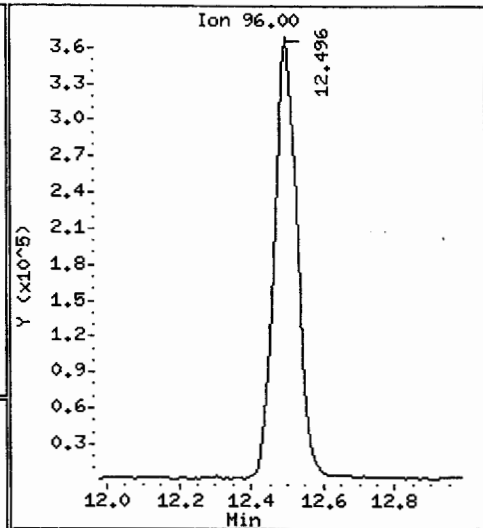
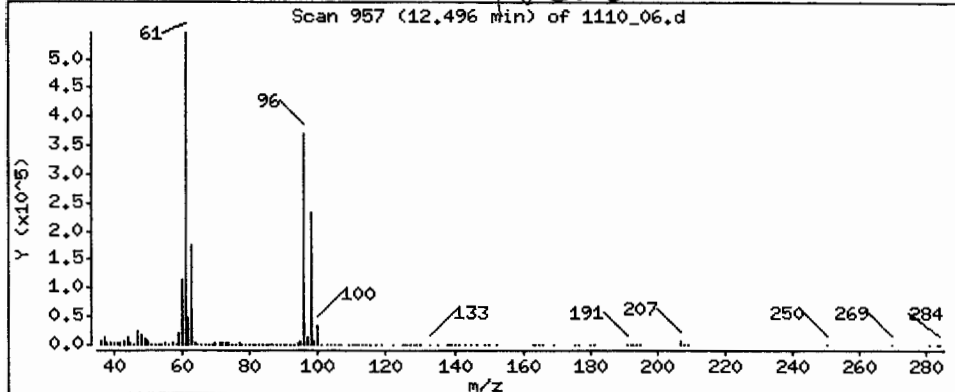
Column phase: DB-624

Column diameter: 0.32

26 cis 1,2-Dichloroethene

Match

Concentration: 9.2252 ug/L



Data File: /var/chem/MSDA,i/1110a,b/1110_06.d

Date : 10-NOV-2000 14:31

Client ID:

Instrument: MSDA.i

Sample Info: A100792-7

Purge Volume: 15.0

Operator: DB

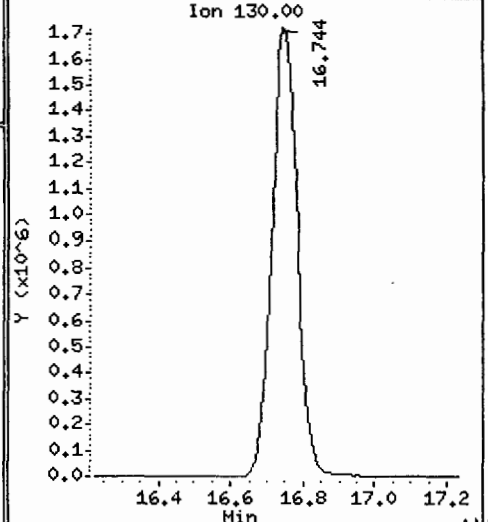
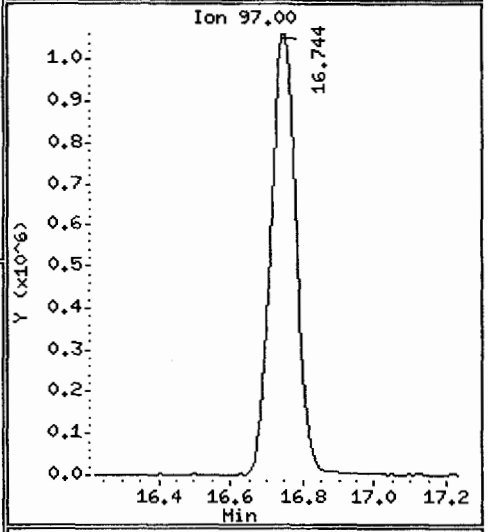
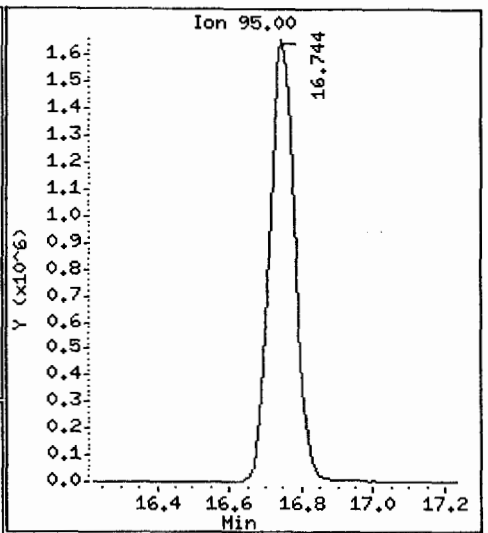
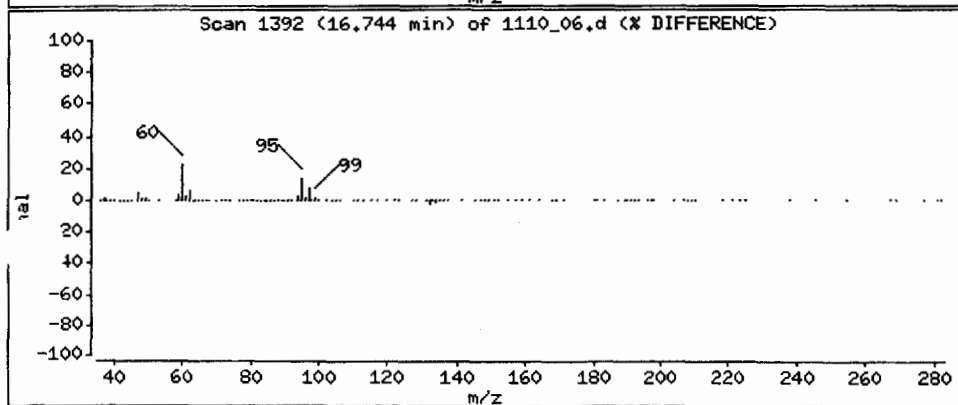
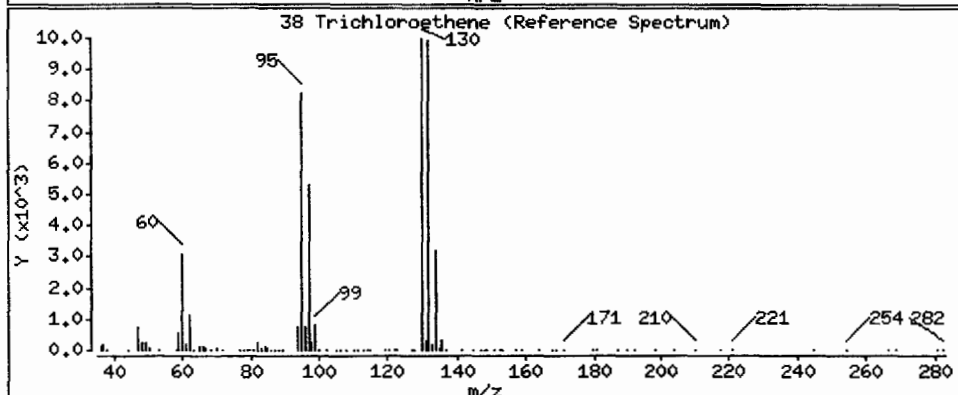
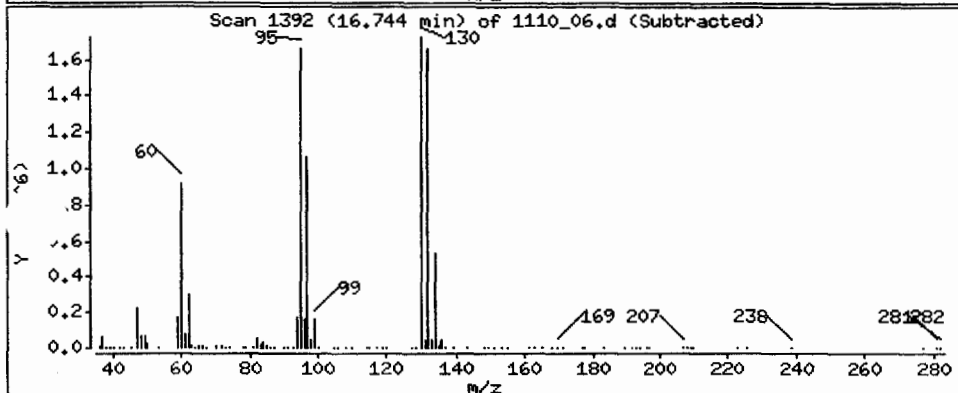
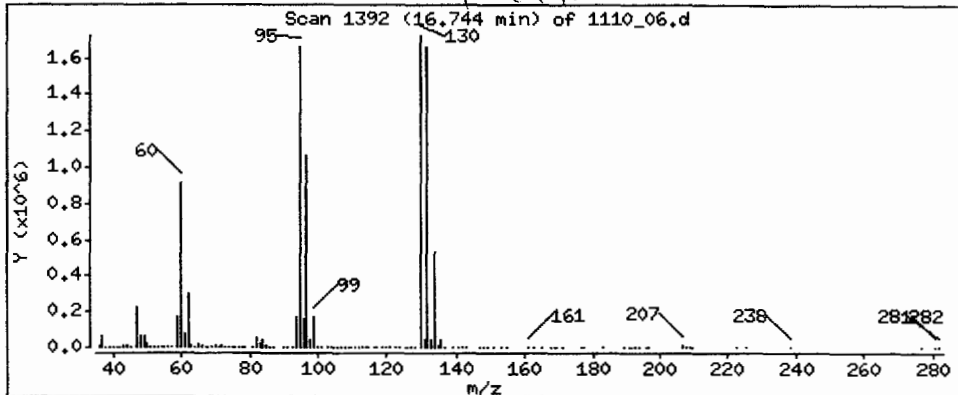
Column phase: DB-624

Column diameter: 0.32

38 Trichloroethene

Concentration: 44.1 ug/L

Match



Data File	Date-Time	Sample ID	Batch-Std ID	Matrix	Sublist	Run Comments (pH)
1113_01.d	13-NOV-2000 08:00	BFB	1113a	AIR	all	Pass
1113_02.d	13-NOV-2000 08:34	CCV @ 20 ppb	V110100-8	WATER	all	Fail
1113_03.d	13-NOV-2000 09:22	LCS @ 20 ppb	V000162MSA	WATER	all	
1113_04.d	13-NOV-2000 10:37	CCV @ 20 ppb	V110100-8	WATER	all	Fail
1113_05.d	13-NOV-2000 11:24	LCS @ 20 ppb	V000162MSA	WATER	all	
1113_06.d	13-NOV-2000 12:11	BLANK	V000162MSA	WATER	all	
1113_07.d	13-NOV-2000 12:58	BLANK	V000162MSA	WATER	all	
1113_08.d	13-NOV-2000 14:55	BFB	1113a	AIR	all	Pass
1113_09.d	13-NOV-2000 15:29	CCV @ 20 ppb	V110100-8	WATER	all	Fail
1113_10.d	13-NOV-2000 16:16	LCS @ 20 ppb	V000162MSA	WATER	all	
1113_11.d	13-NOV-2000 17:43	isnt blank	1113a	WATER	all	
1113_12.d	13-NOV-2000 18:31	ICAL @ 0.5ppb	V110100-8	WATER	all	Curve Good
1113_13.d	13-NOV-2000 19:19	ICAL @ 0.5ppb	V110100-8	WATER	all	
1113_14.d	13-NOV-2000 20:06	ICAL @ 1.0ppb	V110100-8	WATER	all	
1113_15.d	13-NOV-2000 20:53	ICAL @ 2.0ppb	V110100-8	WATER	all	
1113_16.d	13-NOV-2000 21:39	ICAL @ 5.0ppb	V110100-8	WATER	all	
1113_17.d	13-NOV-2000 22:27	ICAL @ 10.0ppb	V110100-8	WATER	all	
1113_18.d	13-NOV-2000 23:14	ICAL @ 20.0ppb	V110100-8	WATER	all	
1113_19.d	14-NOV-2000 00:01	ICAL @ 40.0ppb	V110100-8	WATER	all	
1113_20.d	14-NOV-2000 00:48	ICAL @ 60.0ppb	V110100-8	WATER	all	
1113_21.d	14-NOV-2000 01:35	ICAL @ 80.0ppb	V110100-8	WATER	all	
1113_22.d	14-NOV-2000 02:23	8260 2* @ 20ppb	1113a	WATER	all	

COLUMNS: DB-624 METHODS: 8260.M ISTD: V103000-2

OPERATOR: DB

Sequence Comments: BFB = V072100-2 Surr calib. std = V102800-1

8260^U std = V110100-8 Surr std = V103000-4

8260 Gases = V102200-1

Data File: /var/chem/MSDA.i/1113a,b/1113_08.d

Date : 13-NOV-2000 14:55

Client ID:

Instrument: MSDA.i

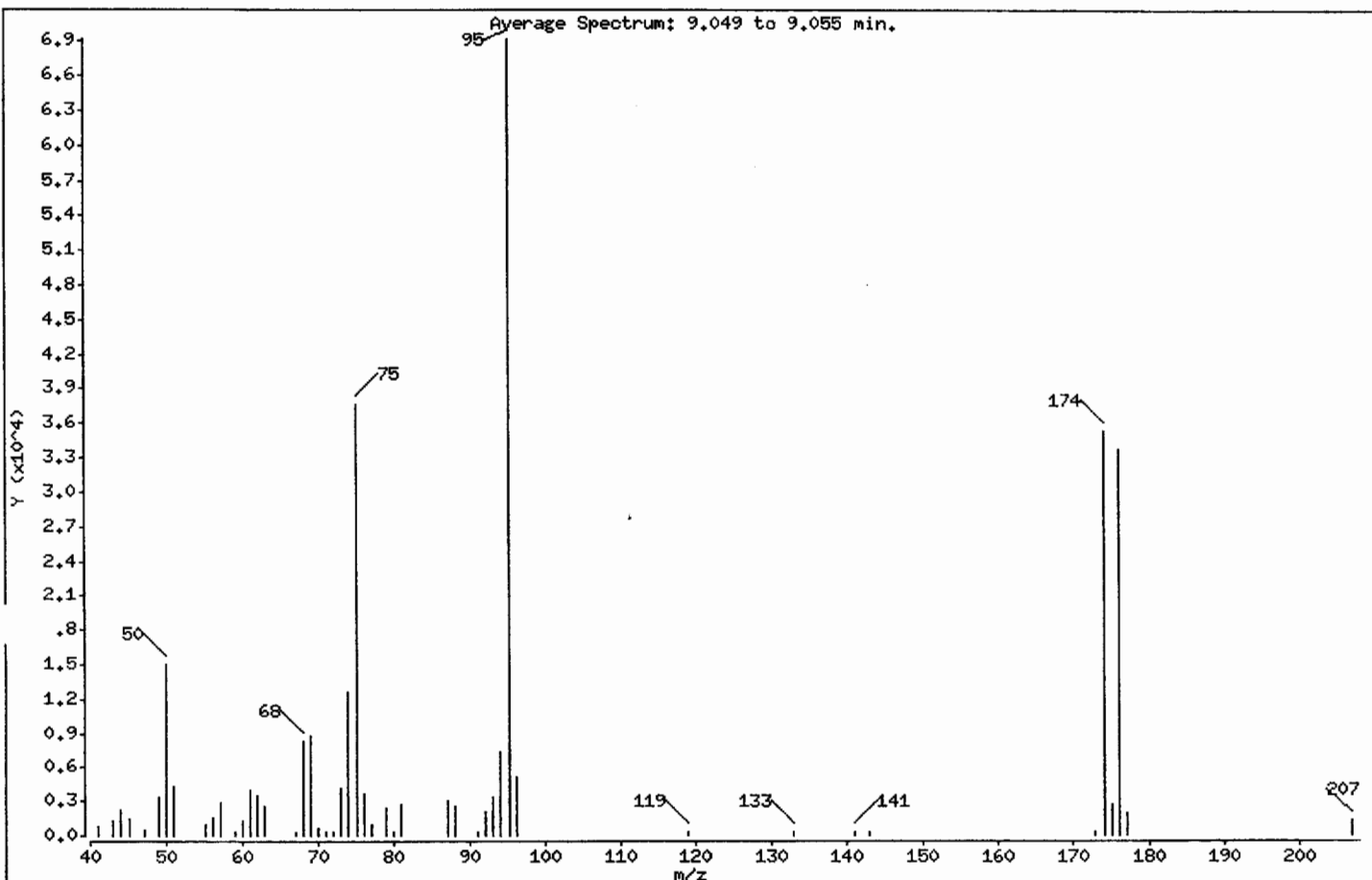
Sample Info: BFB

Operator: DB

Column phase:

Column diameter: 2.00

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.73
75	30.00 - 60.00% of mass 95	54.42
96	5.00 - 9.00% of mass 95	7.43
173	Less than 2.00% of mass 174	0.55 (1.09)
174	Greater than 50.00% of mass 95	50.84
175	5.00 - 9.00% of mass 174	3.89 (7.65)
176	95.00 - 101.00% of mass 174	48.65 (95.69)
177	5.00 - 9.00% of mass 176	2.83 (5.82)

Data File: /var/chem/MSDA.i/1113a,b/1113_08.d

Date : 13-NOV-2000 14:55

Client ID:

Sample Info: BFB

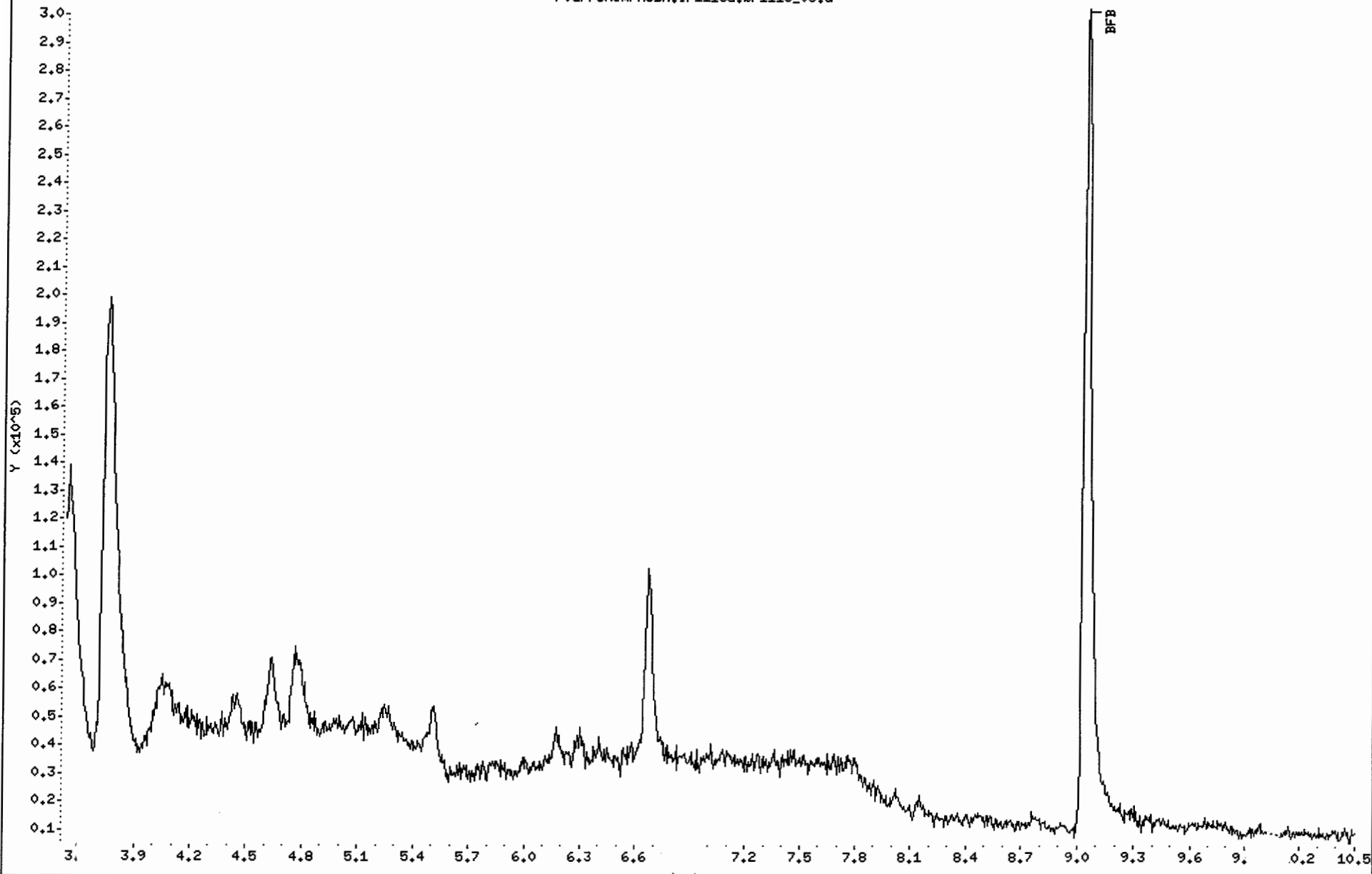
Instrument: MSDA.i

Operator: DB

Column diameter: 2.00

Column phase:

/var/chem/MSDA.i/1113a,b/1113_08.d



00200

Report Date : 16-Nov-2000 11:45

Caltest Analytical Laboratory

INITIAL CALIBRATION DATA

Start Cal Date : 13-NOV-2000 19:19
 End Cal Date : 14-NOV-2000 01:35
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /var/chem/MSDA.i/1113a.b/8260.m
 Cal Date : 14-Nov-2000 08:35 dvb
 Curve Type : Average

Calibration File Names:

Level 1: /var/chem/MSDA.i/1113a.b/1113_13.d
 Level 2: /var/chem/MSDA.i/1113a.b/1113_14.d
 Level 3: /var/chem/MSDA.i/1113a.b/1113_15.d
 Level 4: /var/chem/MSDA.i/1113a.b/1113_16.d
 Level 5: /var/chem/MSDA.i/1113a.b/1113_17.d
 Level 6: /var/chem/MSDA.i/1113a.b/1113_18.d
 Level 7: /var/chem/MSDA.i/1113a.b/1113_19.d
 Level 8: /var/chem/MSDA.i/1113a.b/1113_20.d
 Level 9: /var/chem/MSDA.i/1113a.b/1113_21.d

Compound	0.50000	1.000	2.000	5.000	10.000	20.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	40.000	60.000	80.000					
	Level 7	Level 8	Level 9					
1 Dichlorodifluoromethane	0.17590 0.21204	0.18290 0.21230	0.19046 0.19901	0.18003	0.22155	0.22617	0.20004	9.368
2 Chloromethane (**SPCC**)	0.18741 0.21581	0.14151 0.22186	0.15754 0.22268	0.15744	0.19448	0.21057	0.18992	16.297 <-
3 Vinyl Chloride (*CCC*)	0.19353 0.23410	0.18434 0.23906	0.18964 0.23164	0.18273	0.23021	0.24569	0.21455	12.196
4 Bromomethane	0.17393 0.11511	0.15477 0.12573	0.15562 0.12151	0.11393	0.11879	0.11704	0.13294	16.790 <-
5 Chloroethane	0.06950 0.09584	0.07091 0.11229	0.08191 0.10942	0.06774	0.09270	0.09143	0.08797	18.962 <-
6 Trichlorofluoromethane	0.31596 0.35928	0.32264 0.36310	0.34458 0.35383	0.37233	0.37991	0.38208	0.35486	6.624
7 Acrolein	0.01095 0.00906	0.00921 0.00888	0.00975 0.00873	0.00851	0.00875	0.00930	0.00924	8.012

Report Date : 16-Nov-2000 11:45

Caltest Analytical Laboratory

INITIAL CALIBRATION DATA

Start Cal Date : 13-NOV-2000 19:19
 End Cal Date : 14-NOV-2000 01:35
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /var/chem/MSDA.i/1113a.b/8260.m
 Cal Date : 14-Nov-2000 08:35 dvb
 Curve Type : Average

Compound	0.50000	1.000	2.000	5.000	10.000	20.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	40.000 Level 7	60.000 Level 8	80.000 Level 9					
8 Dichlorotrifluoroethane (F123)	0.21048 0.21225	0.18779 0.21836	0.23306 0.22116	0.19774	0.22063	0.22761	0.21434	6.656
9 Trichlorotrifluoroethane (F11)	0.15909 0.18428	0.16043 0.18380	0.18381 0.18351	0.19016	0.19739	0.19575	0.18202	7.514
10 Acetone	++++ 0.04150	++++ 0.03685	++++ 0.03818	0.05066	0.04686	0.03999	0.04234	12.644
11 1,1-Dichloroethene(*CCC*)	0.17568 0.16760	0.16547 0.16497	0.16623 0.16860	0.17421	0.17109	0.18056	0.17049	3.132
12 Iodomethane	++++ 0.24895	++++ 0.26203	++++ 0.24718	0.15370	0.22046	0.25225	0.23076	17.425 <-
13 Carbon Disulfide	0.57775 0.50875	0.57787 0.39937	0.56758 ++++	0.51845	0.62562	0.57816	0.54420	12.709
14 Methylene Chloride	++++ 0.22984	0.36679 0.23054	0.31584 0.23145	0.25477	0.24988	0.24401	0.26539	18.714 <-
15 TBA	0.01674 0.01374	0.01567 0.01040	0.01730 ++++	0.01498	0.01613	0.01679	0.01522	14.828
16 Acrylonitrile	0.03049 0.03941	0.03251 0.03872	0.03711 0.03968	0.03409	0.03720	0.03944	0.03652	9.230
17 MTBE	0.57803 0.61577	0.58794 0.59734	0.59821 0.56934	0.58247	0.60601	0.62854	0.59596	3.160

00282

Report Date : 16-Nov-2000 11:45

Caltest Analytical Laboratory

INITIAL CALIBRATION DATA

Start Cal Date : 13-NOV-2000 19:19
 End Cal Date : 14-NOV-2000 01:35
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /var/chem/MSDA.i/1113a.b/8260.m
 Cal Date : 14-Nov-2000 08:35 dvb
 Curve Type : Average

Compound	0.50000	1.000	2.000	5.000	10.000	20.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	40.000 Level 7	60.000 Level 8	80.000 Level 9					
18 trans-1,2-Dichloroethene	0.22538 0.23077	0.21993 0.23024	0.22729 0.23242	0.23826	0.23922	0.24905	0.23251	3.712
19 1,1-Dichloroethane (**SPCC**)	0.39212 0.47431	0.41420 0.46619	0.44937 0.46249	0.49271	0.48732	0.50013	0.45987	7.876
20 DIPE	+++++ 0.00839	0.00799 0.00802	0.00683 0.00817	0.00832	0.00815	0.00786	0.00797	6.190
21 Vinyl acetate	0.17883 0.22703	0.18894 0.27726	0.21195 0.22084	0.22833	0.21722	0.26657	0.22411	14.240
22 1,4-DIOXANE	0.00225 0.00403	0.00419 0.00404	0.00407 0.00405	0.00362	0.00371	0.00395	0.00377	15.873
23 2-Butanone (MEK)	0.45050 0.34307	0.37735 0.26453	0.36158 0.23995	0.36678	0.35221	0.34395	0.34443	17.924 <-
24 ETBE	0.24081 0.29644	0.24768 0.28981	0.27320 0.29427	0.27053	0.28959	0.30300	0.27837	7.915
25 2,2-Dichloropropane	0.26778 0.34015	0.28621 0.33275	0.29832 0.32670	0.31690	0.34158	0.34860	0.31767	8.761
26 cis 1,2-Dichloroethene	0.22746 0.26120	0.25496 0.25524	0.26275 0.25581	0.26717	0.27208	0.27104	0.25864	5.181
27 Bromochloromethane	0.11787 0.12419	0.11966 0.11680	0.12489 0.10540	0.12083	0.12559	0.12864	0.12043	5.679

00283

Report Date : 16-Nov-2000 11:45

Caltest Analytical Laboratory

INITIAL CALIBRATION DATA

Start Cal Date : 13-NOV-2000 19:19
 End Cal Date : 14-NOV-2000 01:35
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /var/chem/MSDA.i/1113a.b/8260.m
 Cal Date : 14-Nov-2000 08:35 dvb
 Curve Type : Average

Compound	0.50000	1.000	2.000	5.000	10.000	20.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	40.000 Level 7	60.000 Level 8	80.000 Level 9					
28 Chloroform (*CCC*)	0.43961 0.49790	0.47129 0.48105	0.49812 0.47155	0.51011	0.50803	0.52096	0.48874	5.172
30 1,1,1-Trichloroethane	0.32134 0.40456	0.34382 0.39963	0.37962 0.39540	0.40352	0.41703	0.42594	0.38787	8.862
31 1,1-Dichloropropene	0.28777 0.34226	0.30429 0.33772	0.32240 0.33983	0.34784	0.35729	0.36294	0.33359	7.373
32 Carbon Tetrachloride	0.25811 0.33176	0.26646 0.32827	0.30438 0.32754	0.32191	0.33867	0.34958	0.31408	10.141
34 Benzene	0.81132 0.91336	0.90853 0.78403	0.91442 0.67228	0.94023	0.93814	0.96686	0.87213	11.041
35 1,2-Dichloroethane	0.33755 0.40931	0.38424 0.38810	0.41392 0.38044	0.40950	0.41815	0.43142	0.39696	7.056
36 TAME	0.55426 0.67330	0.59738 0.64865	0.62613 0.59943	0.62060	0.65041	0.68443	0.62829	6.517
38 Trichloroethene	0.24470 0.26913	0.25055 0.26318	0.25633 0.26355	0.26755	0.27983	0.28057	0.26393	4.596
39 1,2-Dichloropropane(*CCC*)	0.19586 0.24385	0.21305 0.23963	0.21909 0.24462	0.23611	0.24166	0.24869	0.23140	7.753
40 Dibromomethane	0.11467 0.13698	0.11238 0.13313	0.12377 0.13279	0.12825	0.13263	0.13762	0.12802	7.221

Report Date : 16-Nov-2000 11:45

Caltest Analytical Laboratory

INITIAL CALIBRATION DATA

Start Cal Date : 13-NOV-2000 19:19
 End Cal Date : 14-NOV-2000 01:35
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /var/chem/MSDA.i/1113a.b/8260.m
 Cal Date : 14-Nov-2000 08:35 dvb
 Curve Type : Average

Compound	0.5000	1.000	2.000	5.000	10.000	20.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	40.000 Level 7	60.000 Level 8	80.000 Level 9					
41 Bromodichloromethane	0.29696 0.37115	0.31803 0.35993	0.33378 0.36117	0.34329	0.35861	0.37711	0.34667	7.580
42 2-chloroethyl vinyl ether	0.09854 0.11177	0.08266 0.10983	0.09642 0.11269	0.09375	0.10415	0.11243	0.10247	10.162
43 cis-1,3-Dichloropropene	0.28417 0.38205	0.29503 0.37621	0.34442 0.37750	0.36124	0.37495	0.39165	0.35413	11.021
44 4-Methyl-2-pentanone (MIBK)	0.10276 0.11700	0.11064 0.11301	0.11347 0.11304	0.10096	0.11493	0.11784	0.11152	5.296
46 Toluene (*CCC*)	0.77033 0.80769	0.77619 0.78426	0.79110 0.70229	0.84019	0.84498	0.85615	0.79702	5.966
47 trans-1,3-Dichloropropene	0.30853 0.42095	0.30548 0.41262	0.34863 0.40598	0.36803	0.39592	0.41944	0.37617	12.212
48 1,1,2-Trichloroethane	0.18330 0.19114	0.16635 0.18719	0.17003 0.18145	0.17534	0.18622	0.19399	0.18167	5.171
49 Tetrachloroethene	0.23562 0.26287	0.24165 0.26246	0.24511 0.26490	0.26520	0.27363	0.27664	0.25867	5.577
50 1,3-Dichloropropane	0.34608 0.41823	0.35988 0.40906	0.38543 0.40784	0.40541	0.42021	0.43163	0.39819	7.221
M 51 Total Xylenes	0.47335 0.54361	0.51162 0.46800	0.53584 0.33854	0.56308	0.57082	0.57177	0.50852	14.686

Report Date : 16-Nov-2000 11:45

Caltest Analytical Laboratory

INITIAL CALIBRATION DATA

Start Cal Date : 13-NOV-2000 19:19
 End Cal Date : 14-NOV-2000 01:35
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /var/chem/MSDA.i/1113a.b/8260.m
 Cal Date : 14-Nov-2000 08:35 dvb
 Curve Type : Average

Compound	0.5000	1.000	2.000	5.000	10.000	20.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	40.000 Level 7	60.000 Level 8	80.000 Level 9					
52 2-Hexanone	0.05035 0.10121	0.07629 0.09919	0.08612 0.09977	0.08780	0.09447	0.10082	0.08845	18.752 <-
53 Dibromochloromethane	0.20182 0.29889	0.23013 0.29211	0.23509 0.29237	0.25761	0.27724	0.29630	0.26462	13.306
54 1,2-Dibromoethane	0.19464 0.22954	0.19807 0.22779	0.20503 0.22728	0.21525	0.22667	0.23255	0.21742	6.740
M 55 Total Trihalomethanes	0.23713 0.29913	0.25860 0.29266	0.27103 0.29210	0.27956	0.29047	0.30405	0.28052	7.702
57 Chlorobenzene (**SPCC**)	0.78211 0.87694	0.80748 0.85028	0.81948 0.74974	0.89269	0.88869	0.90600	0.84149	6.499
58 1,1,1,2-Tetrachloroethane	0.24518 0.32623	0.26273 0.32661	0.28047 0.32624	0.30172	0.32163	0.33735	0.30313	10.840
59 Ethylbenzene (*CCC*)	1.37090 1.42307	1.44893 1.10637	1.47668 0.90144	1.55839	1.56178	1.57549	1.38034	16.659 <-
60 m+p-Xylenes	0.46963 0.54279	0.51951 0.44422	0.53850 +++++	0.56071	0.56921	0.57050	0.52688	8.900
61 o-Xylene	0.48079 0.54525	0.49584 0.51557	0.53050 0.53468	0.56781	0.57405	0.57431	0.53542	6.306
62 Styrene	0.81499 0.93162	0.85699 0.79976	0.89475 0.69745	0.94319	0.97180	0.96889	0.87549	10.495

Report Date : 16-Nov-2000 11:45

Caltest Analytical Laboratory

INITIAL CALIBRATION DATA

Start Cal Date : 13-NOV-2000 19:19
 End Cal Date : 14-NOV-2000 01:35
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /var/chem/MSDA.i/1113a.b/8260.m
 Cal Date : 14-Nov-2000 08:35 dvb
 Curve Type : Average

Compound	0.5000	1.000	2.000	5.000	10.000	20.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	40.000 Level 7	60.000 Level 8	80.000 Level 9					
63 Bromoform (**SPCC**)	0.07442 0.12169	0.08382 0.12524	0.08692 0.12510	0.08916	0.10506	0.11379	0.10280	19.111 <-
64 Isopropylbenzene	1.32401 1.26689	1.39185 0.95914	1.40087 ++++	1.49884	1.52682	1.51221	1.36008	13.716
66 1,1,2,2-TetrachloroethaneSPCC	0.44663 0.52933	0.45091 0.55099	0.47430 ++++	0.49131	0.50401	0.51261	0.49501	7.415
67 Bromobenzene	0.63877 0.69322	0.62417 0.70927	0.66381 ++++	0.71153	0.69409	0.67323	0.67601	4.751
68 1,2,3-Trichloropropane	0.17454 0.16445	0.15886 0.16634	0.15627 ++++	0.15696	0.15747	0.15375	0.16108	4.275
69 n-Propylbenzene	3.58367 2.73481	3.78199 ++++	3.84145 ++++	4.02026	3.96696	3.73800	3.66673	11.885
70 2-Chlorotoluene	0.72639 0.74990	0.68213 0.76558	0.71577 ++++	0.77325	0.75661	0.73286	0.73781	4.056
71 1,3,5-Trimethylbenzene	2.46076 2.28017	2.46383 1.78024	2.63033 ++++	2.75669	2.72597	2.68286	2.47261	13.066
72 4-Chlorotoluene	0.73715 0.76207	0.68435 0.77000	0.72173 ++++	0.78455	0.77703	0.77634	0.75165	4.613
73 tert-Butylbenzene	2.15579 2.10098	2.20398 1.70439	2.23803 ++++	2.39240	2.34196	2.36275	2.18753	10.094

00287

Report Date : 16-Nov-2000 11:45

Caltest Analytical Laboratory

INITIAL CALIBRATION DATA

Start Cal Date : 13-NOV-2000 19:19
 End Cal Date : 14-NOV-2000 01:35
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /var/chem/MSDA.i/1113a.b/8260.m
 Cal Date : 14-Nov-2000 08:35 dvb
 Curve Type : Average

Compound	0.50000	1.000	2.000	5.000	10.000	20.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	40.000	60.000	80.000					
	Level 7	Level 8	Level 9					
74 1,2,4-Trimethylbenzene	2.53575 2.26130	2.64160 1.75672	2.70247 ++++	2.81188	2.76994	2.76861	2.53103	14.217
75 sec-Butylbenzene	3.00226 2.48852	3.14651 1.88202	3.29321 ++++	3.48692	3.48284	3.43484	3.02714	18.822 <-
76 bis(2Chloroethyl)Ether	0.00535 0.00935	0.00755 0.00851	0.00650 ++++	0.00691	0.00777	0.00900	0.00762	17.660 <-
77 1,3-Dichlorobenzene	1.24454 1.44406	1.33900 1.33723	1.33008 ++++	1.45329	1.47652	1.48161	1.38829	6.263
78 4-Isopropyltoluene	2.56797 2.24669	2.74120 1.71489	2.80547 ++++	2.87179	2.89003	2.88046	2.58981	16.035 <-
80 1,4-Dichlorobenzene	1.25366 1.44283	1.29756 1.32677	1.33008 ++++	1.42441	1.44818	1.46410	1.37345	5.862
81 n-Butylbenzene	2.45799 2.20694	2.54275 1.65804	2.69040 ++++	2.85275	2.88482	2.84872	2.51780	16.623 <-
82 1,2-Dichlorobenzene	1.11303 1.29957	1.22643 1.22552	1.22390 ++++	1.27244	1.29282	1.32293	1.24708	5.305
83 1,2-Dibromo-3-chloropropane	0.06076 0.08490	0.07290 0.08291	0.07089 ++++	0.06632	0.07183	0.07873	0.07366	11.119
84 1,2,4-Trichlorobenzene	0.54097 0.65820	0.55343 0.62849	0.56236 ++++	0.58562	0.65152	0.67548	0.60701	8.680

Report Date : 16-Nov-2000 11:45

Caltest Analytical Laboratory

INITIAL CALIBRATION DATA

Start Cal Date : 13-NOV-2000 19:19
 End Cal Date : 14-NOV-2000 01:35
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /var/chem/MSDA.i/1113a.b/8260.m
 Cal Date : 14-Nov-2000 08:35 dvb
 Curve Type : Average

Compound	0.5000	1.000	2.000	5.000	10.000	20.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	40.000	60.000	80.000					
	Level 7	Level 8	Level 9					
85 Hexachlorobutadiene	0.17488 0.20699	0.16624 0.19720	0.18053 ++++	0.19503	0.21149	0.21504	0.19342	9.257
86 Napthalene	1.49985 1.58827	1.35405 1.38442	1.37601 ++++	1.37925	1.55140	1.62876	1.47025	7.475
87 1,2,3-Trichlorobenzene	0.44303 0.53491	0.45458 0.51857	0.45651 ++++	0.47814	0.52544	0.54347	0.49433	8.207
\$ 29 Dibromofluoromethane (S)	0.28485 0.25979	0.21976 0.25423	0.23427 0.25215	0.25719	0.26096	0.28101	0.25602	7.935
\$ 33 1,2-Dichloroethane-d4 (S)	0.32342 0.33621	0.30687 0.32220	0.30856 0.31549	0.33620	0.33975	0.35637	0.32723	4.960
\$ 45 Toluene-d8 (S)	0.86929 0.83305	0.79004 0.74915	0.80680 0.64551	0.87671	0.88500	0.90581	0.81793	10.036
\$ 65 4-Bromofluorobenzene (S)	1.12627 0.99813	0.97850 1.01535	0.96475 ++++	1.03493	1.02915	1.01393	1.02013	4.818

Report Date : 16-Nov-2000 11:45

Caltest Analytical Laboratory

INITIAL CALIBRATION DATA

Start Cal Date : 13-NOV-2000 19:19
End Cal Date : 14-NOV-2000 01:35
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSDA.i/1113a.b/8260.m
Cal Date : 14-Nov-2000 08:35 dvb
Curve Type : Average

Average %RSD Results.

=====
Calculated Average %RSD = 9.77013874

Maximum Average %RSD = 15

* Passed Average %RSD Test.

00200

Data File: /var/chem/MSDA.i/1113a.b/1113_13.d
 Report Date: 07-Dec-2000 11:44

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1113a.b/1113_13.d
 Lab Smp Id: ICAL @ 0.5ppb
 Inj Date : 13-NOV-2000 19:19
 Operator : DB
 Smp Info : ICAL @ 0.5ppb
 Misc Info : 1;1;15;;15;;V110100-8;1
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1113a.b/8260.m
 Meth Date : 07-Dec-2000 11:43 dvb
 Cal Date : 13-NOV-2000 19:19
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1113_13.d
 Calibration Sample, Level: 1
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		SIMILARITY
						CAL-AMT (ug/L)	ON-COL (ug/L)	
4 Bromomethane	94	5.971	5.971	(0.382)	64732	0.50000	0.65417	9152(QM)
7 Acrolein	56	7.814	7.824	(0.500)	16302	2.00000	2.3712	4947(M)
10 Acetone	43	8.177	8.177	(0.524)	149077	1.00000	4.1538	8351
11 1,1-Dichloroethene(*CCC*)	96	8.089	8.089	(0.518)	65385	0.50000	0.51522	7702(Q)
12 Iodomethane	142	8.462	8.461	(0.542)	95022	1.00000	0.53915	8981(Q)
13 Carbon Disulfide	76	8.648	8.648	(0.554)	430056	1.00000	1.1213	9171
14 Methylene Chloride	84	9.236	9.234	(0.592)	193560	0.50000	0.97982	9416(Q)
15 TBA	59	9.500	9.498	(0.608)	623178	50.0000	55.0	9529
16 Acrylonitrile	53	9.802	9.801	(0.628)	45397	2.00000	1.6701	8778
20 DIPE	100	10.935	10.963	(0.700)	9381	1.00000	1.5822	8329(M)
21 Vinyl acetate	43	11.062	11.060	(0.708)	133112	1.00000	0.79795	8883(M)
22 1,4-DIOXANE	88	11.121	11.109	(0.712)	4184	2.50000	1.4921	7233
23 2-Butanone (MEK)	43	11.121	11.119	(0.712)	335338	1.00000	1.3080	4011(M)
\$ 29 Dibromofluoromethane (S)	113	13.699	13.707	(0.877)	106014	0.50000	0.55629	8811(Q)
* 37 Fluorobenzene (IS)	96	15.614	15.611	(1.000)	14887254	20.0000		9565
42 2-chloroethyl vinyl ether	63	19.081	19.077	(1.222)	73351	1.00000	0.96165	9173

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		SIMILARITY
						CAL-AMT (ug/L)	ON-COL (ug/L)	
44 4-Methyl-2-pentanone (MIBK)	43	20.057	20.044	(1.285)	76487	1.00000	0.92143	8072
\$ 45 Toluene-d8 (S)	98	20.477	20.483	(1.311)	323533	0.50000	0.53139	9518
48 1,1,2-Trichloroethane	83	22.010	22.006	(0.864)	52346	0.50000	0.50449	8563(Q)
M 51 Total Xylenes	106				405529	1.50000	1.3976	0
52 2-Hexanone	43	22.870	22.866	(0.897)	28760	1.00000	0.56933	6446
M 55 Total Trihalomethanes	100				353023	2.00000	1.6225	0
* 56 Chlorobenzene-d5	117	25.487	25.483	(1.000)	11422935	20.0000		9341
60 m+p-Xylenes	106	26.435	26.421	(1.037)	268227	1.00000	0.94863	9412(Q)
\$ 65 4-Bromofluorobenzene (S)	95	29.346	29.342	(0.905)	143881	0.50000	0.55202	8618(Q)
66 1,1,2,2-TetrachloroethaneSPCC	83	29.747	29.753	(0.917)	57057	0.50000	0.52069	6116(Q)
68 1,2,3-Trichloropropane	110	29.864	29.870	(0.921)	22298	0.50000	0.54179	7611(Q)
69 n-Propylbenzene	91	30.089	30.086	(0.928)	457815	0.50000	0.52307	9648
74 1,2,4-Trimethylbenzene	105	31.566	31.563	(0.973)	323943	0.50000	0.50093	9374
76 bis(2Chloroethyl)Ether	93	32.045	32.022	(2.052)	9949	2.50000	1.7549	1347(M)
* 79 1,4 Dichlorobenzene-d4	152	32.437	32.424	(1.000)	5110019	20.0000		8905(Q)
86 Napthalene	128	37.347	37.345	(1.151)	191607	0.50000	0.51007	9239

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: /var/chem/MSDA.i/1113a.b/1113_13.d
Report Date: 07-Dec-2000 11:44

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSDA.i
Lab File ID: 1113_13.d
Lab Smp Id: ICAL @ 0.5ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: DB

Calibration Date: 13-NOV-2000
Calibration Time: 23:14

Level: LOW
Sample Type: WATER

Method File: /var/chem/MSDA.i/1113a.b/8260.m
Misc Info: 1;1;15;;15;;V110100-8;1

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15372622	7686311	30745244	14887254	-3.16
56 Chlorobenzene-d5	11925762	5962881	23851524	11422935	-4.22
79 1,4 Dichlorobenze	5885430	2942715	11770860	5110019	-13.18

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.61	15.11	16.11	15.61	0.01
56 Chlorobenzene-d5	25.49	24.99	25.99	25.49	0.01
79 1,4 Dichlorobenze	32.43	31.93	32.93	32.44	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

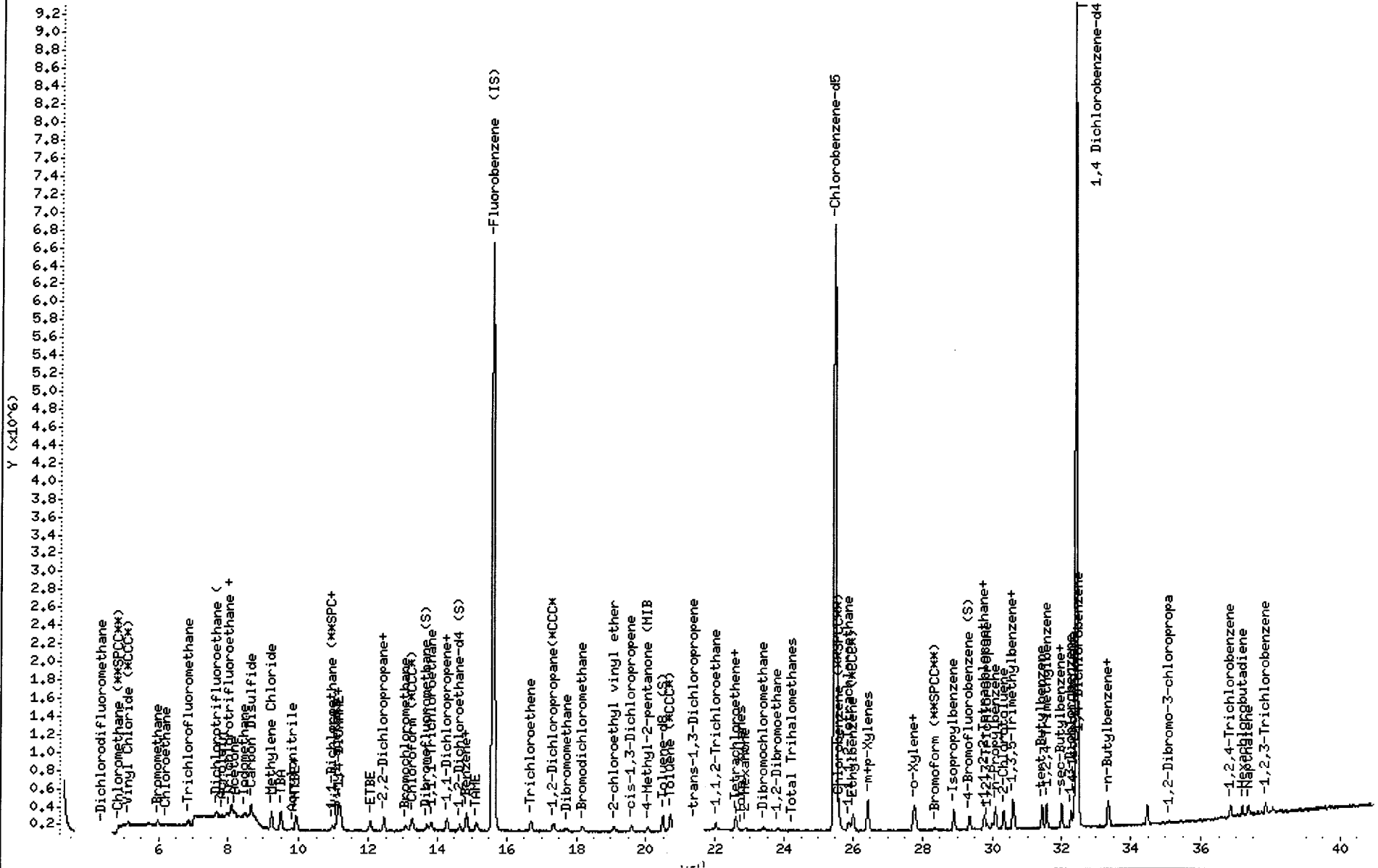
00293

Data File: /var/chem/MSDA,i/1113a,b/1113_13.d
 Date : 13-NOV-2000 19:19
 Client ID:
 Sample Info: ICAL @ 0.5ppb
 Purge Volume: 15.0
 Column phase: DB-624

Instrument: MSDA,i
 Operator: DB
 Column diameter: 0.32

00794

/var/chem/MSDA,i/1113a,b/1113_13.d



Compounds	QUANT SIG				AMOUNTS		SIMILARITY	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)		ON-COL (ug/L)
17 MTBE	73	9.929	9.928	(0.636)	413754	1.00000	0.98655	6839
18 trans-1,2-Dichloroethene	96	9.929	9.928	(0.636)	154774	1.00000	0.94593	8584(Q)
19 1,1-Dichloroethane (**SPCC**)	63	10.945	10.953	(0.701)	291483	1.00000	0.90068	9502
20 DIPE	100	10.965	10.963	(0.703)	11242	2.00000	2.0055	9397
21 Vinyl acetate	43	11.082	11.060	(0.710)	265931	2.00000	1.6862	8995(M)
22 1,4-DIOXANE	88	11.101	11.109	(0.711)	14760	5.00000	5.5676	8135
23 2-Butanone (MEK)	43	11.121	11.119	(0.713)	531101	2.00000	2.1911	3579(M)
24 ETBE	87	12.068	12.056	(0.773)	174303	1.00000	0.88976	9250
25 2,2-Dichloropropane	77	12.449	12.456	(0.798)	201417	1.00000	0.90099	8180
26 cis 1,2-Dichloroethene	96	12.439	12.447	(0.797)	179422	1.00000	0.98578	8293(Q)
27 Bromochloromethane	128	13.074	13.081	(0.838)	84207	1.00000	0.99359	9369(Q)
28 Chloroform (*CCC*)	83	13.260	13.277	(0.850)	331664	1.00000	0.96431	8627(Q)
\$ 29 Dibromofluoromethane (S)	113	13.699	13.707	(0.878)	154649	1.00000	0.85834	8760(Q)
30 1,1,1-Trichloroethane	97	13.807	13.814	(0.885)	241959	1.00000	0.88643	9291(Q)
31 1,1-Dichloropropene	75	14.266	14.273	(0.914)	214141	1.00000	0.91217	9242
32 Carbon Tetrachloride	117	14.305	14.303	(0.917)	187518	1.00000	0.84840	7376(Q)
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.647	14.644	(0.939)	215955	1.00000	0.93779	9019
34 Benzene	78	14.852	14.840	(0.952)	639358	1.00000	1.0417	8191
35 1,2-Dichloroethane	62	14.852	14.859	(0.952)	270401	1.00000	0.96796	8664
36 TAME	73	15.135	15.142	(0.970)	420392	1.00000	0.95080	9374
* 37 Fluorobenzene (IS)	96	15.604	15.611	(1.000)	14074604	20.0000		9609
38 Trichloroethene	95	16.698	16.695	(1.070)	176321	1.00000	0.94931	9358(Q)
39 1,2-Dichloropropane(*CCC*)	63	17.352	17.339	(1.112)	149931	1.00000	0.92072	9265(Q)
40 Dibromomethane	93	17.703	17.711	(1.135)	79085	1.00000	0.87780	8678(Q)
41 Bromodichloromethane	83	18.163	18.170	(1.164)	223808	1.00000	0.91739	9526(Q)
42 2-chloroethyl vinyl ether	63	19.070	19.077	(1.222)	116344	2.00000	1.6134	9240
43 cis-1,3-Dichloropropene	75	19.578	19.585	(1.255)	207623	1.00000	0.83311	9332(Q)
44 4-Methyl-2-pentanone (MIBK)	43	20.046	20.044	(1.285)	155724	2.00000	1.9843	9102(Q)
\$ 45 Toluene-d8 (S)	98	20.476	20.483	(1.312)	555976	1.00000	0.96590	9479
46 Toluene (*CCC*)	92	20.700	20.698	(0.812)	426369	1.00000	0.97387	9632(Q)
47 trans-1,3-Dichloropropene	75	21.393	21.391	(0.839)	167804	1.00000	0.81207	9198(Q)
48 1,1,2-Trichloroethane	83	21.999	22.006	(0.863)	91377	1.00000	0.91567	8394(Q)
49 Tetrachloroethene	166	22.585	22.592	(0.886)	132743	1.00000	0.93420	8873(Q)
50 1,3-Dichloropropane	76	22.585	22.583	(0.886)	197684	1.00000	0.90377	8874
M 51 Total Xylenes	106				843112	3.00000	3.0248	0
52 2-Hexanone	43	22.888	22.866	(0.898)	83812	2.00000	1.7251	8122(Q)
53 Dibromochloromethane	129	23.396	23.393	(0.918)	126411	1.00000	0.86966	9083(Q)
54 1,2-Dibromoethane	107	23.806	23.804	(0.934)	108799	1.00000	0.91096	9234(Q)
M 55 Total Trihalomethanes	100				727925	4.00000	3.5676	0
* 56 Chlorobenzene-d5	117	25.485	25.483	(1.000)	10986182	20.0000		9425
57 Chlorobenzene (**SPCC**)	112	25.593	25.591	(1.004)	443554	1.00000	0.95958	7987(Q)
58 1,1,1,2-Tetrachloroethane	131	25.876	25.884	(1.015)	144318	1.00000	0.86672	9175(Q)
59 Ethylbenzene (*CCC*)	91	25.993	26.001	(1.020)	795910	1.00000	1.0497	9630
60 m+p-Xylenes	106	26.423	26.421	(1.037)	570741	2.00000	2.0988	9588(Q)
61 o-Xylene	106	27.751	27.749	(1.089)	272371	1.00000	0.92608	8738(Q)
62 Styrene	104	27.800	27.788	(1.091)	470752	1.00000	0.97886	9403(Q)
63 Bromoform (**SPCC**)	173	28.367	28.355	(1.113)	46042	1.00000	0.81622	8511(QM)

Compounds	QUANT SIG		AMOUNTS					SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	
=====	====	==	=====	=====	=====	=====	=====	=====
64 Isopropylbenzene	105	28.904	28.902	(1.134)	764555	1.00000	1.0234	9527
\$ 65 4-Bromofluorobenzene (S)	95	29.343	29.342	(0.905)	246262	1.00000	0.95919	8476(Q)
66 1,1,2,2-TetrachloroethaneSPCC	83	29.744	29.753	(0.917)	113482	1.00000	1.0514	5413(Q)
67 Bromobenzene	156	29.773	29.772	(0.918)	157088	1.00000	0.92332	8691(Q)
68 1,2,3-Trichloropropane	110	29.871	29.870	(0.921)	39981	1.00000	0.98622	8087(Q)
69 n-Propylbenzene	91	30.096	30.086	(0.928)	951828	1.00000	1.1040	9502
70 2-Chlorotoluene	126	30.331	30.320	(0.935)	171673	1.00000	0.92453	9386(Q)
71 1,3,5-Trimethylbenzene	105	30.575	30.575	(0.943)	620082	1.00000	0.99645	9525(Q)
72 4-Chlorotoluene	126	30.615	30.624	(0.944)	172232	1.00000	0.91045	9092(Q)
73 tert-Butylbenzene	119	31.436	31.435	(0.969)	554684	1.00000	1.0075	8717(Q)
74 1,2,4-Trimethylbenzene	105	31.563	31.563	(0.973)	664821	1.00000	1.0437	9690(Q)
75 sec-Butylbenzene	105	31.993	31.993	(0.986)	791893	1.00000	1.0394	9312
76 bis(2Chloroethyl)Ether	93	32.032	32.022	(2.053)	26561	5.00000	4.9556	8328(Q)
77 1,3-Dichlorobenzene	146	32.267	32.267	(0.995)	336991	1.00000	0.96450	8708(Q)
78 4-Isopropyltoluene	119	32.355	32.355	(0.998)	689887	1.00000	1.0584	9580
* 79 1,4-Dichlorobenzene-d4	152	32.434	32.424	(1.000)	5033472	20.0000		8873(Q)
80 1,4-Dichlorobenzene	146	32.492	32.492	(1.002)	326562	1.00000	0.94475	7469(Q)
81 n-Butylbenzene	91	33.334	33.334	(1.028)	639943	1.00000	1.0099	9560(Q)
82 1,2-Dichlorobenzene	146	33.383	33.373	(1.029)	308661	1.00000	0.98344	9091(Q)
83 1,2-Dibromo-3-chloropropane	157	35.117	35.108	(1.083)	18348	1.00000	0.98980	7466(Q)
84 1,2,4-Trichlorobenzene	180	36.852	36.844	(1.136)	139284	1.00000	0.91174	8830(Q)
85 Hexachlorobutadiene	225	37.176	37.178	(1.146)	41837	1.00000	0.85943	7452(Q)
86 Napthalene	128	37.353	37.345	(1.152)	340778	1.00000	0.92096	9463
87 1,2,3-Trichlorobenzene	180	37.844	37.846	(1.167)	114407	1.00000	0.91959	8599(Q)

Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: /var/chem/MSDA.i/1113a.b/1113_14.d
Report Date: 07-Dec-2000 11:44

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSDA.i
Lab File ID: 1113 14.d
Lab Smp Id: ICAL @ 1.0ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: DB
Method File: /var/chem/MSDA.i/1113a.b/8260.m
Misc Info: 1;1;15;;15;;V110100-8;2

Calibration Date: 13-NOV-2000
Calibration Time: 23:14
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I)	15372622	7686311	30745244	14074604	-8.44
56 Chlorobenzene-d5	11925762	5962881	23851524	10986182	-7.88
79 1,4 Dichlorobenze	5885430	2942715	11770860	5033472	-14.48

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I)	15.61	15.11	16.11	15.60	-0.05
56 Chlorobenzene-d5	25.49	24.99	25.99	25.49	0.00
79 1,4 Dichlorobenze	32.43	31.93	32.93	32.43	0.02

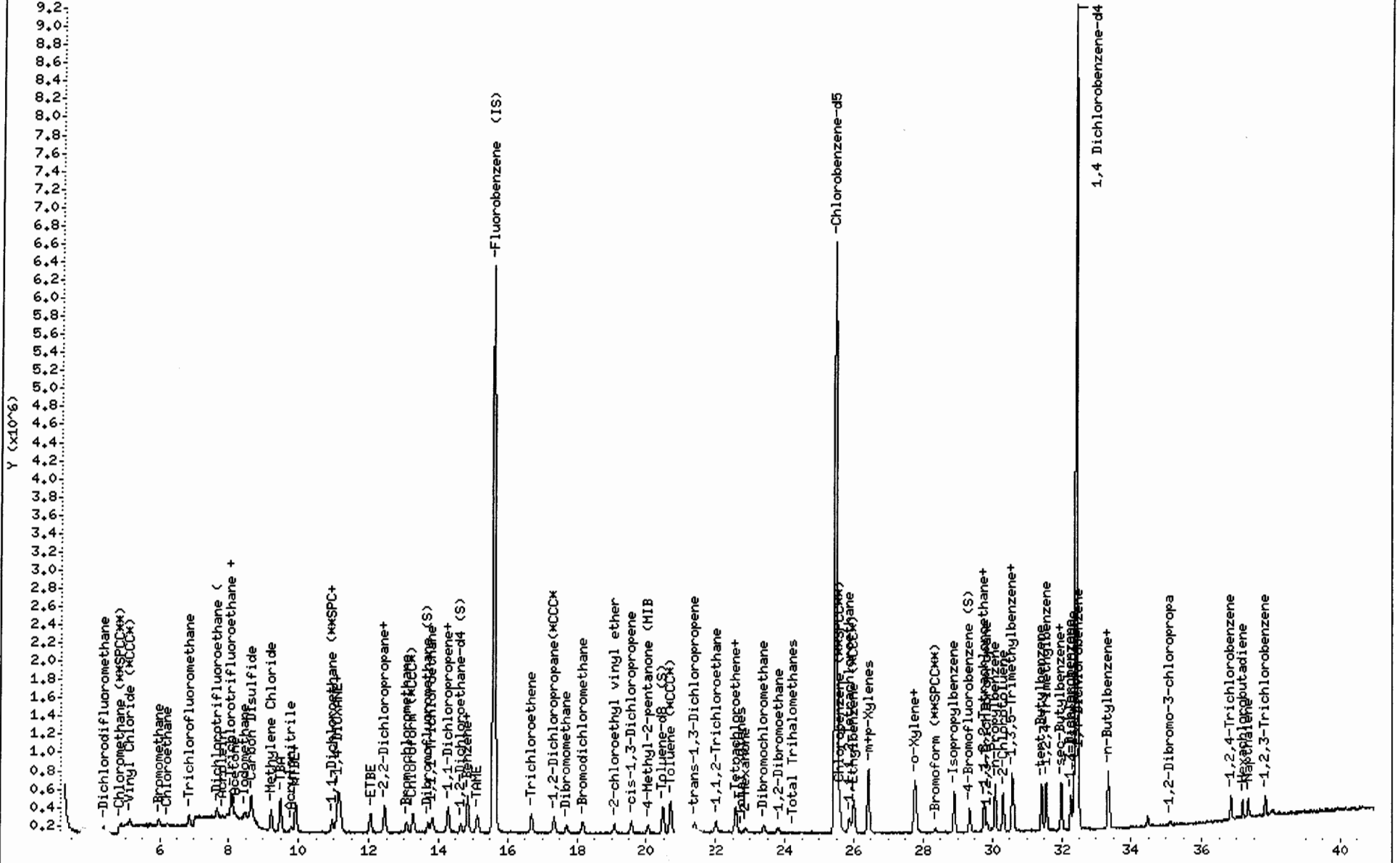
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA,i/1113a,b/1113_14.d
 Date: 13-NOV-2000 20:06
 Client ID:
 Sample Info: ICAL @ 1.0ppb
 Purge Volume: 15.0
 Column phase: DB-624

Instrument: MSDA.i
 Operator: DB
 Column diameter: 0.32

00299

/var/chem/MSDA,i/1113a,b/1113_14.d



Data File: /var/chem/MSDA.i/1113a.b/1113_15.d
 Report Date: 07-Dec-2000 11:44

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1113a.b/1113_15.d
 Lab Smp Id: ICAL @ 2.0ppb
 Inj Date : 13-NOV-2000 20:53
 Operator : DB
 Smp Info : ICAL @ 2.0ppb
 Misc Info : 1;1;15;;15;;V110100-8;3
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1113a.b/8260.m
 Meth Date : 07-Dec-2000 11:43 dvb
 Cal Date : 13-NOV-2000 20:53
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1113_15.d
 Calibration Sample, Level: 3
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

Compound Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		SIMILARITY
						CAL-AMT (ug/L)	ON-COL (ug/L)	
1 Dichlorodifluoromethane	85	4.389	4.390	(0.281)	285759	2.00000	1.9042	9673
2 Chloromethane (**SPCC**)	50	4.858	4.859	(0.311)	236364	2.00000	1.6590	9299
3 Vinyl Chloride (*CCC*)	62	5.131	5.141	(0.329)	284521	2.00000	1.7678	9366
4 Bromomethane	94	5.961	5.971	(0.382)	233482	2.00000	2.3413	9391(Q)
5 Chloroethane	64	6.215	6.216	(0.398)	122896	2.00000	1.8622	9202
6 Trichlorofluoromethane	101	6.847	6.847	(0.439)	516993	2.00000	1.9421	9464(Q)
7 Acrolein	56	7.814	7.824	(0.501)	58484	8.00000	8.4408	7858
8 Dichlorotrifluoroethane (F123)	83	7.657	7.667	(0.491)	349668	2.00000	2.1746	8804(Q)
9 Trichlorotrifluoroethane (F113)	101	8.079	8.089	(0.518)	275784	2.00000	2.0196	6669(Q)
10 Acetone	43	8.177	8.177	(0.524)	210304	4.00000	6.0544	9012(M)
11 1,1-Dichloroethene(*CCC*)	96	8.088	8.089	(0.518)	249402	2.00000	1.9500	7779(Q)
12 Iodomethane	142	8.461	8.461	(0.542)	389638	4.00000	2.4008	9515(QM)
13 Carbon Disulfide	76	8.648	8.648	(0.554)	1703146	4.00000	4.4064	9412
14 Methylene Chloride	84	9.225	9.234	(0.591)	473866	2.00000	2.3802	9786(Q)
15 TBA	59	9.489	9.498	(0.608)	2596237	200.000	227	9472
16 Acrylonitrile	53	9.801	9.801	(0.628)	222704	8.00000	8.1298	9424

00300

Compounds	QUANT SIG				AMOUNTS			SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	
17 MTBE	73	9.928	9.928	(0.636)	897517	2.00000	2.0075	6721
18 trans-1,2-Dichloroethene	96	9.919	9.928	(0.636)	341011	2.00000	1.9551	8692(Q)
19 1,1-Dichloroethane (**SPCC**)	63	10.954	10.953	(0.702)	674203	2.00000	1.9543	9619
20 DIPE	100	10.954	10.963	(0.702)	20483	4.00000	3.4278	9590
21 Vinyl acetate	43	11.071	11.060	(0.710)	635994	4.00000	3.7830	9037(M)
22 1,4-DIOXANE	88	11.120	11.109	(0.713)	30503	10.0000	10.8	9248
23 2-Butanone (MEK)	43	11.120	11.119	(0.713)	1084994	4.00000	4.1991	3341(M)
24 ETBE	87	12.048	12.056	(0.772)	409888	2.00000	1.9628	9160
25 2,2-Dichloropropene	77	12.458	12.456	(0.798)	447587	2.00000	1.8782	8270
26 cis 1,2-Dichloroethene	96	12.438	12.447	(0.797)	394223	2.00000	2.0318	8766(Q)
27 Bromochloromethane	128	13.073	13.081	(0.838)	187373	2.00000	2.0740	9430(Q)
28 Chloroform (*CCC*)	83	13.269	13.277	(0.850)	747357	2.00000	2.0384	9296(Q)
\$ 29 Dibromofluoromethane (S)	113	13.698	13.707	(0.878)	351484	2.00000	1.8300	8974(Q)
30 1,1,1-Trichloroethane	97	13.816	13.814	(0.885)	569560	2.00000	1.9574	9471(Q)
31 1,1-Dichloropropene	75	14.265	14.273	(0.914)	483717	2.00000	1.9329	9542
32 Carbon Tetrachloride	117	14.294	14.303	(0.916)	456681	2.00000	1.9383	7128(Q)
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.636	14.644	(0.938)	462953	2.00000	1.8859	9268
34 Benzene	78	14.851	14.840	(0.952)	1371943	2.00000	2.0970	7938
35 1,2-Dichloroethane	62	14.851	14.859	(0.952)	621030	2.00000	2.0855	8870
36 TAME	73	15.144	15.142	(0.971)	939405	2.00000	1.9931	9571
* 37 Fluorobenzene (IS)	96	15.603	15.611	(1.000)	15003457	20.0000		9571
38 Trichloroethene	95	16.697	16.695	(1.070)	384584	2.00000	1.9424	9252(Q)
39 1,2-Dichloropropene(*CCC*)	63	17.332	17.339	(1.111)	328709	2.00000	1.8936	9371(Q)
40 Dibromomethane	93	17.703	17.711	(1.135)	185694	2.00000	1.9335	8999(Q)
41 Bromodichloromethane	83	18.162	18.170	(1.164)	500780	2.00000	1.9256	9659(Q)
42 2-chloroethyl vinyl ether	63	19.079	19.077	(1.223)	289332	4.00000	3.7638	9376
43 cis-1,3-Dichloropropene	75	19.587	19.585	(1.255)	516750	2.00000	1.9451	9649(Q)
44 4-Methyl-2-pentanone (MIBK)	43	20.036	20.044	(1.284)	340489	4.00000	4.0701	9172(Q)
\$ 45 Toluene-d8 (S)	98	20.475	20.483	(1.312)	1210480	2.00000	1.9728	9664
46 Toluene (*CCC*)	92	20.690	20.698	(0.812)	929617	2.00000	1.9851	9596(Q)
47 trans-1,3-Dichloropropene	75	21.393	21.391	(0.839)	409673	2.00000	1.8535	9480(Q)
48 1,1,2-Trichloroethane	83	22.018	22.006	(0.864)	199797	2.00000	1.8718	8610(Q)
49 Tetrachloroethene	166	22.584	22.592	(0.886)	288033	2.00000	1.8952	9005(Q)
50 1,3-Dichloropropene	76	22.594	22.583	(0.887)	452915	2.00000	1.9359	8832
M 51 Total Xylenes	106				1888980	6.00000	6.3326	0
52 2-Hexanone	43	22.858	22.866	(0.897)	202397	4.00000	3.8948	9002(Q)
53 Dibromochloromethane	129	23.405	23.393	(0.918)	276254	2.00000	1.7768	9305(Q)
54 1,2-Dibromoethane	107	23.795	23.804	(0.934)	240927	2.00000	1.8860	9382(Q)
M 55 Total Trihalomethanes	100				1626529	8.00000	7.4319	0
* 56 Chlorobenzene-d5	117	25.484	25.483	(1.000)	11750997	20.0000		9385
57 Chlorobenzene (**SPCC**)	112	25.582	25.591	(1.004)	962973	2.00000	1.9477	8989(Q)
58 1,1,1,2-Tetrachloroethane	131	25.885	25.884	(1.016)	329576	2.00000	1.8505	9360(Q)
59 Ethylbenzene (*CCC*)	91	25.992	26.001	(1.020)	1735246	2.00000	2.1396	9759
60 m+p-Xylenes	106	26.422	26.421	(1.037)	1265594	4.00000	4.3510	9704(Q)
61 o-Xylene	106	27.760	27.749	(1.089)	623386	2.00000	1.9816	7907(Q)
62 Styrene	104	27.799	27.788	(1.091)	1051416	2.00000	2.0440	9426(Q)
63 Bromoform (**SPCC**)	173	28.355	28.355	(1.113)	102138	2.00000	1.6910	8266(M)

Compounds	QUANT SIG		AMOUNTS					SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	
64 Isopropylbenzene	105	28.893	28.902	(1.134)	1646159	2.00000	2.0600	9610
\$ 65 4-Bromofluorobenzene (S)	95	29.342	29.342	(0.905)	512430	2.00000	1.8914	8871(Q)
66 1,1,2,2-TetrachloroethaneSPCC	83	29.752	29.753	(0.917)	251924	2.00000	2.2118	4895(Q)
67 Bromobenzene	156	29.772	29.772	(0.918)	352585	2.00000	1.9639	8753(Q)
68 1,2,3-Trichloropropane	110	29.860	29.870	(0.921)	83006	2.00000	1.9403	7765(Q)
69 n-Propylbenzene	91	30.095	30.086	(0.928)	2040403	2.00000	2.2428	9696
70 2-Chlorotoluene	126	30.320	30.320	(0.935)	380183	2.00000	1.9402	9334(Q)
71 1,3,5-Trimethylbenzene	105	30.574	30.575	(0.943)	1397111	2.00000	2.1276	9565(Q)
72 4-Chlorotoluene	126	30.623	30.624	(0.944)	383352	2.00000	1.9204	9487(Q)
73 tert-Butylbenzene	119	31.434	31.435	(0.969)	1188739	2.00000	2.0462	8732(Q)
74 1,2,4-Trimethylbenzene	105	31.561	31.563	(0.973)	1435430	2.00000	2.1355	9615
75 sec-Butylbenzene	105	32.001	31.993	(0.987)	1749199	2.00000	2.1758	9658
76 bis(2Chloroethyl)Ether	93	32.040	32.022	(2.053)	48735	10.0000	8.5298	3024(Q)
77 1,3-Dichlorobenzene	146	32.490	32.267	(1.002)	706476	2.00000	1.9161	9125(Q)
78 4-Isopropyltoluene	119	32.353	32.355	(0.998)	1490137	2.00000	2.1665	9675
* 79 1,4 Dichlorobenzene-d4	152	32.432	32.424	(1.000)	5311539	20.0000		8952(Q)
80 1,4-Dichlorobenzene	146	32.490	32.492	(1.002)	706476	2.00000	1.9368	9232(Q)
81 n-Butylbenzene	91	33.342	33.334	(1.028)	1429017	2.00000	2.1371	9434(Q)
82 1,2-Dichlorobenzene	146	33.381	33.373	(1.029)	650080	2.00000	1.9628	9034(Q)
83 1,2-Dibromo-3-chloropropane	157	35.114	35.108	(1.083)	37651	2.00000	1.9248	9040(Q)
84 1,2,4-Trichlorobenzene	180	36.850	36.844	(1.136)	298701	2.00000	1.8529	8589(Q)
85 Hexachlorobutadiene	225	37.183	37.178	(1.147)	95888	2.00000	1.8666	7453(Q)
86 Napthalene	128	37.341	37.345	(1.151)	730873	2.00000	1.8718	9619
87 1,2,3-Trichlorobenzene	180	37.851	37.846	(1.167)	242478	2.00000	1.8470	8780(Q)

Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: /var/chem/MSDA.i/1113a.b/1113_15.d
Report Date: 07-Dec-2000 11:44

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSDA.i
Lab File ID: 1113_15.d
Lab Smp Id: ICAL @ 2.0ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: DB

Calibration Date: 13-NOV-2000
Calibration Time: 23:14

Level: LOW
Sample Type: WATER

Method File: /var/chem/MSDA.i/1113a.b/8260.m
Misc Info: 1;1;15;;15;;V110100-8;3

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15372622	7686311	30745244	15003457	-2.40
56 Chlorobenzene-d5	11925762	5962881	23851524	11750997	-1.47
79 1,4 Dichlorobenze	5885430	2942715	11770860	5311539	-9.75

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.61	15.11	16.11	15.60	-0.06
56 Chlorobenzene-d5	25.49	24.99	25.99	25.48	0.00
79 1,4 Dichlorobenze	32.43	31.93	32.93	32.43	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA,i/1113a,b/1113_15.d

Date : 13-NOV-2000 20:53

Client ID:

Sample Info: ICAL @ 2.0ppb

Purge Volume: 15.0

Column phase: DB-624

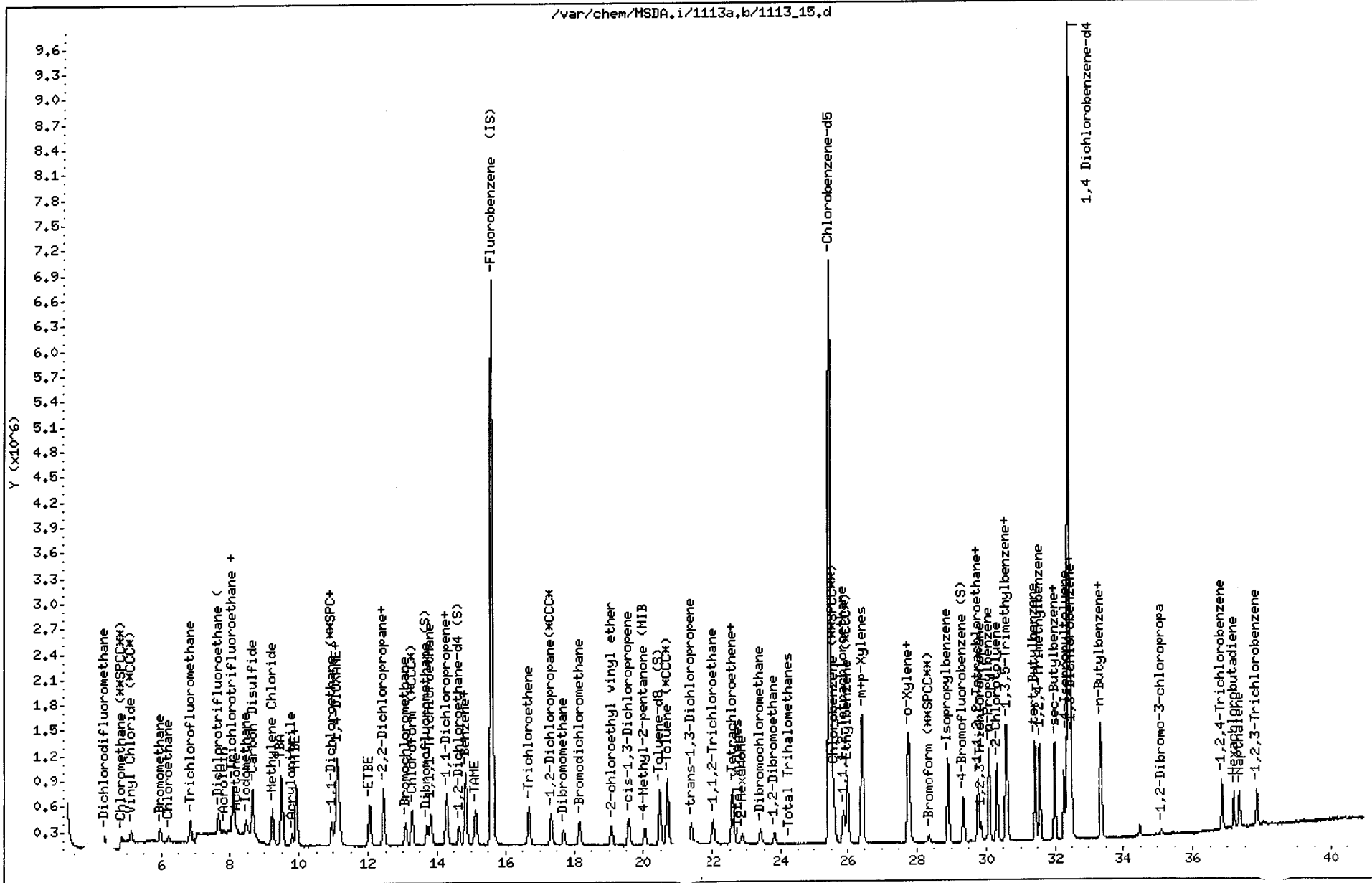
Instrument: MSDA.i

Operator: DB

Column diameter: 0.32

00304

/var/chem/MSDA,i/1113a,b/1113_15.d



Data File: /var/chem/MSDA.i/1113a.b/1113_16.d
 Report Date: 07-Dec-2000 11:44

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1113a.b/1113_16.d
 Lab Smp Id: ICAL @ 5.0ppb
 Inj Date : 13-NOV-2000 21:39
 Operator : DB
 Smp Info : ICAL @ 5.0ppb
 Misc Info : 1;1;15;;15;;V110100-8;4
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1113a.b/8260.m
 Meth Date : 07-Dec-2000 11:43 dvb
 Cal Date : 13-NOV-2000 21:39
 Als bottle: 9
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1113_16.d
 Calibration Sample, Level: 4
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		SIMILARITY
						CAL-AMT (ug/L)	ON-COL (ug/L)	
1 Dichlorodifluoromethane	85	4.389	4.390	(0.281)	684234	5.00000	4.9371	9644
2 Chloromethane (**SPCC**)	50	4.858	4.859	(0.311)	598397	5.00000	4.8902	9500
3 Vinyl Chloride (*CCC*)	62	5.140	5.141	(0.329)	694490	5.00000	4.8712	9755
4 Bromomethane	94	5.970	5.971	(0.382)	433023	5.00000	4.0276	9639(Q)
5 Chloroethane	64	6.224	6.216	(0.399)	257460	5.00000	4.6707	9242
6 Trichlorofluoromethane	101	6.846	6.847	(0.439)	1415127	5.00000	5.4936	9564(Q)
7 Acrolein	56	7.822	7.824	(0.501)	129418	20.0000	17.7	8882
8 Dichlorotrifluoroethane (F123)	83	7.665	7.667	(0.491)	751562	5.00000	4.7702	9368(Q)
9 Trichlorotrifluoroethane (F113)	101	8.087	8.089	(0.518)	722746	5.00000	5.4842	6781(Q)
10 Acetone	43	8.166	8.177	(0.523)	385068	10.0000	10.0	8854
11 1,1-Dichloroethene(*CCC*)	96	8.087	8.089	(0.518)	662104	5.00000	5.1118	7993(Q)
12 Iodomethane	142	8.460	8.461	(0.542)	1168328	10.0000	10.0	9508(Q)
13 Carbon Disulfide	76	8.646	8.648	(0.554)	3940973	10.0000	9.2512	9507
14 Methylene Chloride	84	9.233	9.234	(0.592)	968316	5.00000	4.0768	9495(Q)
15 TBA	59	9.497	9.498	(0.608)	5692881	500.000	463	9534
16 Acrylonitrile	53	9.790	9.801	(0.627)	518192	20.0000	20.3	9776

Compounds	QUANT SIG				AMOUNTS			SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	
=====	====	==	=====	=====	=====	=====	=====	=====
17 MTBE	73	9.927	9.928	(0.636)	2213786	5.00000	4.9643	6445
18 trans-1,2-Dichloroethene	96	9.927	9.928	(0.636)	905539	5.00000	5.2315	8536(Q)
19 1,1-Dichloroethane (**SPCC**)	63	10.952	10.953	(0.702)	1872651	5.00000	5.6362	9686
20 DIPE	100	10.942	10.963	(0.701)	63274	10.0000	10.8	9700
21 Vinyl acetate	43	11.079	11.060	(0.710)	1735603	10.0000	11.3	9042(M)
22 1,4-DIOXANE	88	11.118	11.109	(0.712)	68714	25.0000	25.6	9178
23 2-Butanone (MEK)	43	11.118	11.119	(0.712)	2788006	10.0000	9.4274	3414(M)
24 ETBE	87	12.065	12.056	(0.773)	1028214	5.00000	5.2418	9574
25 2,2-Dichloropropene	77	12.456	12.456	(0.798)	1204447	5.00000	5.4208	8101
26 cis 1,2-Dichloroethene	96	12.456	12.447	(0.798)	1015445	5.00000	5.2783	8797(Q)
27 Bromochloromethane	128	13.081	13.081	(0.838)	459240	5.00000	5.0008	9192(Q)
28 Chloroform (*CCC*)	83	13.276	13.277	(0.850)	1938775	5.00000	5.3160	9580(Q)
\$ 29 Dibromofluoromethane (S)	113	13.696	13.707	(0.877)	977491	5.00000	5.1641	9179(Q)
30 1,1,1-Trichloroethane	97	13.823	13.814	(0.886)	1533660	5.00000	5.5723	9499(Q)
31 1,1-Dichloropropene	75	14.262	14.273	(0.914)	1322023	5.00000	5.5111	9490
32 Carbon Tetrachloride	117	14.301	14.303	(0.916)	1223491	5.00000	5.5943	7187(Q)
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.643	14.644	(0.938)	1277799	5.00000	5.2735	9275
34 Benzene	78	14.848	14.840	(0.951)	3573510	5.00000	5.2608	8255
35 1,2-Dichloroethane	62	14.858	14.859	(0.952)	1556376	5.00000	5.3002	8832
36 TAME	73	15.132	15.142	(0.969)	2358717	5.00000	5.1752	9585
* 37 Fluorobenzene (IS)	96	15.610	15.611	(1.000)	15202775	20.0000		9610
38 Trichloroethene	95	16.694	16.695	(1.069)	1016871	5.00000	5.2506	9272(Q)
39 1,2-Dichloropropene(*CCC*)	63	17.338	17.339	(1.111)	897383	5.00000	5.4648	9393(Q)
40 Dibromomethane	93	17.700	17.711	(1.134)	487430	5.00000	5.3541	8874(Q)
41 Bromodichloromethane	83	18.159	18.170	(1.163)	1304745	5.00000	5.3139	9594(Q)
42 2-chloroethyl vinyl ether	63	19.076	19.077	(1.222)	712652	10.0000	10.1	9338
43 cis-1,3-Dichloropropene	75	19.584	19.585	(1.255)	1372950	5.00000	5.6230	9451(Q)
44 4-Methyl-2-pentanone (MIBK)	43	20.052	20.044	(1.285)	767444	10.0000	9.4394	9437(Q)
\$ 45 Toluene-d8 (S)	98	20.481	20.483	(1.312)	3332124	5.00000	5.2453	9734
46 Toluene (*CCC*)	92	20.696	20.698	(0.812)	2438844	5.00000	5.2878	9648(Q)
47 trans-1,3-Dichloropropene	75	21.389	21.391	(0.839)	1068311	5.00000	5.5316	9593(Q)
48 1,1,2-Trichloroethane	83	22.014	22.006	(0.864)	508967	5.00000	5.0456	8628(Q)
49 Tetrachloroethene	166	22.590	22.592	(0.886)	769808	5.00000	5.3707	8987(Q)
50 1,3-Dichloropropene	76	22.600	22.583	(0.887)	1176806	5.00000	5.4171	8880
M 51 Total Xylenes	106				4903428	15.0000	16.2	0
52 2-Hexanone	43	22.864	22.866	(0.897)	509701	10.0000	11.7	9649(Q)
53 Dibromochloromethane	129	23.391	23.393	(0.918)	747788	5.00000	5.5721	9443(Q)
54 1,2-Dibromoethane	107	23.802	23.804	(0.934)	624826	5.00000	5.2954	9533(Q)
M 55 Total Trihalomethanes	100				4250123	20.0000	21.7	0
* 56 Chlorobenzene-d5	117	25.490	25.483	(1.000)	11610980	20.0000		9365
57 Chlorobenzene (**SPCC**)	112	25.598	25.591	(1.004)	2591238	5.00000	5.4073	9275(Q)
58 1,1,1,2-Tetrachloroethane	131	25.881	25.884	(1.015)	875807	5.00000	5.5356	9333(Q)
59 Ethylbenzene (*CCC*)	91	25.998	26.001	(1.020)	4523597	5.00000	5.3234	9766
60 m+p-Xylenes	106	26.418	26.421	(1.036)	3255212	10.0000	10.7	9736(Q)
61 o-Xylene	106	27.756	27.749	(1.089)	1648216	5.00000	5.4730	8260(Q)
62 Styrene	104	27.795	27.788	(1.090)	2737830	5.00000	5.3744	9739(Q)
63 Bromoform (**SPCC**)	173	28.361	28.355	(1.113)	258815	5.00000	5.5444	8535(Q)

Compounds	QUANT SIG		AMOUNTS				SIMILARITY	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)		ON-COL (ug/L)
64 Isopropylbenzene	105	28.898	28.902	(1.134)	4350751	5.00000	5.3382	9656
\$ 65 4-Bromofluorobenzene (S)	95	29.348	29.342	(0.905)	1365884	5.00000	5.0430	8846(Q)
66 1,1,2,2-TetrachloroethaneSPCC	83	29.749	29.753	(0.917)	648423	5.00000	5.2740	5130(Q)
67 Bromobenzene	156	29.778	29.772	(0.918)	939072	5.00000	5.3939	9076(Q)
68 1,2,3-Trichloropropane	110	29.866	29.870	(0.921)	207157	5.00000	4.8547	8078(Q)
69 n-Propylbenzene	91	30.091	30.086	(0.928)	5305878	5.00000	5.2803	9674
70 2-Chlorotoluene	126	30.326	30.320	(0.935)	1020518	5.00000	5.3373	9343(Q)
71 1,3,5-Trimethylbenzene	105	30.580	30.575	(0.943)	3638237	5.00000	5.3468	9449(Q)
72 4-Chlorotoluene	126	30.619	30.624	(0.944)	1035439	5.00000	5.3594	9287(Q)
73 tert-Butylbenzene	119	31.440	31.435	(0.970)	3157449	5.00000	5.3222	8769(Q)
74 1,2,4-Trimethylbenzene	105	31.558	31.563	(0.973)	3711079	5.00000	5.2599	9613
75 sec-Butylbenzene	105	31.997	31.993	(0.987)	4601975	5.00000	5.3940	9657
76 bis(2Chloroethyl)Ether	93	32.037	32.022	(2.052)	131292	25.0000	30.6	9321(Q)
77 1,3-Dichlorobenzene	146	32.271	32.267	(0.995)	1918023	5.00000	5.4157	9516(Q)
78 4-Isopropyltoluene	119	32.359	32.355	(0.998)	3790146	5.00000	5.2279	9556
* 79 1,4 Dichlorobenzene-d4	152	32.428	32.424	(1.000)	5279135	20.0000		8855(Q)
80 1,4-Dichlorobenzene	146	32.487	32.492	(1.002)	1879915	5.00000	5.3693	9315(Q)
81 n-Butylbenzene	91	33.338	33.334	(1.028)	3765015	5.00000	5.4112	9545(Q)
82 1,2-Dichlorobenzene	146	33.377	33.373	(1.029)	1679349	5.00000	5.2626	9010(Q)
83 1,2-Dibromo-3-chloropropane	157	35.101	35.108	(1.082)	87534	5.00000	4.8971	8607(Q)
84 1,2,4-Trichlorobenzene	180	36.846	36.844	(1.136)	772886	5.00000	5.2232	8734(Q)
85 Hexachlorobutadiene	225	37.180	37.178	(1.147)	257400	5.00000	5.4427	7483(Q)
86 Napthalene	128	37.347	37.345	(1.152)	1820308	5.00000	4.9178	9523
87 1,2,3-Trichlorobenzene	180	37.848	37.846	(1.167)	631045	5.00000	5.2191	8748(Q)

Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

00307

Data File: /var/chem/MSDA.i/1113a.b/1113_16.d
 Report Date: 07-Dec-2000 11:44

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1113_16.d
 Lab Smp Id: ICAL @ 5.0ppb
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB

Calibration Date: 13-NOV-2000
 Calibration Time: 23:14
 Level: LOW
 Sample Type: WATER

Method File: /var/chem/MSDA.i/1113a.b/8260.m
 Misc Info: 1;1;15;;15;;V110100-8;4

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15372622	7686311	30745244	15202775	-1.10
56 Chlorobenzene-d5	11925762	5962881	23851524	11610980	-2.64
79 1,4 Dichlorobenze	5885430	2942715	11770860	5279135	-10.30

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.61	15.11	16.11	15.61	-0.01
56 Chlorobenzene-d5	25.49	24.99	25.99	25.49	0.02
79 1,4 Dichlorobenze	32.43	31.93	32.93	32.43	0.00

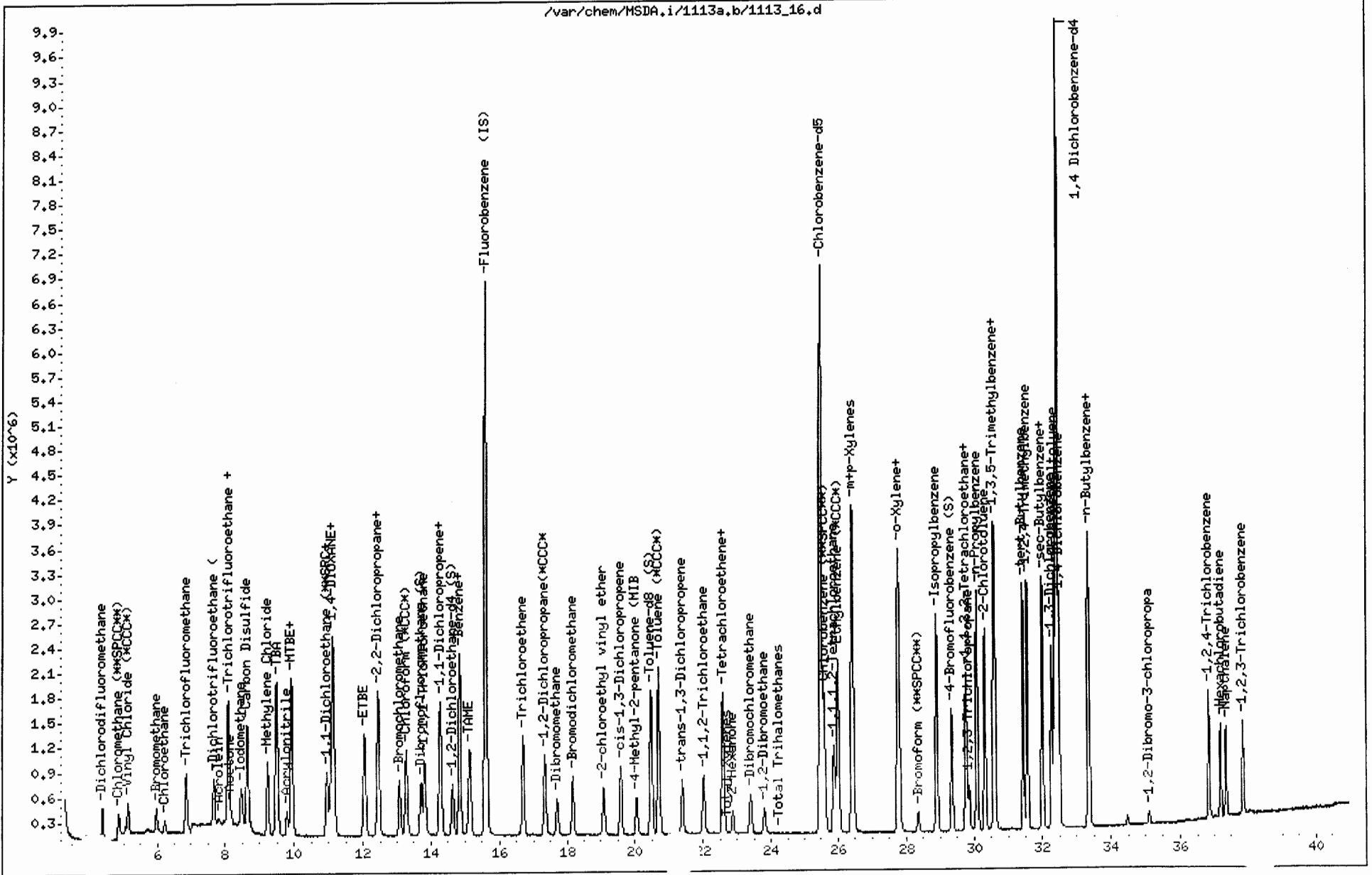
AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

00303

Data File: /var/chem/MSDA.i/1113a,b/1113_16.d
 Date : 13-NOV-2000 21:39
 Client ID:
 Sample Info: ICAL @ 5.0ppb
 Purge Volume: 15.0
 Column phase: DB-624

Instrument: MSDA.i
 Operator: DB
 Column diameter: 0.32

/var/chem/MSDA.i/1113a,b/1113_16.d



Data File: /var/chem/MSDA.i/1113a.b/1113_17.d
 Report Date: 07-Dec-2000 11:44

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1113a.b/1113_17.d
 Lab Smp Id: ICAL @ 10.0ppb
 Inj Date : 13-NOV-2000 22:27
 Operator : DB Inst ID: MSDA.i
 Smp Info : ICAL @ 10.0ppb
 Misc Info : 1;1;15;;15;;V110100-8;5
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1113a.b/8260.m
 Meth Date : 07-Dec-2000 11:43 dvb Quant Type: ISTD
 Cal Date : 13-NOV-2000 22:27 Cal File: 1113_17.d
 Als bottle: 10 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		SIMILARITY
								CAL-AMT (ug/L)	ON-COL (ug/L)	
1 Dichlorodifluoromethane	85			4.390	4.390	(0.281)	1692944	10.0000	11.1	9716
2 Chloromethane (**SPCC**)	50			4.859	4.859	(0.311)	1486068	10.0000	10.2	9658
3 Vinyl Chloride (*CCC*)	62			5.141	5.141	(0.329)	1759098	10.0000	10.7	9797
4 Bromomethane	94			5.971	5.971	(0.382)	907738	10.0000	8.9361	9687(Q)
5 Chloroethane	64			6.216	6.216	(0.398)	708326	10.0000	10.5	9581
6 Trichlorofluoromethane	101			6.847	6.847	(0.439)	2903050	10.0000	10.7	9612(Q)
7 Acrolein	56			7.824	7.824	(0.501)	267404	40.0000	37.9	8519
8 Dichlorotrifluoroethane (F123)	83			7.667	7.667	(0.491)	1685936	10.0000	10.3	9371(Q)
9 Trichlorotrifluoroethane (F113)	101			8.089	8.089	(0.518)	1508314	10.0000	10.8	6872(Q)
10 Acetone	43			8.177	8.177	(0.524)	716199	20.0000	22.1	9351
11 1,1-Dichloroethene(*CCC*)	96			8.089	8.089	(0.518)	1307374	10.0000	10.0	7971(Q)
12 Iodomethane	142			8.461	8.461	(0.542)	3369294	20.0000	19.1	9502(QM)
13 Carbon Disulfide	76			8.648	8.648	(0.554)	9561224	20.0000	23.0	9432
14 Methylene Chloride	84			9.234	9.234	(0.592)	1909422	10.0000	9.4155	9605(Q)
15 TBA	59			9.498	9.498	(0.608)	12322665	1000.00	1060	9517
16 Acrylonitrile	53			9.801	9.801	(0.628)	1137098	40.0000	40.8	9811

Compounds	QUANT SIG		AMOUNTS				SIMILARITY	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)		ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====	
17 MTBE	73	9.928	9.928	(0.636)	4630751	10.0000	10.2	6704
18 trans-1,2-Dichloroethene	96	9.928	9.928	(0.636)	1827955	10.0000	10.3	8726(Q)
19 1,1-Dichloroethane (**SPCC**)	63	10.953	10.953	(0.702)	3723817	10.0000	10.6	9595
20 DIPE	100	10.963	10.963	(0.702)	124481	20.0000	20.4	9689
21 Vinyl acetate	43	11.060	11.060	(0.708)	3319656	20.0000	19.4	9040(M)
22 1,4-DIOXANE	88	11.109	11.109	(0.712)	141785	50.0000	49.2	9423
23 2-Butanone (MEK)	43	11.119	11.119	(0.712)	5382745	20.0000	20.4	3322(M)
24 ETBE	87	12.056	12.056	(0.772)	2212895	10.0000	10.4	9557
25 2,2-Dichloropropane	77	12.456	12.456	(0.798)	2610179	10.0000	10.8	8078
26 cis 1,2-Dichloroethene	96	12.447	12.447	(0.797)	2079079	10.0000	10.5	8818(Q)
27 Bromochloromethane	128	13.081	13.081	(0.838)	959698	10.0000	10.4	9526(Q)
28 Chloroform (*CCC*)	83	13.277	13.277	(0.850)	3882083	10.0000	10.4	9562(Q)
\$ 29 Dibromofluoromethane (S)	113	13.707	13.707	(0.878)	1994064	10.0000	10.2	9232(Q)
30 1,1,1-Trichloroethane	97	13.814	13.814	(0.885)	3186725	10.0000	10.8	9447(Q)
31 1,1-Dichloropropene	75	14.273	14.273	(0.914)	2730184	10.0000	10.7	9404
32 Carbon Tetrachloride	117	14.303	14.303	(0.916)	2587895	10.0000	10.8	7225(Q)
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.644	14.644	(0.938)	2596176	10.0000	10.4	9295
34 Benzene	78	14.840	14.840	(0.951)	7168677	10.0000	10.8	8243
35 1,2-Dichloroethane	62	14.859	14.859	(0.952)	3195278	10.0000	10.5	8882
36 TAME	73	15.142	15.142	(0.970)	4970063	10.0000	10.4	9676
* 37 Fluorobenzene (IS)	96	15.611	15.611	(1.000)	15282794	20.0000		9609
38 Trichloroethene	95	16.695	16.695	(1.069)	2138282	10.0000	10.6	9296(Q)
39 1,2-Dichloropropane(*CCC*)	63	17.339	17.339	(1.111)	1846616	10.0000	10.4	9393(Q)
40 Dibromomethane	93	17.711	17.711	(1.134)	1013478	10.0000	10.4	8825(Q)
41 Bromodichloromethane	83	18.170	18.170	(1.164)	2740284	10.0000	10.3	9579(Q)
42 2-chloroethyl vinyl ether	63	19.077	19.077	(1.222)	1591663	20.0000	20.3	9286
43 cis-1,3-Dichloropropene	75	19.585	19.585	(1.255)	2865104	10.0000	10.6	9564(Q)
44 4-Methyl-2-pentanone (MIBK)	43	20.044	20.044	(1.284)	1756467	20.0000	20.6	9415(Q)
\$ 45 Toluene-d8 (S)	98	20.483	20.483	(1.312)	6762628	10.0000	10.8	9710
46 Toluene (*CCC*)	92	20.698	20.698	(0.812)	4986250	10.0000	10.6	9681(Q)
47 trans-1,3-Dichloropropene	75	21.391	21.391	(0.839)	2336337	10.0000	10.5	9490(Q)
48 1,1,2-Trichloroethane	83	22.006	22.006	(0.864)	1098878	10.0000	10.2	8664(Q)
49 Tetrachloroethene	166	22.592	22.592	(0.887)	1614679	10.0000	10.6	8918(Q)
50 1,3-Dichloropropane	76	22.583	22.583	(0.886)	2479654	10.0000	10.6	9001
M 51 Total Xylenes	106				10105366	30.0000	32.3	0
52 2-Hexanone	43	22.866	22.866	(0.897)	1114937	20.0000	21.4	9511(Q)
53 Dibromochloromethane	129	23.393	23.393	(0.918)	1636030	10.0000	10.5	9394(Q)
54 1,2-Dibromoethane	107	23.804	23.804	(0.934)	1337606	10.0000	10.4	9680(Q)
M 55 Total Trihalomethanes	100				8878381	40.0000	41.4	0
* 56 Chlorobenzene-d5	117	25.483	25.483	(1.000)	11802107	20.0000		9402
57 Chlorobenzene (**SPCC**)	112	25.591	25.591	(1.004)	5244179	10.0000	10.6	9542(Q)
58 1,1,1,2-Tetrachloroethane	131	25.884	25.884	(1.016)	1897977	10.0000	10.6	9386(Q)
59 Ethylbenzene (*CCC*)	91	26.001	26.001	(1.020)	9216175	10.0000	11.3	9772
60 m+p-Xylenes	106	26.421	26.421	(1.037)	6717887	20.0000	21.6	9743(Q)
61 o-Xylene	106	27.749	27.749	(1.089)	3387479	10.0000	10.7	8521(Q)
62 Styrene	104	27.788	27.788	(1.090)	5734616	10.0000	11.1	9456(Q)
63 Bromoform (**SPCC**)	173	28.355	28.355	(1.113)	619984	10.0000	10.2	8369(Q)

Compounds	QUANT SIG		AMOUNTS					SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	
64 Isopropylbenzene	105	28.902	28.902	(1.134)	9009857	10.0000	11.2	9732
\$ 65 4-Bromofluorobenzene (S)	95	29.342	29.342	(0.905)	2889732	10.0000	10.1	8781(Q)
66 1,1,2,2-TetrachloroethaneSPCC	83	29.753	29.753	(0.918)	1415203	10.0000	10.2	4755(Q)
67 Bromobenzene	156	29.772	29.772	(0.918)	1948907	10.0000	10.3	8878(Q)
68 1,2,3-Trichloropropane	110	29.870	29.870	(0.921)	442145	10.0000	9.7756	7994(Q)
69 n-Propylbenzene	91	30.086	30.086	(0.928)	11138708	10.0000	10.8	9656
70 2-Chlorotoluene	126	30.320	30.320	(0.935)	2124455	10.0000	10.2	9297(Q)
71 1,3,5-Trimethylbenzene	105	30.575	30.575	(0.943)	7654177	10.0000	11.0	9610(Q)
72 4-Chlorotoluene	126	30.624	30.624	(0.944)	2181795	10.0000	10.3	9480(Q)
73 tert-Butylbenzene	119	31.435	31.435	(0.970)	6575925	10.0000	10.7	8726(Q)
74 1,2,4-Trimethylbenzene	105	31.563	31.563	(0.973)	7777639	10.0000	10.9	9718(Q)
75 sec-Butylbenzene	105	31.993	31.993	(0.987)	9779348	10.0000	11.5	9701
76 bis(2Chloroethyl)Ether	93	32.022	32.022	(2.051)	296747	50.0000	51.0	9649(Q)
77 1,3-Dichlorobenzene	146	32.267	32.267	(0.995)	4145886	10.0000	10.6	9315(Q)
78 4-Isopropyltoluene	119	32.355	32.355	(0.998)	8114825	10.0000	11.2	9639
* 79 1,4-Dichlorobenzene-d4	152	32.424	32.424	(1.000)	5615739	20.0000		8867(Q)
80 1,4-Dichlorobenzene	146	32.492	32.492	(1.002)	4066295	10.0000	10.5	9364(Q)
81 n-Butylbenzene	91	33.334	33.334	(1.028)	8100208	10.0000	11.4	9545(Q)
82 1,2-Dichlorobenzene	146	33.373	33.373	(1.029)	3630074	10.0000	10.4	8818(Q)
83 1,2-Dibromo-3-chloropropane	157	35.108	35.108	(1.083)	201680	10.0000	9.7518	8787(Q)
84 1,2,4-Trichlorobenzene	180	36.844	36.844	(1.136)	1829371	10.0000	10.7	8736(Q)
85 Hexachlorobutadiene	225	37.178	37.178	(1.147)	593841	10.0000	10.9	7450(Q)
86 Napthalene	128	37.345	37.345	(1.152)	4356115	10.0000	10.6	9631
87 1,2,3-Trichlorobenzene	180	37.846	37.846	(1.167)	1475357	10.0000	10.6	8778(Q)

Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: /var/chem/MSDA.i/1113a.b/1113_17.d
Report Date: 07-Dec-2000 11:44

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSDA.i
Lab File ID: 1113_17.d
Lab Smp Id: ICAL @ 10.0ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: DB

Calibration Date: 13-NOV-2000
Calibration Time: 23:14

Level: LOW
Sample Type: WATER

Method File: /var/chem/MSDA.i/1113a.b/8260.m
Misc Info: 1;1;15;;15;;V110100-8;5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I)	15372622	7686311	30745244	15282794	-0.58
56 Chlorobenzene-d5	11925762	5962881	23851524	11802107	-1.04
79 1,4 Dichlorobenze	5885430	2942715	11770860	5615739	-4.58

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I)	15.61	15.11	16.11	15.61	-0.01
56 Chlorobenzene-d5	25.49	24.99	25.99	25.48	-0.01
79 1,4 Dichlorobenze	32.43	31.93	32.93	32.42	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA,i/1113a,b/1113_17.d

Date : 13-NOV-2000 22:27

Client ID:

Sample Info: ICAL @ 10,0ppb

Purge Volume: 15.0

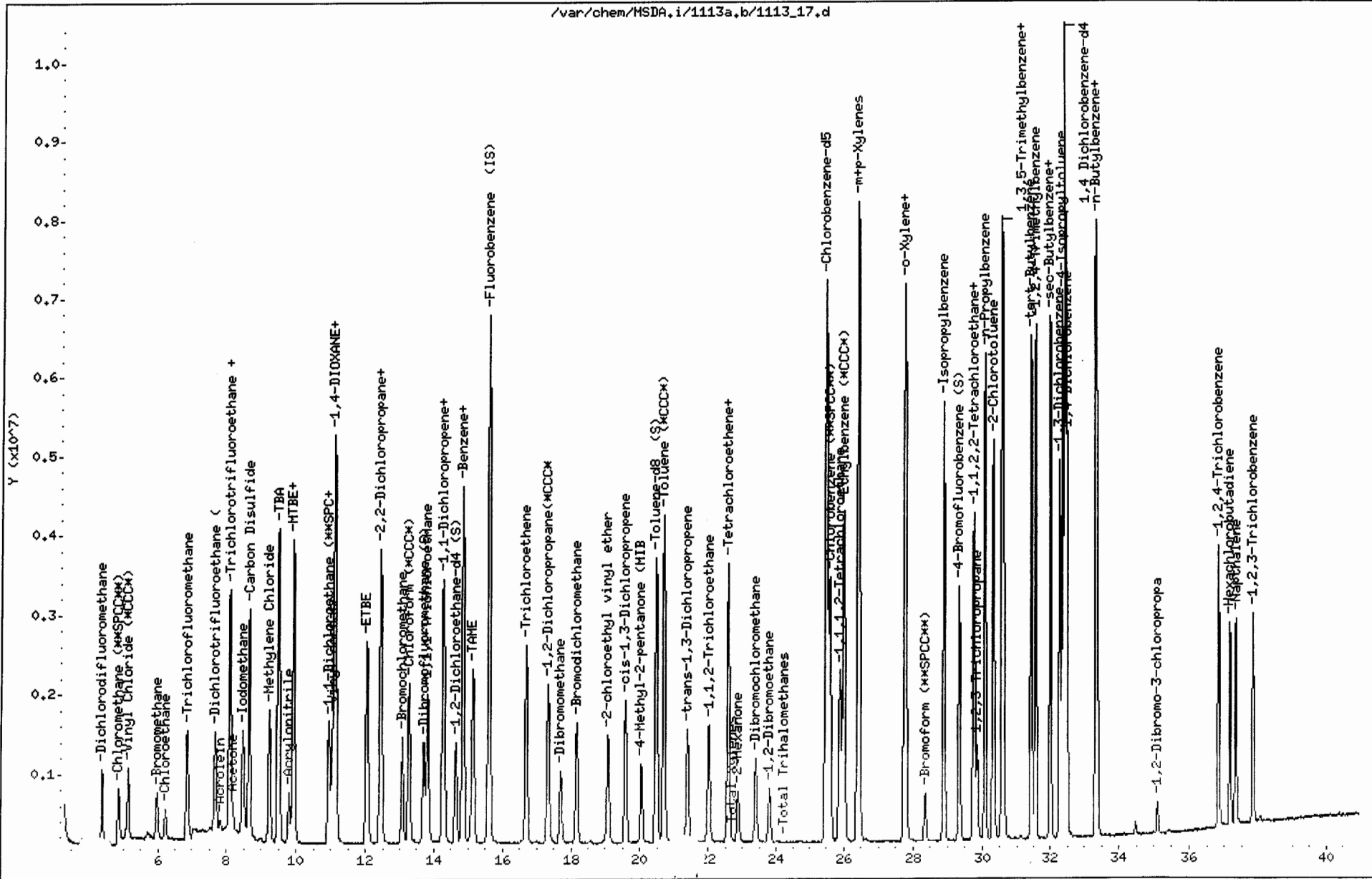
Column phase: DB-624

Instrument: MSDA.i

Operator: DB

Column diameter: 0.32

/var/chem/MSDA,i/1113a,b/1113_17.d



Data File: /var/chem/MSDA.i/1113a.b/1113_18.d
 Report Date: 07-Dec-2000 11:45

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1113a.b/1113_18.d
 Lab Smp Id: ICAL @ 20.0ppb
 Inj Date : 13-NOV-2000 23:14
 Operator : DB
 Smp Info : ICAL @ 20.0ppb
 Misc Info : 1;1;15;;15;;V110100-8;6
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1113a.b/8260.m
 Meth Date : 07-Dec-2000 11:43 dvb
 Cal Date : 13-NOV-2000 23:14
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1113_18.d
 Calibration Sample, Level: 6
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

Compound Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		SIMILARITY
						CAL-AMT (ug/L)	ON-COL (ug/L)	
1 Dichlorodifluoromethane	85	4.390	4.390	(0.281)	3476807	20.0000	22.6	9793
2 Chloromethane (**SPCC**)	50	4.859	4.859	(0.311)	3237041	20.0000	22.2	9568
3 Vinyl Chloride (*CCC*)	62	5.141	5.141	(0.329)	3776975	20.0000	22.9	9815
4 Bromomethane	94	5.962	5.971	(0.382)	1799163	20.0000	17.6	9578(Q)
5 Chloroethane	64	6.216	6.216	(0.398)	1405514	20.0000	20.8	9521
6 Trichlorofluoromethane	101	6.848	6.847	(0.439)	5873623	20.0000	21.5	9653(Q)
7 Acrolein	56	7.814	7.824	(0.500)	571710	80.0000	80.5	8844
8 Dichlorotrifluoroethane (F123)	83	7.667	7.667	(0.491)	3498902	20.0000	21.2	9408(Q)
9 Trichlorotrifluoroethane (F113)	101	8.079	8.089	(0.517)	3009170	20.0000	21.5	6920(Q)
10 Acetone	43	8.177	8.177	(0.524)	1229539	40.0000	34.5	9513(M)
11 1,1-Dichloroethene(*CCC*)	96	8.089	8.089	(0.518)	2775610	20.0000	21.2	8015(Q)
12 Iodomethane	142	8.461	8.461	(0.542)	7755485	40.0000	43.7	9508(QM)
13 Carbon Disulfide	76	8.648	8.648	(0.554)	17775650	40.0000	44.9	9512
14 Methylene Chloride	84	9.235	9.234	(0.592)	3751021	20.0000	18.4	9631(Q)
15 TBA	59	9.489	9.498	(0.608)	25808507	2000.00	2210	9463
16 Acrylonitrile	53	9.792	9.801	(0.627)	2425346	80.0000	86.4	9755

00315

Compounds	QUANT SIG				AMOUNTS			SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	
=====	====	==	=====	=====	=====	=====	=====	=====
17 MTBE	73	9.929	9.928	(0.636)	9662315	20.0000	21.1	6786
18 trans-1,2-Dichloroethene	96	9.919	9.928	(0.635)	3828541	20.0000	21.4	8664(Q)
19 1,1-Dichloroethane (**SPCC**)	63	10.954	10.953	(0.702)	7688245	20.0000	21.8	9685
20 DIPE	100	10.944	10.963	(0.701)	241517	40.0000	39.4	9634
21 Vinyl acetate	43	11.051	11.060	(0.708)	8195729	40.0000	47.6	9085(M)
22 1,4-DIOXANE	88	11.120	11.109	(0.712)	303909	100.0000	105	9167
23 2-Butanone (MEK)	43	11.110	11.119	(0.712)	10574733	40.0000	39.9	3434(M)
24 ETBE	87	12.047	12.056	(0.772)	4657921	20.0000	21.8	9552
25 2,2-Dichloropropane	77	12.448	12.456	(0.797)	5358914	20.0000	21.9	8077
26 cis 1,2-Dichloroethene	96	12.448	12.447	(0.797)	4166627	20.0000	21.0	8816(Q)
27 Bromochloromethane	128	13.082	13.081	(0.838)	1977476	20.0000	21.4	9478(Q)
28 Chloroform (*CCC*)	83	13.278	13.277	(0.850)	8008590	20.0000	21.3	9633(Q)
\$ 29 Dibromofluoromethane (S)	113	13.698	13.707	(0.877)	4319913	20.0000	22.0	9159(Q)
30 1,1,1-Trichloroethane	97	13.825	13.814	(0.886)	6547843	20.0000	22.0	9496(Q)
31 1,1-Dichloropropene	75	14.264	14.273	(0.914)	5579327	20.0000	21.8	9386
32 Carbon Tetrachloride	117	14.303	14.303	(0.916)	5373953	20.0000	22.3	7377(Q)
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.635	14.644	(0.937)	5478304	20.0000	21.8	9216
34 Benzene	78	14.840	14.840	(0.951)	14863200	20.0000	22.2	8245
35 1,2-Dichloroethane	62	14.850	14.859	(0.951)	6632093	20.0000	21.7	8898
36 TAME	73	15.134	15.142	(0.969)	10521453	20.0000	21.8	9556
* 37 Fluorobenzene (IS)	96	15.612	15.611	(1.000)	15372622	20.0000		9612
38 Trichloroethene	95	16.696	16.695	(1.069)	4313048	20.0000	21.3	9334(Q)
39 1,2-Dichloropropane(*CCC*)	63	17.331	17.339	(1.110)	3823066	20.0000	21.5	9374(Q)
40 Dibromomethane	93	17.702	17.711	(1.134)	2115625	20.0000	21.5	8889(Q)
41 Bromodichloromethane	83	18.171	18.170	(1.164)	5797213	20.0000	21.8	9562(Q)
42 2-chloroethyl vinyl ether	63	19.079	19.077	(1.222)	3456712	40.0000	43.9	9366
cis-1,3-Dichloropropene	75	19.577	19.585	(1.254)	6020613	20.0000	22.1	9464(Q)
4-Methyl-2-pentanone (MIBK)	43	20.035	20.044	(1.283)	3622877	40.0000	42.3	9457(Q)
\$ 45 Toluene-d8 (S)	98	20.475	20.483	(1.311)	13924744	20.0000	22.1	9673
46 Toluene (*CCC*)	92	20.699	20.698	(0.812)	10210205	20.0000	21.5	9573(Q)
47 trans-1,3-Dichloropropene	75	21.383	21.391	(0.839)	5002146	20.0000	22.3	9490(Q)
48 1,1,2-Trichloroethane	83	22.008	22.006	(0.864)	2313491	20.0000	21.4	8633(Q)
49 Tetrachloroethene	166	22.584	22.592	(0.886)	3299172	20.0000	21.4	8923(Q)
50 1,3-Dichloropropane	76	22.594	22.583	(0.887)	5147463	20.0000	21.7	8840
M 51 Total Xylenes	106				20456397	60.0000	67.5	0
52 2-Hexanone	43	22.858	22.866	(0.897)	2404708	40.0000	45.6	9698(Q)
53 Dibromochloromethane	129	23.395	23.393	(0.918)	3533620	20.0000	22.4	9286(Q)
54 1,2-Dibromoethane	107	23.796	23.804	(0.934)	2773309	20.0000	21.4	9679(Q)
M 55 Total Trihalomethanes	100				18696486	80.0000	87.7	0
* 56 Chlorobenzene-d5	117	25.485	25.483	(1.000)	11925762	20.0000		9380
57 Chlorobenzene (**SPCC**)	112	25.593	25.591	(1.004)	10804686	20.0000	21.5	9502(Q)
58 1,1,1,2-Tetrachloroethane	131	25.886	25.884	(1.016)	4023200	20.0000	22.2	9436(Q)
59 Ethylbenzene (*CCC*)	91	25.993	26.001	(1.020)	18788958	20.0000	22.8	9736
60 m+p-Xylenes	106	26.423	26.421	(1.037)	13607286	40.0000	46.1	9727(Q)
61 o-Xylene	106	27.752	27.749	(1.089)	6849111	20.0000	21.4	8308(Q)
62 Styrene	104	27.791	27.788	(1.090)	11554715	20.0000	22.1	9605(Q)
63 Bromoform (**SPCC**)	173	28.348	28.355	(1.112)	1357063	20.0000	22.2	8499(Q)

Compounds	QUANT SIG		AMOUNTS				SIMILARITY	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)		ON-COL (ug/L)
64 Isopropylbenzene	105	28.905	28.902	(1.134)	18034199	20.0000	22.2	9721
\$ 65 4-Bromofluorobenzene (S)	95	29.345	29.342	(0.905)	5967404	20.0000	19.9	8882(Q)
66 1,1,2,2-TetrachloroethaneSPCC	83	29.746	29.753	(0.917)	3016949	20.0000	23.9	5485(Q)
67 Bromobenzene	156	29.775	29.772	(0.918)	3962257	20.0000	19.9	8978(Q)
68 1,2,3-Trichloropropane	110	29.863	29.870	(0.921)	904900	20.0000	19.1	7936(Q)
69 n-Propylbenzene	91	30.089	30.086	(0.928)	21999729	20.0000	21.8	9594
70 2-Chlorotoluene	126	30.323	30.320	(0.935)	4313199	20.0000	19.9	9293(Q)
71 1,3,5-Trimethylbenzene	105	30.578	30.575	(0.943)	15789764	20.0000	21.7	9568(Q)
72 4-Chlorotoluene	126	30.617	30.624	(0.944)	4569115	20.0000	20.6	9223(Q)
73 tert-Butylbenzene	119	31.439	31.435	(0.970)	13905780	20.0000	21.6	8752(Q)
74 1,2,4-Trimethylbenzene	105	31.566	31.563	(0.973)	16294456	20.0000	21.9	9718(Q)
75 sec-Butylbenzene	105	31.997	31.993	(0.987)	20215519	20.0000	22.7	9708
76 bis(2Chloroethyl)Ether	93	32.026	32.022	(2.051)	691754	100.000	118	9610(Q)
77 1,3-Dichlorobenzene	146	32.271	32.267	(0.995)	8719891	20.0000	21.3	9175(Q)
78 4-Isopropyltoluene	119	32.359	32.355	(0.998)	16952738	20.0000	22.2	9621
* 79 1,4 Dichlorobenzene-d4	152	32.427	32.424	(1.000)	5885430	20.0000		9007(Q)
80 1,4-Dichlorobenzene	146	32.486	32.492	(1.002)	8616873	20.0000	21.3	9189(Q)
81 n-Butylbenzene	91	33.338	33.334	(1.028)	16765952	20.0000	22.6	9396(Q)
82 1,2-Dichlorobenzene	146	33.377	33.373	(1.029)	7785997	20.0000	21.2	9083(Q)
83 1,2-Dibromo-3-chloropropane	157	35.112	35.108	(1.083)	463361	20.0000	21.4	9035(Q)
84 1,2,4-Trichlorobenzene	180	36.849	36.844	(1.136)	3975462	20.0000	22.2	8870(Q)
85 Hexachlorobutadiene	225	37.183	37.178	(1.147)	1265629	20.0000	22.2	7654(Q)
86 Napthalene	128	37.341	37.345	(1.152)	9585960	20.0000	22.2	9522
87 1,2,3-Trichlorobenzene	180	37.842	37.846	(1.167)	3198532	20.0000	22.0	8695(Q)

Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: /var/chem/MSDA.i/1113a.b/1113_18.d
Report Date: 07-Dec-2000 11:45

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSDA.i
Lab File ID: 1113_18.d
Lab Smp Id: ICAL @ 20.0ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: DB
Method File: /var/chem/MSDA.i/1113a.b/8260.m
Misc Info: 1;1;15;;15;;V110100-8;6

Calibration Date: 13-NOV-2000
Calibration Time: 23:14
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I)	15372622	7686311	30745244	15372622	0.00
56 Chlorobenzene-d5	11925762	5962881	23851524	11925762	0.00
79 1,4 Dichlorobenze	5885430	2942715	11770860	5885430	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I)	15.61	15.11	16.11	15.61	0.00
56 Chlorobenzene-d5	25.49	24.99	25.99	25.49	0.00
79 1,4 Dichlorobenze	32.43	31.93	32.93	32.43	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA.i/1113a.b/1113_19.d
 Report Date: 07-Dec-2000 11:45

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1113a.b/1113_19.d
 Lab Smp Id: ICAL @ 40.0ppb
 Inj Date : 14-NOV-2000 00:01
 Operator : DB
 Smp Info : ICAL @ 40.0ppb
 Misc Info : 1;1;15;;15;;V110100-8;7
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1113a.b/8260.m
 Meth Date : 07-Dec-2000 11:43 dvb
 Cal Date : 14-NOV-2000 00:01
 Als bottle: 12
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1113_19.d
 Calibration Sample, Level: 7
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		SIMILARITY
						CAL-AMT (ug/L)	ON-COL (ug/L)	
1 Dichlorodifluoromethane	85	4.390	4.390	(0.281)	6572592	40.0000	42.4	9696
2 Chloromethane (**SPCC**)	50	4.859	4.859	(0.311)	6689466	40.0000	45.4	9662
3 Vinyl Chloride (*CCC*)	62	5.133	5.141	(0.329)	7256161	40.0000	43.6	9760
4 Bromomethane	94	5.925	5.971	(0.380)	3567977	40.0000	34.6	9617(Q)
5 Chloroethane	64	6.198	6.216	(0.397)	2970842	40.0000	43.6	9489
6 Trichlorofluoromethane	101	6.839	6.847	(0.438)	11136309	40.0000	40.5	9666(Q)
7 Acrolein	56	7.815	7.824	(0.501)	1122924	160.000	157	8713
8 Dichlorotrifluoroethane (F123)	83	7.658	7.667	(0.491)	6578898	40.0000	39.6	9306(Q)
9 Trichlorotrifluoroethane (F113)	101	8.080	8.089	(0.518)	5711901	40.0000	40.5	6953(Q)
10 Acetone	43	8.178	8.177	(0.524)	2572425	80.0000	71.7	9578
11 1,1-Dichloroethene(*CCC*)	96	8.080	8.089	(0.518)	5195034	40.0000	39.3	7954(Q)
12 Iodomethane	142	8.463	8.461	(0.542)	15433001	80.0000	92.0	9500(QM)
13 Carbon Disulfide	76	8.649	8.648	(0.554)	31538796	80.0000	79.0	9670
14 Methylene Chloride	84	9.227	9.234	(0.591)	7124158	40.0000	34.6	9661(Q)
15 TBA	59	9.500	9.498	(0.609)	42603242	4000.00	3610	8752
16 Acrylonitrile	53	9.793	9.801	(0.628)	4886525	160.000	173	9682

Compounds	QUANT SIG				RESPONSE	AMOUNTS		SIMILARITY
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/L)	ON-COL (ug/L)	
=====	=====	==	=====	=====	=====	=====	=====	
17 MTBE	73	9.920	9.928	(0.636)	19086532	40.0000	41.3	6801
18 trans-1,2-Dichloroethene	96	9.920	9.928	(0.636)	7152938	40.0000	39.7	8707(Q)
19 1,1-Dichloroethane (**SPCC**)	63	10.946	10.953	(0.701)	14702030	40.0000	41.2	9687
20 DIPE	100	10.956	10.963	(0.702)	520381	80.0000	84.3	9651
21 Vinyl acetate	43	11.054	11.060	(0.708)	14074241	80.0000	81.0	9051(M)
22 1,4-DIOXANE	88	11.122	11.109	(0.713)	624062	200.000	214	9255
23 2-Butanone (MEK)	43	11.112	11.119	(0.712)	21267743	80.0000	79.7	3718(M)
24 ETBE	87	12.050	12.056	(0.772)	9188615	40.0000	42.6	9526
25 2,2-Dichloropropane	77	12.450	12.456	(0.798)	10543305	40.0000	42.8	8104
26 cis 1,2-Dichloroethene	96	12.440	12.447	(0.797)	8096291	40.0000	40.4	8825(Q)
27 Bromochloromethane	128	13.075	13.081	(0.838)	3849359	40.0000	41.2	9301(Q)
28 Chloroform (*CCC*)	83	13.271	13.277	(0.850)	15433164	40.0000	40.8	9639(Q)
\$ 29 Dibromofluoromethane (S)	113	13.701	13.707	(0.878)	8052670	40.0000	40.6	9213(Q)
30 1,1,1-Trichloroethane	97	13.818	13.814	(0.885)	12539907	40.0000	41.7	9433(Q)
31 1,1-Dichloropropene	75	14.258	14.273	(0.914)	10608710	40.0000	41.0	9399
32 Carbon Tetrachloride	117	14.297	14.303	(0.916)	10283359	40.0000	42.2	7131(Q)
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.639	14.644	(0.938)	10421213	40.0000	41.1	9566
34 Benzene	78	14.834	14.840	(0.951)	28310875	40.0000	41.9	8332
35 1,2-Dichloroethane	62	14.844	14.859	(0.951)	12687112	40.0000	41.2	8863
36 TAME	73	15.137	15.142	(0.970)	20869799	40.0000	42.9	9541
* 37 Fluorobenzene (IS)	96	15.606	15.611	(1.000)	15498210	20.0000		9655
38 Trichloroethene	95	16.690	16.695	(1.069)	8342154	40.0000	40.8	9274(Q)
39 1,2-Dichloropropane(*CCC*)	63	17.335	17.339	(1.111)	7558556	40.0000	42.2	9407(Q)
40 Dibromomethane	93	17.696	17.711	(1.134)	4245936	40.0000	42.8	8799(Q)
41 Bromodichloromethane	83	18.165	18.170	(1.164)	11504413	40.0000	42.8	9516(Q)
42 2-chloroethyl vinyl ether	63	19.073	19.077	(1.222)	6929143	80.0000	87.3	9328
43 cis-1,3-Dichloropropene	75	19.572	19.585	(1.254)	11842182	40.0000	43.2	9449(Q)
44 4-Methyl-2-pentanone (MIBK)	43	20.040	20.044	(1.284)	7253370	80.0000	83.9	9366(Q)
\$ 45 Toluene-d8 (S)	98	20.480	20.483	(1.312)	25821715	40.0000	40.7	9671
46 Toluene (*CCC*)	92	20.695	20.698	(0.812)	19492690	40.0000	40.5	9503(Q)
47 trans-1,3-Dichloropropene	75	21.388	21.391	(0.839)	10159052	40.0000	44.8	9472(Q)
48 1,1,2-Trichloroethane	83	22.013	22.006	(0.864)	4613063	40.0000	42.1	8695(Q)
49 Tetrachloroethene	166	22.580	22.592	(0.886)	6343954	40.0000	40.6	9001(Q)
50 1,3-Dichloropropane	76	22.590	22.583	(0.886)	10093502	40.0000	42.0	8789
M 51 Total Xylenes	106				39358464	120.000	128	0
52 2-Hexanone	43	22.864	22.866	(0.897)	4885339	80.0000	91.5	9657(Q)
53 Dibromochloromethane	129	23.391	23.393	(0.918)	7213375	40.0000	45.2	9317(Q)
54 1,2-Dibromoethane	107	23.802	23.804	(0.934)	5539759	40.0000	42.2	9600(Q)
M 55 Total Trihalomethanes	100				37087776	160.000	176	0
* 56 Chlorobenzene-d5	117	25.482	25.483	(1.000)	12066923	20.0000		9346
57 Chlorobenzene (**SPCC**)	112	25.589	25.591	(1.004)	21163947	40.0000	41.7	9492(Q)
58 1,1,1,2-Tetrachloroethane	131	25.882	25.884	(1.016)	7873109	40.0000	43.0	9361(Q)
59 Ethylbenzene (*CCC*)	91	26.000	26.001	(1.020)	34344236	40.0000	41.2	9402
60 m+p-Xylenes	106	26.420	26.421	(1.037)	26199381	80.0000	87.7	8712(Q)
61 o-Xylene	106	27.749	27.749	(1.089)	13159083	40.0000	40.7	8415(Q)
62 Styrene	104	27.798	27.788	(1.091)	22483603	40.0000	42.6	9654(Q)
63 Bromoform (**SPCC**)	173	28.355	28.355	(1.113)	2936824	40.0000	47.3	8513(Q)

Compounds	QUANT SIG				AMOUNTS		SIMILARITY	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)		ON-COL (ug/L)
64 Isopropylbenzene	105	28.902	28.902	(1.134)	30574975	40.0000	37.2	9189
\$ 65 4-Bromofluorobenzene (S)	95	29.342	29.342	(0.905)	12006616	40.0000	39.1	8862(Q)
66 1,1,2,2-TetrachloroethaneSPCC	83	29.744	29.753	(0.917)	6367355	40.0000	42.8	5658(QH)
67 Bromobenzene	156	29.773	29.772	(0.918)	8338738	40.0000	41.0	8889(Q)
68 1,2,3-Trichloropropane	110	29.861	29.870	(0.921)	1978121	40.0000	40.8	8024(Q)
69 n-Propylbenzene	91	30.086	30.086	(0.928)	32897178	40.0000	31.9	8214(Q)
70 2-Chlorotoluene	126	30.321	30.320	(0.935)	9020612	40.0000	40.6	9053(Q)
71 1,3,5-Trimethylbenzene	105	30.576	30.575	(0.943)	27428334	40.0000	36.9	9230(Q)
72 4-Chlorotoluene	126	30.615	30.624	(0.944)	9167016	40.0000	40.6	8802(Q)
73 tert-Butylbenzene	119	31.437	31.435	(0.969)	25272768	40.0000	38.4	8433(Q)
74 1,2,4-Trimethylbenzene	105	31.555	31.563	(0.973)	27201373	40.0000	35.7	9110(Q)
75 sec-Butylbenzene	105	31.986	31.993	(0.986)	29934511	40.0000	32.9	8806
76 bis(2Chloroethyl)Ether	93	32.025	32.022	(2.052)	1449537	200.000	246	9620(Q)
77 1,3-Dichlorobenzene	146	32.270	32.267	(0.995)	17370687	40.0000	41.6	9082(Q)
78 4-Isopropyltoluene	119	32.358	32.355	(0.998)	27025557	40.0000	34.7	8790(Q)
* 79 1,4-Dichlorobenzene-d4	152	32.427	32.424	(1.000)	6014532	20.0000		9073(Q)
80 1,4-Dichlorobenzene	146	32.485	32.492	(1.002)	17355929	40.0000	42.0	9130(Q)
81 n-Butylbenzene	91	33.328	33.334	(1.028)	26547445	40.0000	35.1	8852(Q)
82 1,2-Dichlorobenzene	146	33.377	33.373	(1.029)	15632612	40.0000	41.7	9035(Q)
83 1,2-Dibromo-3-chloropropane	157	35.112	35.108	(1.083)	1021239	40.0000	46.1	9075(Q)
84 1,2,4-Trichlorobenzene	180	36.849	36.844	(1.136)	7917530	40.0000	43.4	8938(Q)
85 Hexachlorobutadiene	225	37.184	37.178	(1.147)	2489868	40.0000	42.8	7709(Q)
86 Napthalene	128	37.341	37.345	(1.152)	19105435	40.0000	43.2	9427
87 1,2,3-Trichlorobenzene	180	37.843	37.846	(1.167)	6434456	40.0000	43.3	8746(Q)

Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: /var/chem/MSDA.i/1113a.b/1113_19.d
 Report Date: 07-Dec-2000 11:45

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1113_19.d
 Lab Smp Id: ICAL @ 40.0ppb
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB
 Method File: /var/chem/MSDA.i/1113a.b/8260.m
 Misc Info: 1;1;15;;15;;V110100-8;7

Calibration Date: 13-NOV-2000
 Calibration Time: 23:14
 Level: LOW
 Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15372622	7686311	30745244	15498210	0.82
56 Chlorobenzene-d5	11925762	5962881	23851524	12066923	1.18
79 1,4 Dichlorobenze	5885430	2942715	11770860	6014532	2.19

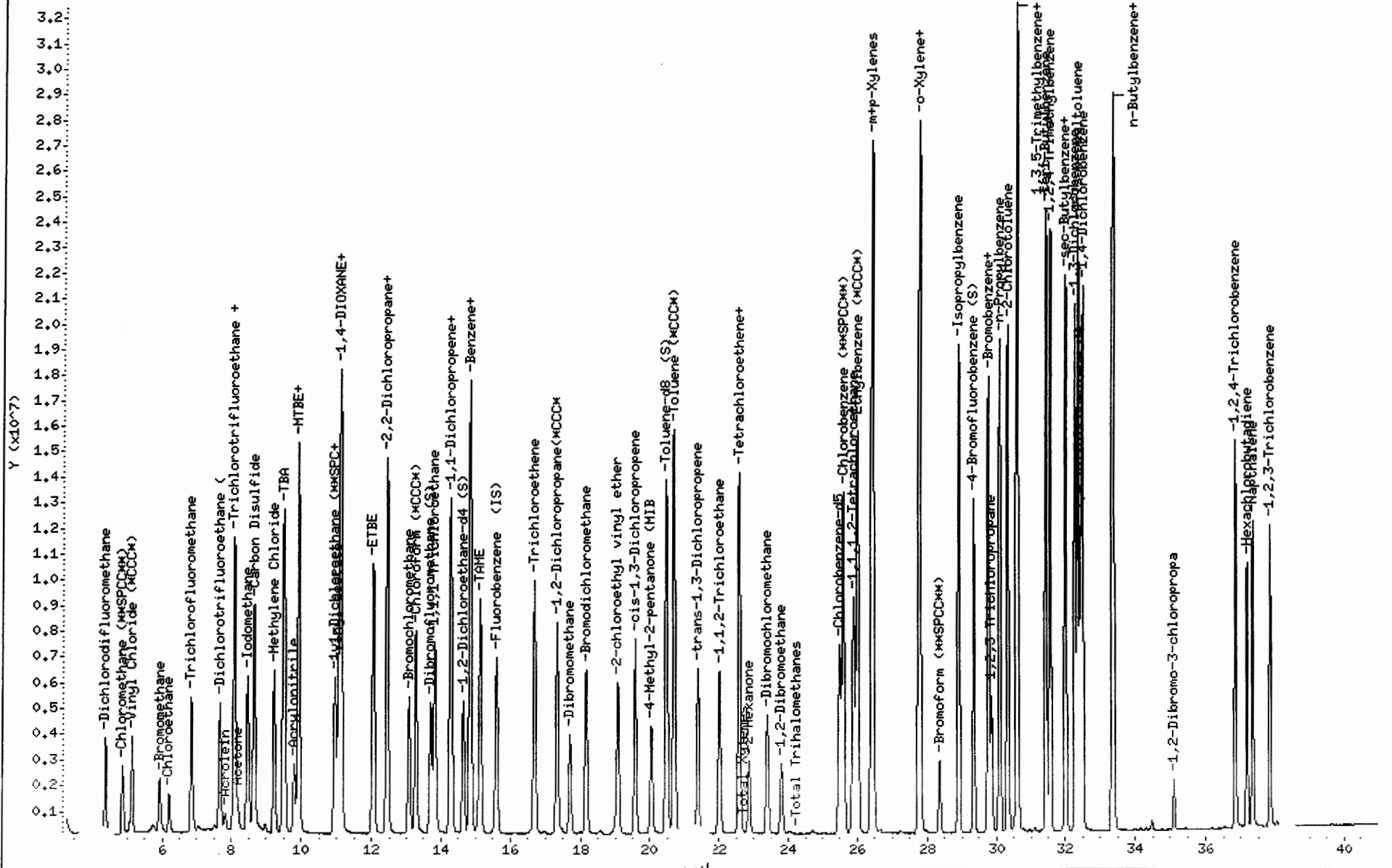
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.61	15.11	16.11	15.61	-0.04
56 Chlorobenzene-d5	25.49	24.99	25.99	25.48	-0.01
79 1,4 Dichlorobenze	32.43	31.93	32.93	32.43	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA.i/1113a,b/1113_19.d
 Date : 14-NOV-2000 00:01
 Client ID:
 Sample Info: ICAL @ 40.0ppb
 Purge Volume: 15.0
 Column phase: DB-624

Instrument: MSDA.i
 Operator: DB
 Column diameter: 0.32

/var/chem/MSDA.i/1113a,b/1113_19.d



Data File: /var/chem/MSDA.i/1113a.b/1113_20.d
 Report Date: 07-Dec-2000 11:45

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1113a.b/1113_20.d
 Lab Smp Id: ICAL @ 60.0ppb
 Inj Date : 14-NOV-2000 00:48
 Operator : DB
 Smp Info : ICAL @ 60.0ppb
 Misc Info : 1;1;15;;15;;V110100-8;8
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1113a.b/8260.m
 Meth Date : 07-Dec-2000 11:43 dvb
 Cal Date : 14-NOV-2000 00:48
 Als bottle: 13
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1113_20.d
 Calibration Sample, Level: 8
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

Cand Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		SIMILARITY
						CAL-AMT (ug/L)	ON-COL (ug/L)	
1 Dichlorodifluoromethane	85	4.390	4.390	(0.281)	10629753	60.0000	63.7	9706
2 Chloromethane (**SPCC**)	50	4.859	4.859	(0.311)	11108388	60.0000	70.1	9674
3 Vinyl Chloride (*CCC*)	62	5.142	5.141	(0.329)	11969569	60.0000	66.8	9786
4 Bromomethane	94	5.906	5.971	(0.378)	6295165	60.0000	56.7	9710(Q)
5 Chloroethane	64	6.180	6.216	(0.396)	5622392	60.0000	76.6	9521
6 Trichlorofluoromethane	101	6.830	6.847	(0.438)	18179780	60.0000	61.4	9667(Q)
7 Acrolein	56	7.816	7.824	(0.501)	1777705	240.000	231	8680
8 Dichlorotrifluoroethane (F123)	83	7.659	7.667	(0.491)	10932785	60.0000	61.1	9218(Q)
9 Trichlorotrifluoroethane (F113)	101	8.071	8.089	(0.517)	9202759	60.0000	60.6	7079(Q)
10 Acetone	43	8.179	8.177	(0.524)	3690265	120.000	95.5	9601
11 1,1-Dichloroethene(*CCC*)	96	8.081	8.089	(0.518)	8259814	60.0000	58.0	7924(Q)
12 Iodomethane	142	8.454	8.461	(0.542)	26239363	120.000	139	9582(QM)
13 Carbon Disulfide	76	8.640	8.648	(0.554)	39992388	120.000	93.0	8882
14 Methylene Chloride	84	9.227	9.234	(0.591)	11543084	60.0000	52.1	9683(Q)
15 TBA	59	9.491	9.498	(0.608)	52056089	6000.00	4100	8198
16 Acrylonitrile	53	9.794	9.801	(0.627)	7754880	240.000	254	9791

Compounds	QUANT SIG		AMOUNTS					SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	
=====	====	==	=====	=====	=====	=====	=====	=====
17 MTBE	73	9.921	9.928	(0.636)	29908138	60.0000	60.1	6849
18 trans-1,2-Dichloroethene	96	9.912	9.928	(0.635)	11527675	60.0000	59.4	8716(Q)
19 1,1-Dichloroethane (**SPCC**)	63	10.947	10.953	(0.701)	23341580	60.0000	60.8	9708
20 DIPE	100	10.957	10.963	(0.702)	802905	120.000	121	9684
21 Vinyl acetate	43	11.045	11.060	(0.708)	27764095	120.000	148	9700(M)
22 1,4-DIOXANE	88	11.113	11.109	(0.712)	1010431	300.000	321	8491
23 2-Butanone (MEK)	43	11.113	11.119	(0.712)	26489575	120.000	92.2	6835(M)
24 ETBE	87	12.051	12.056	(0.772)	14510597	60.0000	62.5	9641
25 2,2-Dichloropropane	77	12.452	12.456	(0.798)	16660337	60.0000	62.8	8121
26 cis 1,2-Dichloroethene	96	12.442	12.447	(0.797)	12779660	60.0000	59.2	8868(Q)
27 Bromochloromethane	128	13.078	13.081	(0.838)	5848169	60.0000	58.2	9296(Q)
28 Chloroform (*CCC*)	83	13.273	13.277	(0.850)	24085431	60.0000	59.0	9593(Q)
\$ 29 Dibromofluoromethane (S)	113	13.693	13.707	(0.877)	12729181	60.0000	59.6	9274(Q)
30 1,1,1-Trichloroethane	97	13.811	13.814	(0.885)	20008989	60.0000	61.8	9462(Q)
31 1,1-Dichloropropene	75	14.261	14.273	(0.914)	16909174	60.0000	60.7	9415
32 Carbon Tetrachloride	117	14.300	14.303	(0.916)	16436066	60.0000	62.7	7346(Q)
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.642	14.644	(0.938)	16132204	60.0000	59.1	9382
34 Benzene	78	14.837	14.840	(0.951)	39255244	60.0000	53.9	7866
35 1,2-Dichloroethane	62	14.847	14.859	(0.951)	19431737	60.0000	58.7	8920
36 TAME	73	15.130	15.142	(0.969)	32477185	60.0000	61.9	9532
* 37 Fluorobenzene (IS)	96	15.609	15.611	(1.000)	16689608	20.0000		9619
38 Trichloroethene	95	16.694	16.695	(1.069)	13177051	60.0000	59.8	9318(Q)
39 1,2-Dichloropropane(*CCC*)	63	17.339	17.339	(1.111)	11997993	60.0000	62.1	9435(Q)
40 Dibromomethane	93	17.701	17.711	(1.134)	6665476	60.0000	62.4	8877(Q)
41 Bromodichloromethane	83	18.160	18.170	(1.163)	18021106	60.0000	62.3	9534(Q)
42 2-chloroethyl vinyl ether	63	19.069	19.077	(1.222)	10997623	120.000	129	9377
43 cis-1,3-Dichloropropene	75	19.577	19.585	(1.254)	18836381	60.0000	63.7	9559(Q)
44 4-Methyl-2-pentanone (MIBK)	43	20.046	20.044	(1.284)	11316157	120.000	122	9400(Q)
\$ 45 Toluene-d8 (S)	98	20.476	20.483	(1.312)	37509024	60.0000	55.0	9152
46 Toluene (*CCC*)	92	20.701	20.698	(0.812)	31015390	60.0000	59.0	8676(Q)
47 trans-1,3-Dichloropropene	75	21.385	21.391	(0.839)	16318204	60.0000	65.8	9516(Q)
48 1,1,2-Trichloroethane	83	22.010	22.006	(0.864)	7403024	60.0000	61.8	8705(Q)
49 Tetrachloroethene	166	22.578	22.592	(0.886)	10379543	60.0000	60.9	9010(Q)
50 1,3-Dichloropropane	76	22.587	22.583	(0.886)	16177455	60.0000	61.6	8841
M 51 Total Xylenes	106				55524712	180.000	165	0
52 2-Hexanone	43	22.871	22.866	(0.898)	7845192	120.000	134	9696(Q)
53 Dibromochloromethane	129	23.389	23.393	(0.918)	11552345	60.0000	66.2	9300(Q)
54 1,2-Dibromoethane	107	23.800	23.804	(0.934)	9008630	60.0000	62.9	9750(Q)
M 55 Total Trihalomethanes	100				58611957	240.000	261	0
* 56 Chlorobenzene-d5	117	25.481	25.483	(1.000)	13182509	20.0000		9415
57 Chlorobenzene (**SPCC**)	112	25.589	25.591	(1.004)	33626342	60.0000	60.6	9480(Q)
58 1,1,1,2-Tetrachloroethane	131	25.882	25.884	(1.016)	12916599	60.0000	64.6	9383(Q)
59 Ethylbenzene (*CCC*)	91	25.990	26.001	(1.020)	43754377	60.0000	48.1	8305(Q)
60 m+p-Xylenes	106	26.420	26.421	(1.037)	35135223	120.000	108	5951(Q)
61 o-Xylene	106	27.751	27.749	(1.089)	20389489	60.0000	57.8	7771(Q)
62 Styrene	104	27.791	27.788	(1.091)	31628681	60.0000	54.8	9380(Q)
63 Bromoform (**SPCC**)	173	28.348	28.355	(1.113)	4953075	60.0000	73.3	8464(Q)

Compounds	QUANT SIG		AMOUNTS				SIMILARITY	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)		ON-COL (ug/L)
64 Isopropylbenzene	105	28.886	28.902	(1.134)	37931649	60.0000	42.3	8477(Q)
\$ 65 4-Bromofluorobenzene (S)	95	29.346	29.342	(0.905)	18652512	60.0000	59.7	8968(Q)
66 1,1,2,2-TetrachloroethaneSPCC	83	29.748	29.753	(0.917)	10121932	60.0000	77.1	5217(Q)
67 Bromobenzene	156	29.767	29.772	(0.918)	13029647	60.0000	63.0	8684(Q)
68 1,2,3-Trichloropropane	110	29.865	29.870	(0.921)	3055741	60.0000	62.0	7855(Q)
69 n-Propylbenzene	91	30.071	30.086	(0.927)	31921814	60.0000	30.4	7883(Q)
70 2-Chlorotoluene	126	30.328	30.320	(0.935)	14064221	60.0000	62.2	7597(Q)
71 1,3,5-Trimethylbenzene	105	30.563	30.575	(0.942)	32704100	60.0000	43.2	8790(Q)
72 4-Chlorotoluene	126	30.612	30.624	(0.944)	14145411	60.0000	61.5	8145(Q)
73 tert-Butylbenzene	119	31.425	31.435	(0.969)	31310622	60.0000	46.7	8223(Q)
74 1,2,4-Trimethylbenzene	105	31.542	31.563	(0.972)	32271887	60.0000	41.6	9008(Q)
75 sec-Butylbenzene	105	31.973	31.993	(0.986)	34573870	60.0000	37.3	8817
76 bis(2Chloroethyl)Ether	93	32.022	32.022	(2.051)	2130511	300.000	335	8959(Q)
77 1,3-Dichlorobenzene	146	32.267	32.267	(0.995)	24565630	60.0000	57.8	8833(Q)
78 4-Isopropyltoluene	119	32.346	32.355	(0.997)	31503587	60.0000	39.7	8103(Q)
* 79 1,4 Dichlorobenzene-d4	152	32.434	32.424	(1.000)	6123529	20.0000		9214(Q)
80 1,4-Dichlorobenzene	146	32.483	32.492	(1.002)	24373529	60.0000	58.0	8892(Q)
81 n-Butylbenzene	91	33.316	33.334	(1.027)	30459130	60.0000	39.5	8680(Q)
82 1,2-Dichlorobenzene	146	33.374	33.373	(1.029)	22513528	60.0000	59.0	8810(Q)
83 1,2-Dibromo-3-chloropropane	157	35.110	35.108	(1.083)	1523172	60.0000	67.5	9097(Q)
84 1,2,4-Trichlorobenzene	180	36.848	36.844	(1.136)	11545697	60.0000	62.1	9136(Q)
85 Hexachlorobutadiene	225	37.183	37.178	(1.146)	3622670	60.0000	61.2	7709(Q)
86 Napthalene	128	37.340	37.345	(1.151)	25432686	60.0000	56.5	8804
87 1,2,3-Trichlorobenzene	180	37.842	37.846	(1.167)	9526509	60.0000	62.9	8711(Q)

Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: /var/chem/MSDA.i/1113a.b/1113_20.d
Report Date: 07-Dec-2000 11:45

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSDA.i
Lab File ID: 1113_20.d
Lab Smp Id: ICAL @ 60.0ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: DB
Method File: /var/chem/MSDA.i/1113a.b/8260.m
Misc Info: 1;1;15;;15;;V110100-8;8

Calibration Date: 13-NOV-2000
Calibration Time: 23:14

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15372622	7686311	30745244	16689608	8.57
56 Chlorobenzene-d5	11925762	5962881	23851524	13182509	10.54
79 1,4 Dichlorobenze	5885430	2942715	11770860	6123529	4.05

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.61	15.11	16.11	15.61	-0.02
56 Chlorobenzene-d5	25.49	24.99	25.99	25.48	-0.02
79 1,4 Dichlorobenze	32.43	31.93	32.93	32.43	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA,i/1113a,b/1113_20.d

Date : 14-NOV-2000 00:48

Client ID:

Sample Info: ICAL @ 60.0ppb

Purge Volume: 15.0

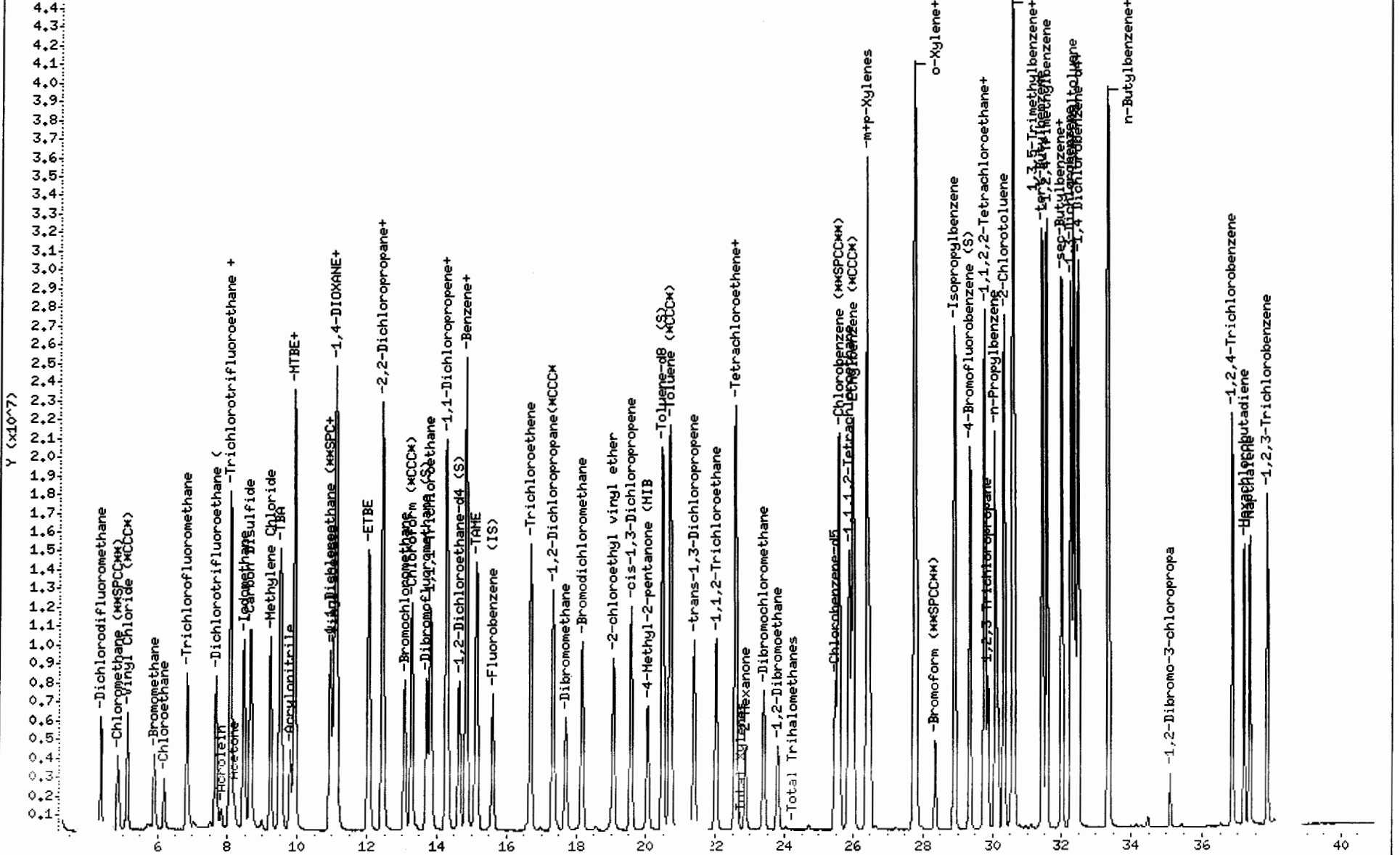
Column phase: DB-624

Instrument: MSDA.i

Operator: DB

Column diameter: 0.32

/var/chem/MSDA,i/1113a,b/1113_20.d



Data File: /var/chem/MSDA.i/1113a.b/1113_21.d
 Report Date: 07-Dec-2000 11:45

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1113a.b/1113_21.d
 Lab Smp Id: ICAL @ 80.0ppb
 Inj Date : 14-NOV-2000 01:35
 Operator : DB Inst ID: MSDA.i
 Smp Info : ICAL @ 80.0ppb
 Misc Info : 1;1;15;;15;;V110100-8;9
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1113a.b/8260.m
 Meth Date : 07-Dec-2000 11:43 dvb Quant Type: ISTD
 Cal Date : 14-NOV-2000 01:35 Cal File: 1113_21.d
 Als bottle: 14 Calibration Sample, Level: 9
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

Cond Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		SIMILARITY
						CAL-AMT (ug/L)	ON-COL (ug/L)	
1 Dichlorodifluoromethane	85	4.390	4.390 (0.281)		13339197	80.0000	79.6	9681
2 Chloromethane (**SPCC**)	50	4.860	4.859 (0.311)		14925625	80.0000	93.8	9689
3 Vinyl Chloride (*CCC*)	62	5.142	5.141 (0.330)		15526340	80.0000	86.4	9809
4 Bromomethane	94	5.878	5.971 (0.377)		8144536	80.0000	73.1	9757(Q)
5 Chloroethane	64	6.161	6.216 (0.395)		7334311	80.0000	99.5	9490
6 Trichlorofluoromethane	101	6.822	6.847 (0.437)		23716798	80.0000	79.8	9636(Q)
7 Acrolein	56	7.816	7.824 (0.501)		2340731	320.000	302	8610
8 Dichlorotrifluoroethane (F123)	83	7.650	7.667 (0.490)		14823703	80.0000	82.5	9430(Q)
9 Trichlorotrifluoroethane (F113)	101	8.062	8.089 (0.517)		12300618	80.0000	80.6	7176(Q)
10 Acetone	43	8.180	8.177 (0.524)		5118117	160.000	132	9712
11 1,1-Dichloroethene(*CCC*)	96	8.072	8.089 (0.517)		11300958	80.0000	79.1	7895(Q)
12 Iodomethane	142	8.454	8.461 (0.542)		33136747	160.000	183	9223(QM)
13 Carbon Disulfide	76	8.621	8.648 (0.553)		38008774	160.000	88.0	8718
14 Methylene Chloride	84	9.220	9.234 (0.591)		15514033	80.0000	69.8	9606(Q)
15 TBA	59	9.484	9.498 (0.608)		63408509	8000.00	497.0	8366
16 Acrylonitrile	53	9.797	9.801 (0.628)		10637676	320.000	348	9785

Compounds	QUANT SIG				AMOUNTS		SIMILARITY	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)		ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====	
17 MTBE	73	9.924	9.928	(0.636)	38162114	80.0000	76.4	6801
18 trans-1,2-Dichloroethene	96	9.904	9.928	(0.635)	15579060	80.0000	80.0	8780(Q)
19 1,1-Dichloroethane (**SPCC**)	63	10.940	10.953	(0.701)	30999768	80.0000	80.4	9676
20 DIPE	100	10.950	10.963	(0.702)	1095732	160.000	164	9630
21 Vinyl acetate	43	11.048	11.060	(0.708)	29605446	160.000	158	8954(M)
22 1,4-DIOXANE	88	11.126	11.109	(0.713)	1357714	400.000	430	8079
23 2-Butanone (MEK)	43	11.116	11.119	(0.712)	32166835	160.000	111	4159(M)
24 ETBE	87	12.045	12.056	(0.772)	19724521	80.0000	84.6	9051
25 2,2-Dichloropropane	77	12.446	12.456	(0.798)	21898345	80.0000	82.3	8142
26 cis 1,2-Dichloroethene	96	12.436	12.447	(0.797)	17146651	80.0000	79.1	8848(Q)
27 Bromochloromethane	128	13.071	13.081	(0.838)	7065065	80.0000	70.0	9314(Q)
28 Chloroform (*CCC*)	83	13.267	13.277	(0.850)	31607153	80.0000	77.2	9533(Q)
\$ 29 Dibromofluoromethane (S)	113	13.697	13.707	(0.878)	16901471	80.0000	78.8	9329(Q)
30 1,1,1-Trichloroethane	97	13.814	13.814	(0.885)	26502765	80.0000	81.6	9460(Q)
31 1,1-Dichloropropene	75	14.254	14.273	(0.914)	22778135	80.0000	81.5	9491
32 Carbon Tetrachloride	117	14.293	14.303	(0.916)	21954475	80.0000	83.4	7192(Q)
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.636	14.644	(0.938)	21146457	80.0000	77.1	9478
34 Benzene	78	14.831	14.840	(0.950)	45061618	80.0000	61.7	7577
35 1,2-Dichloroethane	62	14.851	14.859	(0.952)	25500069	80.0000	76.7	8947
36 TAME	73	15.125	15.142	(0.969)	40178723	80.0000	76.3	9185
* 37 Fluorobenzene (IS)	96	15.604	15.611	(1.000)	16757100	20.0000		9655
38 Trichloroethene	95	16.688	16.695	(1.070)	17665057	80.0000	79.9	9341(Q)
39 1,2-Dichloropropane(*CCC*)	63	17.334	17.339	(1.111)	16396498	80.0000	84.6	9479(Q)
40 Dibromomethane	93	17.695	17.711	(1.134)	8900949	80.0000	83.0	8907(Q)
41 Bromodichloromethane	83	18.165	18.170	(1.164)	24208534	80.0000	83.3	9541(Q)
42 2-chloroethyl vinyl ether	63	19.074	19.077	(1.222)	15107291	160.000	176	9374
43 cis-1,3-Dichloropropene	75	19.573	19.585	(1.254)	25303254	80.0000	85.3	9543(Q)
\$ 44 4-Methyl-2-pentanone (MIBK)	43	20.042	20.044	(1.284)	15154215	160.000	162	9335(Q)
45 Toluene-d8 (S)	98	20.462	20.483	(1.311)	43267823	80.0000	63.1	8836
46 Toluene (*CCC*)	92	20.697	20.698	(0.812)	37850453	80.0000	70.5	8337(Q)
47 trans-1,3-Dichloropropene	75	21.381	21.391	(0.839)	21880374	80.0000	86.3	9514(Q)
48 1,1,2-Trichloroethane	83	22.006	22.006	(0.864)	9779605	80.0000	79.9	8697(Q)
49 Tetrachloroethene	166	22.584	22.592	(0.886)	14276765	80.0000	81.9	8993(Q)
50 1,3-Dichloropropane	76	22.584	22.583	(0.886)	21980740	80.0000	81.9	9008
M 51 Total Xylenes	106				54738202	240.000	158	0
52 2-Hexanone	43	22.867	22.866	(0.898)	10754088	160.000	180	9666(Q)
53 Dibromochloromethane	129	23.395	23.393	(0.918)	15757304	80.0000	88.4	9295(Q)
54 1,2-Dibromoethane	107	23.797	23.804	(0.934)	12249491	80.0000	83.6	9707(Q)
M 55 Total Trihalomethanes	100				78315182	320.000	346	0
* 56 Chlorobenzene-d5	117	25.479	25.483	(1.000)	13473950	20.0000		9442
57 Chlorobenzene (**SPCC**)	112	25.576	25.591	(1.004)	40407960	80.0000	71.3	9124(Q)
58 1,1,1,2-Tetrachloroethane	131	25.880	25.884	(1.016)	17582708	80.0000	86.1	9429(Q)
59 Ethylbenzene (*CCC*)	91	25.968	26.001	(1.019)	48583712	80.0000	52.2	8425(Q)
60 m+p-Xylenes	106	26.398	26.421	(1.036)	25921407	160.000	77.7	5124(Q)
61 o-Xylene	106	27.750	27.749	(1.089)	28816795	80.0000	79.9	7440(Q)
62 Styrene	104	27.789	27.788	(1.091)	37589487	80.0000	63.7	8946(Q)
63 Bromoform (**SPCC**)	173	28.356	28.355	(1.113)	6742191	80.0000	97.6	8663(Q)

Compounds	QUANT SIG			AMOUNTS		SIMILARITY		
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
64 Isopropylbenzene	105	28.875	28.902	(1.133)	35455689	80.0000	38.7	8545(Q)
\$ 65 4-Bromofluorobenzene (S)	95	29.337	29.342	(1.000)	24323258	80.0000	1730	8900(Q)
66 1,1,2,2-TetrachloroethaneSPCC	83	29.749	29.753	(1.000)	13217116	80.0000	2230	5190(Q)
67 Bromobenzene	156	29.778	29.772	(1.000)	17336831	80.0000	1860	8880(Q)
68 1,2,3-Trichloropropane	110	29.866	29.870	(1.000)	4014277	80.0000	1800	7578(Q)
69 n-Propylbenzene	91	30.062	30.086	(1.000)	24972155	80.0000	528	8131(Q)
70 2-Chlorotoluene	126	30.329	30.320	(1.000)	18703289	80.0000	1840	8097(Q)
71 1,3,5-Trimethylbenzene	105	30.554	30.575	(1.000)	35835271	80.0000	1050	8730(Q)
72 4-Chlorotoluene	126	30.613	30.624	(1.000)	18836080	80.0000	1820	7872(Q)
73 tert-Butylbenzene	119	31.416	31.435	(1.000)	34607209	80.0000	1150	8299(Q)
74 1,2,4-Trimethylbenzene	105	31.544	31.563	(1.000)	33076494	80.0000	947	8396(Q)
75 sec-Butylbenzene	105	31.977	31.993	(1.000)	28104557	80.0000	673	8000(Q)
76 bis(2Chloroethyl)Ether	93	31.977	32.022	(2.049)	60426	80.0000	9.4692	7578(Q)
77 1,3-Dichlorobenzene	146	32.272	32.267	(1.000)	28233376	80.0000	1470	8508(Q)
78 4-Isopropyltoluene	119	32.341	32.355	(1.000)	30799669	80.0000	862	7866(Q)
* 79 1,4 Dichlorobenzene-d4	152	32.480	32.424	(1.000)	275995	20.0000		0(M)
80 1,4-Dichlorobenzene	146	32.490	32.492	(1.000)	25710187	80.0000	1360	8540(Q)
81 n-Butylbenzene	91	33.313	33.334	(1.000)	25453773	80.0000	732	8556(Q)
82 1,2-Dichlorobenzene	146	33.323	33.373	(1.000)	918627	80.0000	53.4	1316(Q)
83 1,2-Dibromo-3-chloropropane	157	35.110	35.108	(1.000)	2064392	80.0000	2030	9106(Q)
84 1,2,4-Trichlorobenzene	180	36.848	36.844	(1.000)	15387497	80.0000	1840	9041(Q)
85 Hexachlorobutadiene	225	37.182	37.178	(1.000)	4595884	80.0000	1720	7673(Q)
86 Napthalene	128	37.340	37.345	(1.000)	28916639	80.0000	1420	8052
87 1,2,3-Trichlorobenzene	180	37.842	37.846	(1.000)	13038272	80.0000	1910	8745(Q)

Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: /var/chem/MSDA.i/1113a.b/1113_21.d
 Report Date: 07-Dec-2000 11:45

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1113_21.d
 Lab Smp Id: ICAL @ 80.0ppb
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB
 Method File: /var/chem/MSDA.i/1113a.b/8260.m
 Misc Info: 1;1;15;;15;;V110100-8;9

Calibration Date: 13-NOV-2000
 Calibration Time: 23:14

Level: LOW
 Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I)	15372622	7686311	30745244	16757100	9.01
56 Chlorobenzene-d5	11925762	5962881	23851524	13473950	12.98
79 1,4 Dichlorobenze	5885430	2942715	11770860	275995	-95.31 <-

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I)	15.61	15.11	16.11	15.60	-0.05
56 Chlorobenzene-d5	25.49	24.99	25.99	25.48	-0.03
79 1,4 Dichlorobenze	32.43	31.93	32.93	32.48	0.16

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA,i/1113a,b/1113_21.d

Date : 14-NOV-2000 01:35

Client ID:

Sample Info: ICAL @ 80,0ppb

Purge Volume: 15.0

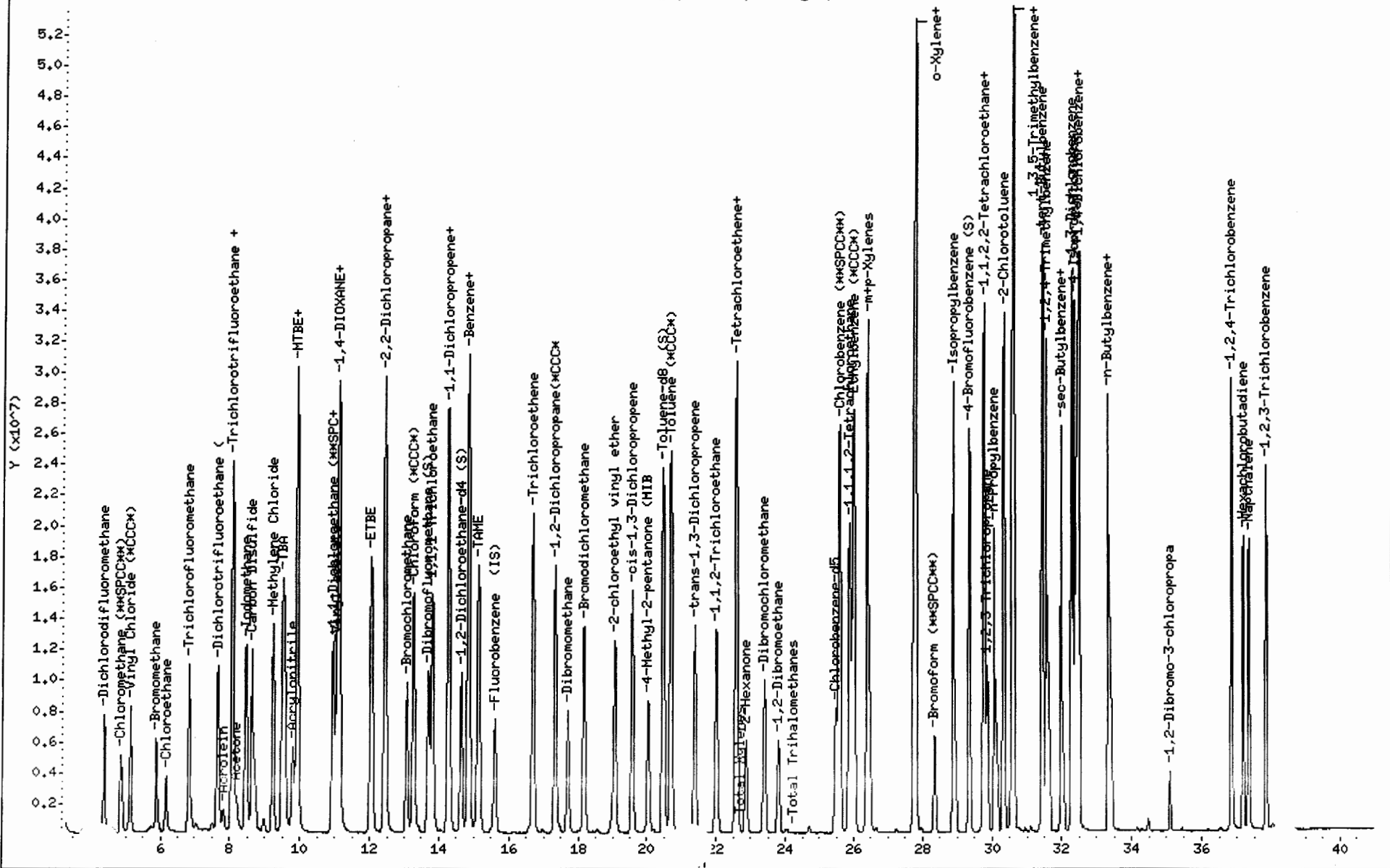
Column phase: DB-624

Instrument: MSDA,i

Operator: DB

Column diameter: 0.32

/var/chem/MSDA,i/1113a,b/1113_21.d



U0334

Data File	Date-Time	Sample ID	Batch-Std ID	Matrix	Sublist	Run Comments (pH)
1114_01.d	14-NOV-2000 07:45	BFB	1114a	AIR	all	Pass
1114_02.d	14-NOV-2000 08:19	CCV @ 20 ppb	V110100-8	WATER	all	Pass
1114_03.d	14-NOV-2000 09:06	LCS @ 20 ppb	V000163MSA	WATER	all	OK
1114_04.d	14-NOV-2000 09:54	Blank	V000163MSA	WATER	all	
1114_05.d	14-NOV-2000 10:41	Blank	V000163MSA	WATER	all	OK
1114_06.d	14-NOV-2000 11:33	A110027-2	V000163MSA	WATER	all	/
1114_07.d	14-NOV-2000 12:20	A110027-1	V000163MSA	WATER	all	Rem @ dil
1114_08.d	14-NOV-2000 13:07	A110027-3	V000163MSA	WATER	all	/
1114_09.d	14-NOV-2000 13:55	A110095-5	V000163MSA	WATER	all	Rem sur fail High
1114_10.d	14-NOV-2000 14:42	A110095-2	V000163MSA	WATER	all	/
1114_11.d	14-NOV-2000 15:29	A110095-3	V000163MSA	WATER	all	/
1114_12.d	14-NOV-2000 16:16	A110095-4	V000163MSA	WATER	all	/
1114_13.d	14-NOV-2000 17:03	A110095-1	V000163MSA	WATER	all	/
1114_14.d	14-NOV-2000 17:50	A100792-4	V000163MSA	WATER	all	/
1114_15.d	14-NOV-2000 18:38	A110095-1-S1	V000163MSA	WATER	all	OK
1114_16.d	14-NOV-2000 19:25	A110095-1-S2	V000163MSA	WATER	all	OK
1114_17.d	14-NOV-2000 20:12	inst blank	1114a	WATER	all	
1114_18.d	14-NOV-2000 21:00	A110059-1	V000163MSA	WATER	all	/
1114_19.d	14-NOV-2000 21:47	A110060-1	V000163MSA	WATER	all	/
1114_20.d	14-NOV-2000 22:34	A110076-1	V000163MSA	WATER	all	/
1114_21.d	14-NOV-2000 23:22	A110082-1	V000163MSA	WATER	all	/
1114_22.d	15-NOV-2000 07:16	A110082-2	V000163MSA	WATER	all	/

COLUMNS: DB-624 METHODS: B260.M ISTD: V103000-2

OPERATOR: DB

Sequence Comments: B260 1° = V110100-8 BFB = V072100-2

B260 gases = V102200-1 SUR = V103000-4

Data File: /var/chem/HSDA.i/1114a.b/1114_01.d

Date : 14-NOV-2000 07:45

lient ID:

Instrument: HSDA.i

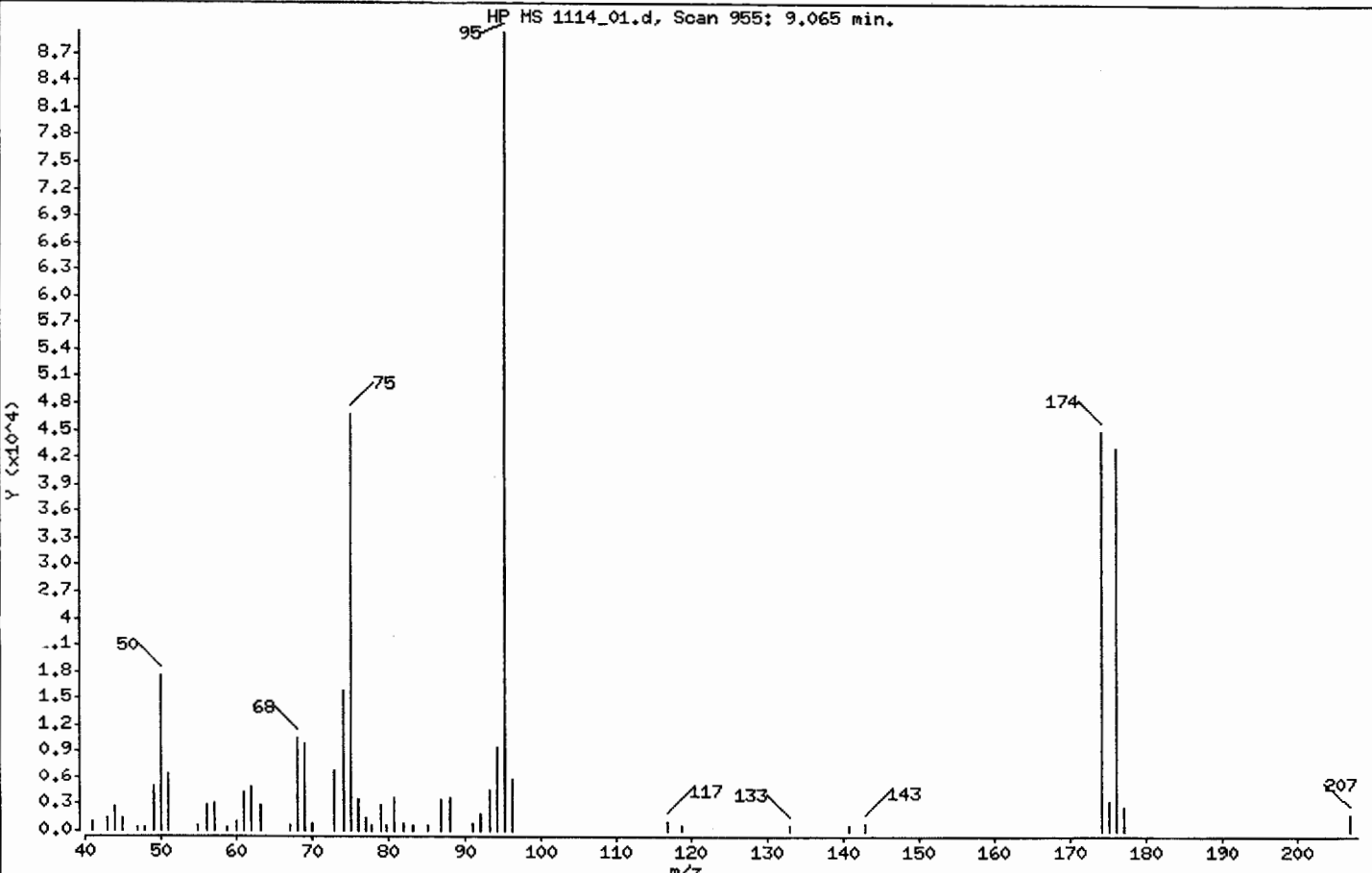
Sample Info: BFB

Operator: DB

Column phase:

Column diameter: 2.00

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.48
75	30.00 - 60.00% of mass 95	52.22
96	5.00 - 9.00% of mass 95	6.37
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	50.27
175	5.00 - 9.00% of mass 174	3.62 (7.21)
176	95.00 - 101.00% of mass 174	48.26 (96.00)
177	5.00 - 9.00% of mass 176	3.08 (6.39)

- Pass
DB
11/15/00

Data File: /var/chem/HSDA.i/1114a,b/1114_01.d

Date : 14-NOV-2000 07:45

Client ID:

Sample Info: BFB

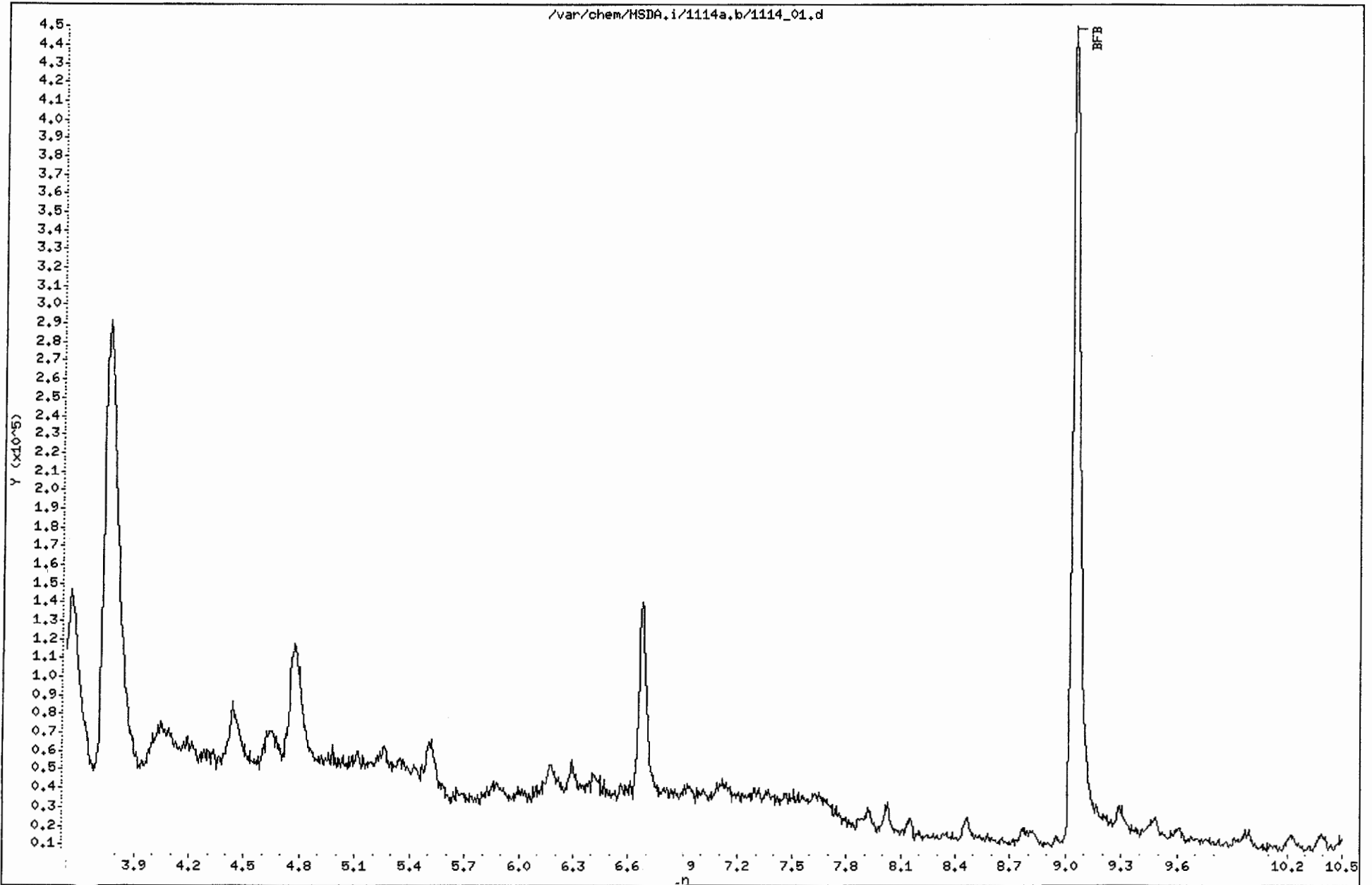
Instrument: MSDA.i

Operator: DB

Column diameter: 2.00

Column phase:

00337



Caltest Analytical Laboratory
 CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSDA.i Injection Date: 14-NOV-2000 08:19
 Lab File ID: 1114_02.d Init. Cal. Date(s): 13-NOV-2000 14-NOV-2000
 Analysis Type: WATER Init. Cal. Times: 19:19 01:35
 Lab Sample ID: CCV @ 20 ppb Quant Type: ISTD
 Method: /var/chem/MSDA.i/1114a.b/8260.m

COMPOUND	RRF / AMOUNT	RF20	MIN		MAX		CURVE TYPE
			RRF	%D / %DRIFT	%D / %DRIFT		
1 Dichlorodifluoromethane	0.20004	0.18607	0.000	7.0	30.0	Averaged	
2 Chloromethane (**SPCC**)	0.18992	0.14237	0.100	25.0	30.0	Averaged	
3 Vinyl Chloride (*CCC*)	0.21455	0.18806	0.000	12.3	20.0	Averaged	
4 Bromomethane	0.13294	0.15339	0.000	-15.4	30.0	Averaged	
5 Chloroethane	0.08797	0.08704	0.000	1.1	30.0	Averaged	
6 Trichlorofluoromethane	0.35486	0.36713	0.000	-3.5	30.0	Averaged	
7 Acrolein	0.00924	0.00831	0.000	10.0	30.0	Averaged	
8 Dichlorotrifluoroethane (F1	0.21434	0.20902	0.000	2.5	30.0	Averaged	
9 Trichlorotrifluoroethane (F	0.18202	0.19507	0.000	-7.2	30.0	Averaged	
10 Acetone	0.04234	0.04411	0.000	-4.2	30.0	Averaged	
11 1,1-Dichloroethene(*CCC*)	0.17049	0.17509	0.000	-2.7	20.0	Averaged	
12 Iodomethane	0.23076	0.20883	0.000	9.5	30.0	Averaged	
13 Carbon Disulfide	0.54420	0.64288	0.000	-18.1	30.0	Averaged	
14 Methylene Chloride	0.26539	0.23373	0.000	11.9	30.0	Averaged	
15 TBA	0.01522	0.01408	0.000	7.5	30.0	Averaged	
16 Acrylonitrile	0.03652	0.03549	0.000	2.8	30.0	Averaged	
17 MTBE	0.59596	0.57474	0.000	3.6	30.0	Averaged	
18 trans-1,2-Dichloroethene	0.23251	0.23794	0.000	-2.3	30.0	Averaged	
19 1,1-Dichloroethane (**SPCC*	0.45987	0.48508	0.100	-5.5	30.0	Averaged	
20 DIPE	0.00797	0.00811	0.000	-1.8	30.0	Averaged	
21 Vinyl acetate	0.22411	0.26948	0.000	-20.2	30.0	Averaged	
22 1,4-DIOXANE	0.00377	0.00382	0.000	-1.4	30.0	Averaged	
23 2-Butanone (MEK)	0.34443	0.32148	0.000	6.7	30.0	Averaged	
24 ETBE	0.27837	0.28101	0.000	-0.9	30.0	Averaged	
25 2,2-Dichloropropane	0.31767	0.37673	0.000	-18.6	30.0	Averaged	
26 cis 1,2-Dichloroethene	0.25864	0.26357	0.000	-1.9	30.0	Averaged	
27 Bromochloromethane	0.12043	0.12325	0.000	-2.3	30.0	Averaged	
28 Chloroform (*CCC*)	0.48874	0.50192	0.000	-2.7	20.0	Averaged	
\$ 29 Dibromofluoromethane (S)	0.25602	0.29229	0.000	-14.2	30.0	Averaged	
30 1,1,1-Trichloroethane	0.38787	0.41141	0.000	-6.1	30.0	Averaged	
31 1,1-Dichloropropene	0.33359	0.35317	0.000	-5.9	30.0	Averaged	
32 Carbon Tetrachloride	0.31408	0.33639	0.000	-7.1	30.0	Averaged	
\$ 33 1,2-Dichloroethane-d4 (S)	0.32723	0.35506	0.000	-8.5	30.0	Averaged	
34 Benzene	0.87213	0.93861	0.000	-7.6	30.0	Averaged	
35 1,2-Dichloroethane	0.39696	0.39478	0.000	0.5	30.0	Averaged	
36 TAME	0.62829	0.62849	0.000	0.0	30.0	Averaged	

Pass
 DB
 11/15/00

Data File: /var/chem/MSDA.i/1114a.b/1114_02.d
 Report Date: 14-Nov-2000 09:39

Caltest Analytical Laboratory
 CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSDA.i Injection Date: 14-NOV-2000 08:19
 Lab File ID: 1114_02.d Init. Cal. Date(s): 13-NOV-2000 14-NOV-2000
 Analysis Type: WATER Init. Cal. Times: 19:19 01:35
 Lab Sample ID: CCV @ 20 ppb Quant Type: ISTD
 Method: /var/chem/MSDA.i/1114a.b/8260.m

COMPOUND	RRF / AMOUNT	RF20	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
38 Trichloroethene	0.26393	0.26982	0.000	-2.2	30.0	Averaged
39 1,2-Dichloropropane(*CCC*)	0.23140	0.23764	0.000	-2.7	20.0	Averaged
40 Dibromomethane	0.12802	0.13010	0.000	-1.6	30.0	Averaged
41 Bromodichloromethane	0.34667	0.36089	0.000	-4.1	30.0	Averaged
42 2-chloroethyl vinyl ether	0.10247	0.10122	0.000	1.2	30.0	Averaged
43 cis-1,3-Dichloropropene	0.35413	0.37773	0.000	-6.7	30.0	Averaged
44 4-Methyl-2-pentanone (MIBK)	0.11152	0.10188	0.000	8.6	30.0	Averaged
\$ 45 Toluene-d8 (S)	0.81793	0.97511	0.000	-19.2	30.0	Averaged
46 Toluene (*CCC*)	0.79702	0.81534	0.000	-2.3	20.0	Averaged
47 trans-1,3-Dichloropropene	0.37617	0.41091	0.000	-9.2	30.0	Averaged
48 1,1,2-Trichloroethane	0.18167	0.18109	0.000	0.3	30.0	Averaged
49 Tetrachloroethene	0.25867	0.27480	0.000	-6.2	30.0	Averaged
50 1,3-Dichloropropane	0.39819	0.40816	0.000	-2.5	30.0	Averaged
M 51 Total Xylenes	0.50852	0.55591	0.000	-9.3	30.0	Averaged
52 2-Hexanone	0.08845	0.08678	0.000	1.9	30.0	Averaged
53 Dibromochloromethane	0.26462	0.27900	0.000	-5.4	30.0	Averaged
54 1,2-Dibromoethane	0.21742	0.22266	0.000	-2.4	30.0	Averaged
M 55 Total Trihalomethanes	0.28052	0.28908	0.000	-3.1	30.0	Averaged
57 Chlorobenzene (**SPCC**)	0.84149	0.87956	0.300	-4.5	30.0	Averaged
58 1,1,1,2-Tetrachloroethane	0.30313	0.32147	0.000	-6.1	30.0	Averaged
59 Ethylbenzene (*CCC*)	1.38034	1.53623	0.000	-11.3	20.0	Averaged
60 m+p-Xylenes	0.52688	0.55598	0.000	-5.5	30.0	Averaged
61 o-Xylene	0.53542	0.55575	0.000	-3.8	30.0	Averaged
62 Styrene	0.87549	0.92896	0.000	-6.1	30.0	Averaged
63 Bromoform (**SPCC**)	0.10280	0.10599	0.100	-3.1	30.0	Averaged
64 Isopropylbenzene	1.36008	1.47603	0.000	-8.5	30.0	Averaged
\$ 65 4-Bromofluorobenzene (S)	1.02013	1.11976	0.000	-9.8	30.0	Averaged
66 1,1,2,2-TetrachloroethaneSP	0.49501	0.48785	0.300	1.4	30.0	Averaged
67 Bromobenzene	0.67601	0.67260	0.000	0.5	30.0	Averaged
68 1,2,3-Trichloropropane	0.16108	0.14818	0.000	8.0	30.0	Averaged
69 n-Propylbenzene	3.66673	3.83391	0.000	-4.6	30.0	Averaged
70 2-Chlorotoluene	0.73781	0.74078	0.000	-0.4	30.0	Averaged
71 1,3,5-Trimethylbenzene	2.47261	2.59958	0.000	-5.1	30.0	Averaged
72 4-Chlorotoluene	0.75165	0.74916	0.000	0.3	30.0	Averaged
73 tert-Butylbenzene	2.18753	2.26936	0.000	-3.7	30.0	Averaged
74 1,2,4-Trimethylbenzene	2.53103	2.63434	0.000	-4.1	30.0	Averaged

Data File: /var/chem/MSDA.i/1114a.b/1114_02.d
 Report Date: 14-Nov-2000 09:39

Caltest Analytical Laboratory
 CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSDA.i Injection Date: 14-NOV-2000 08:19
 Lab File ID: 1114_02.d Init. Cal. Date(s): 13-NOV-2000 14-NOV-2000
 Analysis Type: WATER Init. Cal. Times: 19:19 01:35
 Lab Sample ID: CCV @ 20 ppb Quant Type: ISTD
 Method: /var/chem/MSDA.i/1114a.b/8260.m

COMPOUND	RRF / AMOUNT	RF20	MIN		MAX		CURVE TYPE
			RRF	%D / %DRIFT	%D / %DRIFT		
75 sec-Butylbenzene	3.02714	3.52693	0.000	-16.5	30.0	Averaged	
76 bis(2Chloroethyl)Ether	0.00762	0.00728	0.000	4.4	30.0	Averaged	
77 1,3-Dichlorobenzene	1.38829	1.49552	0.000	-7.7	30.0	Averaged	
78 4-Isopropyltoluene	2.58981	2.92634	0.000	-13.0	30.0	Averaged	
80 1,4-Dichlorobenzene	1.37345	1.46993	0.000	-7.0	30.0	Averaged	
81 n-Butylbenzene	2.51780	3.00624	0.000	-19.4	30.0	Averaged	
82 1,2-Dichlorobenzene	1.24708	1.31247	0.000	-5.2	30.0	Averaged	
83 1,2-Dibromo-3-chloropropane	0.07366	0.07591	0.000	-3.1	30.0	Averaged	
84 1,2,4-Trichlorobenzene	0.60701	0.63892	0.000	-5.3	30.0	Averaged	
85 Hexachlorobutadiene	0.19342	0.21128	0.000	-9.2	30.0	Averaged	
86 Napthalene	1.47025	1.47674	0.000	-0.4	30.0	Averaged	
87 1,2,3-Trichlorobenzene	0.49433	0.50770	0.000	-2.7	30.0	Averaged	

Age %D / Drift Results.

=====
 Calculated Average %D/Drift = 6.29122018
 Maximum Average %D/Drift = 15
 * Passed Average %D/Drift Test.

Data File: /var/chem/MSDA.i/1114a.b/1114_02.d
 Report Date: 15-Nov-2000 07:27

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1114a.b/1114_02.d
 Lab Smp Id: CCV @ 20 ppb
 Inj Date : 14-NOV-2000 08:19
 Operator : DB
 Smp Info : CCV @ 20 ppb
 Misc Info : 2;1;15;;15;;V110100-8;6
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1114a.b/8260.m
 Meth Date : 15-Nov-2000 07:26 dvb
 Cal Date : 13-NOV-2000 22:27
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1113 17.d
 Continuing Calibration Sample
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

Global Variable Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		SIMILARITY
							CAL-AMT (ug/L)	ON-COL (ug/L)	
1 Dichlorodifluoromethane	85		4.388	4.390	(0.281)	2944703	20.0000	18.6	9669
2 Chloromethane (**SPCC**)	50		4.857	4.859	(0.311)	2253103	20.0000	15.0	9619
3 Vinyl Chloride (*CCC*)	62		5.139	5.141	(0.329)	2976219	20.0000	17.5	9793
4 Bromomethane	94		5.959	5.971	(0.382)	2427534	20.0000	23.1	9612
5 Chloroethane	64		6.213	6.216	(0.398)	1377556	20.0000	19.8	9543
6 Trichlorofluoromethane	101		6.844	6.847	(0.439)	5810249	20.0000	20.7	9615
7 Acrolein	56		7.800	7.824	(0.500)	526184	80.0000	72.0	8956
8 Dichlorotrifluoroethane (F123)	83		7.652	7.667	(0.491)	3307934	20.0000	19.5	9297
9 Trichlorotrifluoroethane (F113)	101		8.074	8.089	(0.518)	3087171	20.0000	21.4	6959
10 Acetone	43		8.162	8.177	(0.523)	1396150	40.0000	41.7	9438
11 1,1-Dichloroethene(*CCC*)	96		8.084	8.089	(0.518)	2771001	20.0000	20.5	8020
12 Iodomethane	142		8.457	8.461	(0.542)	6609912	40.0000	36.2	9524
13 Carbon Disulfide	76		8.642	8.648	(0.554)	20348443	40.0000	47.2	9466
14 Methylene Chloride	84		9.218	9.234	(0.591)	3698947	20.0000	17.6	9600
15 TBA	59		9.482	9.498	(0.608)	22289514	2000.00	1850	9525
16 Acrylonitrile	53		9.784	9.801	(0.627)	2246462	80.0000	77.7	9747

00341

Compounds	QUANT SIG		AMOUNTS					SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	
=====	====	==	=====	=====	=====	=====	=====	=====
17 MTBE	73	9.911	9.928	(0.635)	9095768	20.0000	19.3	6527
18 trans-1,2-Dichloroethene	96	9.911	9.928	(0.635)	3765669	20.0000	20.5	8781
19 1,1-Dichloroethane (**SPCC**)	63	10.945	10.953	(0.702)	7676847	20.0000	21.1	9672
20 DIPE	100	10.935	10.963	(0.701)	256632	40.0000	40.7	9704
21 Vinyl acetate	43	11.043	11.060	(0.708)	8529693	40.0000	48.1	9049(M)
22 1,4-DIOXANE	88	11.101	11.109	(0.712)	302223	100.000	101	9623
23 2-Butanone (MEK)	43	11.101	11.119	(0.712)	10175480	40.0000	37.3	3404(M)
24 ETBE	87	12.028	12.056	(0.771)	4447234	20.0000	20.2	9575
25 2,2-Dichloropropane	77	12.437	12.456	(0.797)	5962050	20.0000	23.7	7985
26 cis 1,2-Dichloroethene	96	12.437	12.447	(0.797)	4171259	20.0000	20.4	8720
27 Bromochloromethane	128	13.062	13.081	(0.837)	1950516	20.0000	20.5	9255
28 Chloroform (*CCC*)	83	13.267	13.277	(0.850)	7943408	20.0000	20.5	9523
\$ 29 Dibromofluoromethane (S)	113	13.686	13.707	(0.877)	4625694	20.0000	22.8	9267
30 1,1,1-Trichloroethane	97	13.803	13.814	(0.885)	6510890	20.0000	21.2	9411
31 1,1-Dichloropropene	75	14.252	14.273	(0.914)	5589289	20.0000	21.2	9381
32 Carbon Tetrachloride	117	14.281	14.303	(0.916)	5323764	20.0000	21.4	6567
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.623	14.644	(0.937)	5619180	20.0000	21.7	9513
34 Benzene	78	14.828	14.840	(0.951)	14854434	20.0000	21.5	8359
35 1,2-Dichloroethane	62	14.837	14.859	(0.951)	6247753	20.0000	19.9	8878
36 TAME	73	15.120	15.142	(0.969)	9946516	20.0000	20.0	9535
* 37 Fluorobenzene (IS)	96	15.598	15.611	(1.000)	15825938	20.0000		9590
38 Trichloroethene	95	16.681	16.695	(1.069)	4270123	20.0000	20.4	9239
39 1,2-Dichloropropane(*CCC*)	63	17.334	17.339	(1.111)	3760931	20.0000	20.5	9398
40 Dibromomethane	93	17.685	17.711	(1.134)	2059009	20.0000	20.3	8792
41 Bromodichloromethane	83	18.154	18.170	(1.164)	5711491	20.0000	20.8	9574
42 2-chloroethyl vinyl ether	63	19.062	19.077	(1.222)	3203761	40.0000	39.5	9417
43 cis-1,3-Dichloropropene	75	19.570	19.585	(1.255)	5977985	20.0000	21.3	9513
44 4-Methyl-2-pentanone (MIBK)	43	20.039	20.044	(1.285)	3224660	40.0000	36.5	9257
\$ 45 Toluene-d8 (S)	98	20.468	20.483	(1.312)	15431953	20.0000	23.8	9603
46 Toluene (*CCC*)	92	20.693	20.698	(0.812)	9837575	20.0000	20.4	9600
47 trans-1,3-Dichloropropene	75	21.377	21.391	(0.839)	4957967	20.0000	21.8	9507
48 1,1,2-Trichloroethane	83	22.011	22.006	(0.864)	2184921	20.0000	19.9	8677
49 Tetrachloroethene	166	22.578	22.592	(0.886)	3315626	20.0000	21.2	8961
50 1,3-Dichloropropane	76	22.588	22.583	(0.886)	4924774	20.0000	20.5	8806
M 51 Total Xylenes	106				20122130	60.0000	63.0	0
52 2-Hexanone	43	22.861	22.866	(0.897)	2094137	40.0000	39.2	9614
53 Dibromochloromethane	129	23.389	23.393	(0.918)	3366284	20.0000	21.1	9330
54 1,2-Dibromoethane	107	23.789	23.804	(0.934)	2686511	20.0000	20.5	9732
M 55 Total Trihalomethanes	100				18300018	80.0000	83.1	0
* 56 Chlorobenzene-d5	117	25.480	25.483	(1.000)	12065684	20.0000		9355
57 Chlorobenzene (**SPCC**)	112	25.577	25.591	(1.004)	10612514	20.0000	20.9	9500
58 1,1,1,2-Tetrachloroethane	131	25.871	25.884	(1.015)	3878765	20.0000	21.2	9344
59 Ethylbenzene (*CCC*)	91	25.988	26.001	(1.020)	18535674	20.0000	22.2	9661
60 m+p-Xylenes	106	26.418	26.421	(1.037)	13416591	40.0000	42.2	9728
61 o-Xylene	106	27.748	27.749	(1.089)	6705539	20.0000	20.8	8210
62 Styrene	104	27.788	27.788	(1.091)	11208510	20.0000	21.2	9722
63 Bromoform (**SPCC**)	173	28.355	28.355	(1.113)	1278835	20.0000	20.6	8456

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		SIMILARITY
							MASS	ON-COL	
=====	====		==	=====	=====	=====	(ug/L)	(ug/L)	=====
64 Isopropylbenzene	105		28.893	28.902	(1.134)	17809272	20.0000	21.7	9717
\$ 65 4-Bromofluorobenzene (S)	95		29.333	29.342	(0.905)	6308407	20.0000	22.0	8688
66 1,1,2,2-TetrachloroethaneSPCC	83		29.744	29.753	(0.917)	2748414	20.0000	19.7	5124
67 Bromobenzene	156		29.773	29.772	(0.918)	3789239	20.0000	19.9	9045
68 1,2,3-Trichloropropane	110		29.862	29.870	(0.921)	834812	20.0000	18.4	7981
69 n-Propylbenzene	91		30.087	30.086	(0.928)	21599081	20.0000	20.9	9609
70 2-Chlorotoluene	126		30.322	30.320	(0.935)	4173329	20.0000	20.1	9299
71 1,3,5-Trimethylbenzene	105		30.576	30.575	(0.943)	14645221	20.0000	21.0	9332
72 4-Chlorotoluene	126		30.615	30.624	(0.944)	4220551	20.0000	19.9	9392
73 tert-Butylbenzene	119		31.437	31.435	(0.970)	12784905	20.0000	20.7	8603
74 1,2,4-Trimethylbenzene	105		31.555	31.563	(0.973)	14841069	20.0000	20.8	9658
75 sec-Butylbenzene	105		31.995	31.993	(0.987)	19869645	20.0000	23.3	9735
76 bis(2Chloroethyl)Ether	93		32.025	32.022	(2.053)	576363	100.000	95.6	9626
77 1,3-Dichlorobenzene	146		32.270	32.267	(0.995)	8425302	20.0000	21.5	9223
78 4-Isopropyltoluene	119		32.348	32.355	(0.998)	16486108	20.0000	22.6	9575
* 79 1,4 Dichlorobenzene-d4	152		32.426	32.424	(1.000)	5633696	20.0000		9146
80 1,4-Dichlorobenzene	146		32.485	32.492	(1.002)	8281145	20.0000	21.4	9165
81 n-Butylbenzene	91		33.327	33.334	(1.028)	16936250	20.0000	23.9	9637
82 1,2-Dichlorobenzene	146		33.376	33.373	(1.029)	7394040	20.0000	21.0	9156
83 1,2-Dibromo-3-chloropropane	157		35.101	35.108	(1.082)	427631	20.0000	20.6	8914
84 1,2,4-Trichlorobenzene	180		36.848	36.844	(1.136)	3599502	20.0000	21.0	8865
85 Hexachlorobutadiene	225		37.182	37.178	(1.147)	1190296	20.0000	21.8	7556
86 Napthalene	128		37.339	37.345	(1.151)	8319511	20.0000	20.1	9491
87 1,2,3-Trichlorobenzene	180		37.841	37.846	(1.167)	2860246	20.0000	20.5	8699

Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/MSDA.i/1114a.b/1114_02.d
Report Date: 15-Nov-2000 07:27

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSDA.i
Lab File ID: 1114_02.d
Lab Smp Id: CCV @ 20 ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: DB
Method File: /var/chem/MSDA.i/1114a.b/8260.m
Misc Info: 2;1;15;;15;;V110100-8;6

Calibration Date: 14-NOV-2000
Calibration Time: 08:19

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I)	15825938	7912969	31651876	15825938	0.00
56 Chlorobenzene-d5	12065684	6032842	24131368	12065684	0.00
79 1,4 Dichlorobenze	5633696	2816848	11267392	5633696	0.00

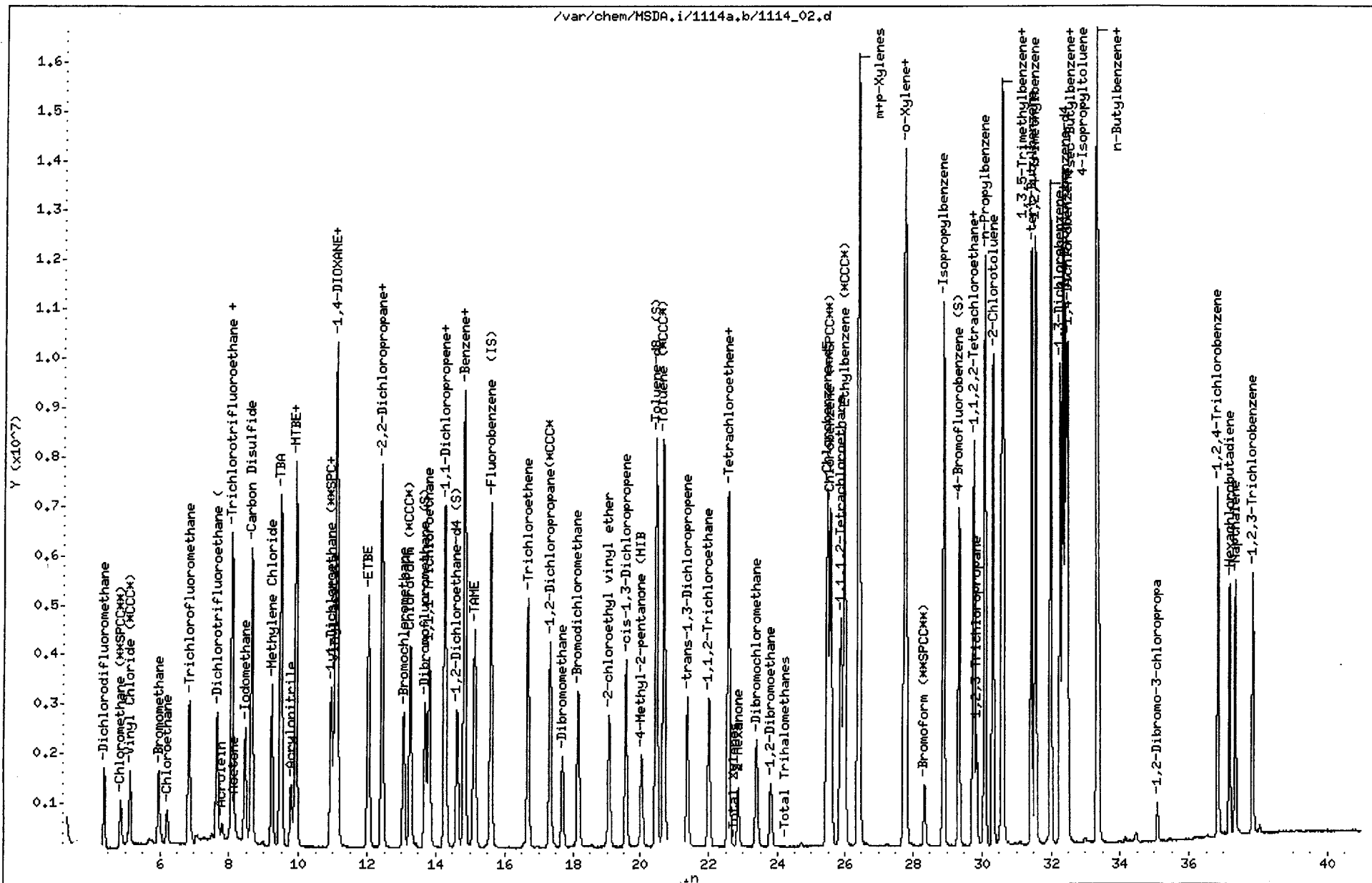
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I)	15.60	15.10	16.10	15.60	0.00
56 Chlorobenzene-d5	25.48	24.98	25.98	25.48	0.00
79 1,4 Dichlorobenze	32.43	31.93	32.93	32.43	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

DB

Data File: /var/chem/MSDA.i/1114a.b/1114_02.d
 Date: 14-NOV-2000 08:19
 Client ID:
 Sample Info: CCV @ 20 ppb
 Purge Volume: 15.0
 Column phase: DB-624

Instrument: MSDA.i
 Operator: DB
 Column diameter: 0.32



Data File: /var/chem/MSDA.i/1114a.b/1114_14.d
Report Date: 15-Nov-2000 07:29

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1114a.b/1114_14.d
Lab Smp Id: A100792-4
Inj Date : 14-NOV-2000 17:50
Operator : DB
Smp Info : A100792-4;;20x
Misc Info : 0;1;15;;15;20;V000163MSA;
Comment : 10 mL Sample Sparge
Method : /var/chem/MSDA.i/1114a.b/8260.m
Meth Date : 15-Nov-2000 07:27 dvb
Cal Date : 13-NOV-2000 22:27
Als bottle: 14
Dil Factor: 20.00000
Integrator: HP RTE
Target Version: 3.50

Inst ID: MSDA.i
Quant Type: ISTD
Cal File: 1113_17.d
Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	20.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

d Variable Local Compound Variable

*DB
11/15/00*

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN (ug/L)	FINAL (ug/L)	
26 cis 1,2-Dichloroethene	96	12.452	12.447	(0.798)	193892	1.01368	20.3	8207
\$ 29 Dibromofluoromethane (S)	113	13.702	13.707	(0.878)	4139633	21.8631	21.9	9253
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.639	14.644	(0.938)	5321991	21.9913	22.0	9378
* 37 Fluorobenzene (IS)	96	15.605	15.611	(1.000)	14791125	20.0000		9520
38 Trichloroethene	95	16.698	16.695	(1.070)	1948911	9.98459	200	9339
\$ 45 Toluene-d8 (S)	98	20.474	20.483	(1.312)	14295758	23.6330	23.6	9583
* 56 Chlorobenzene-d5	117	25.481	25.483	(1.000)	11382427	20.0000		9389
\$ 65 4-Bromofluorobenzene (S)	95	29.347	29.342	(0.905)	5798299	22.5623	22.6	8854
* 79 1,4 Dichlorobenzene-d4	152	32.435	32.424	(1.000)	5038408	20.0000		8966

@hold time

Data File: /var/chem/MSDA.i/1114a.b/1114_14.d
 Report Date: 15-Nov-2000 07:29

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1114_14.d
 Lab Smp Id: A100792-4
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB
 Method File: /var/chem/MSDA.i/1114a.b/8260.m
 Misc Info: 0;1;15;;15;20;V000163MSA;

Calibration Date: 14-NOV-2000
 Calibration Time: 08:19

Level: LOW
 Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15825938	7912969	31651876	14791125	-6.54
56 Chlorobenzene-d5	12065684	6032842	24131368	11382427	-5.66
79 1,4 Dichlorobenze	5633696	2816848	11267392	5038408	-10.57

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.60	15.10	16.10	15.61	0.04
56 Chlorobenzene-d5	25.48	24.98	25.98	25.48	0.01
9 1,4 Dichlorobenze	32.43	31.93	32.93	32.44	0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

DF

00347

Data File: /var/chem/MSDA.i/1114a.b/1114_14.d
Report Date: 15-Nov-2000 07:29

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1114a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-4
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1114a.b/8260.m
Misc Info: 0;1;15;;15;20;V000163MSA;

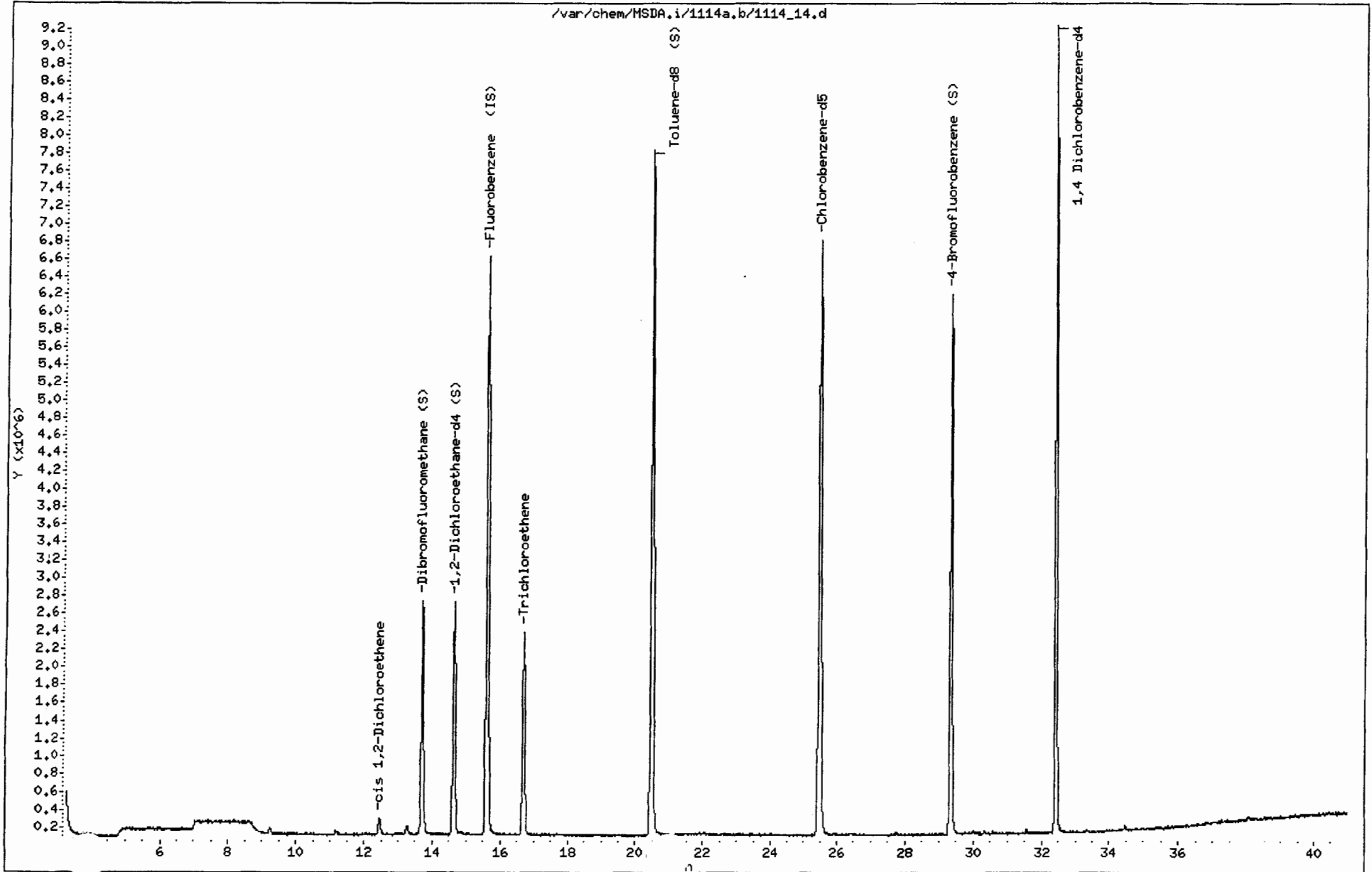
SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	21.9	109.32	70-130
\$ 33 1,2-Dichloroethane	20.0	22.0	109.96	70-130
\$ 45 Toluene-d8 (S)	20.0	23.6	118.17	70-130 ✓
\$ 65 4-Bromofluorobenze	20.0	22.6	112.81	70-130

JB

Data File: /var/chem/MSDA.i/1114a.b/1114_14.d
Date : 14-NOV-2000 17:50
Client ID:
Sample Info: A100792-4;;20x
Purge Volume: 15.0
Column phase: DB-624

Instrument: MSDA.i
Operator: DB
Column diameter: 0.32

U0349



Data File: /var/chem/HSDA.i/1114a.b/1114_14.d

Date : 14-NOV-2000 17:50

Client ID:

Instrument: MSDA.i

Sample Info: A100792-4;;20x

Purge Volume: 15.0

Operator: DB

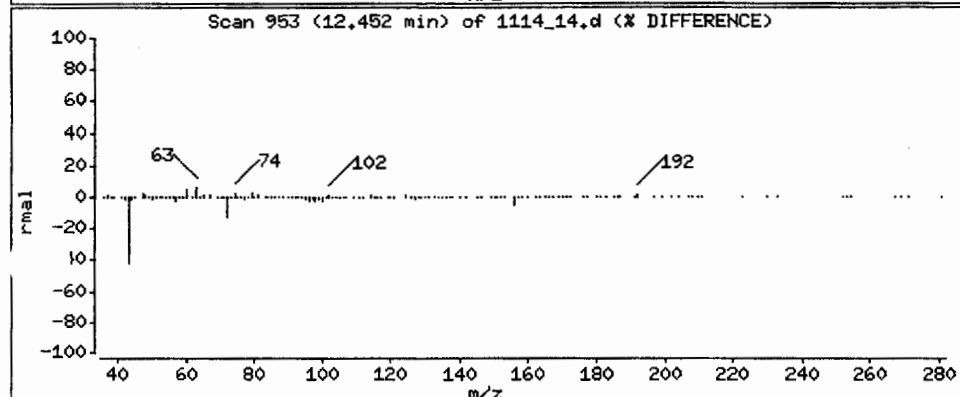
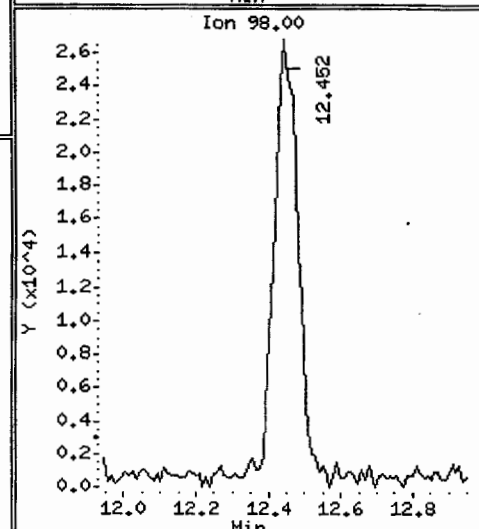
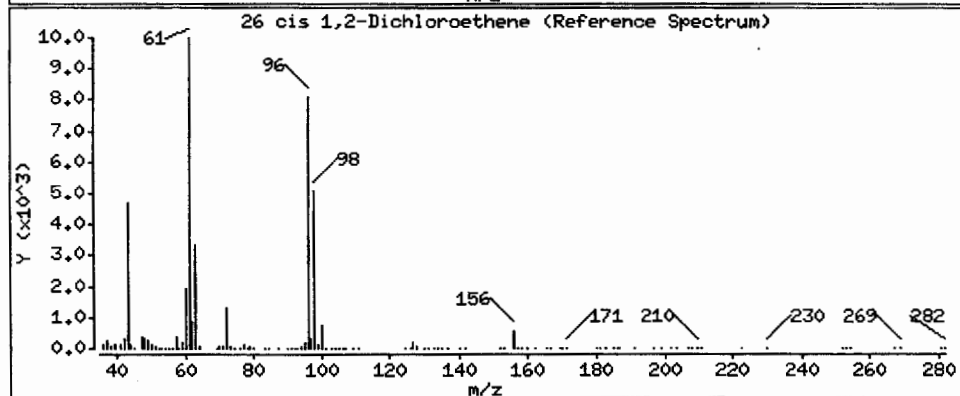
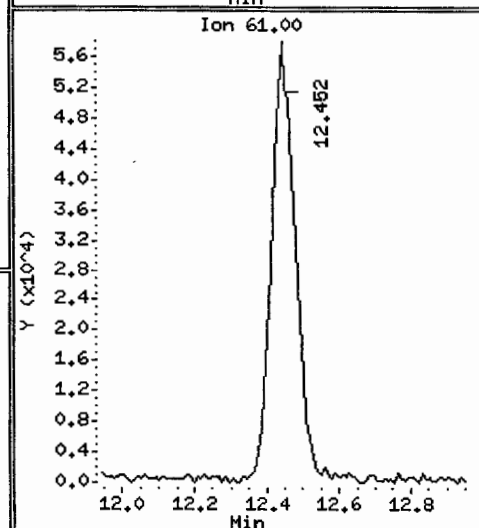
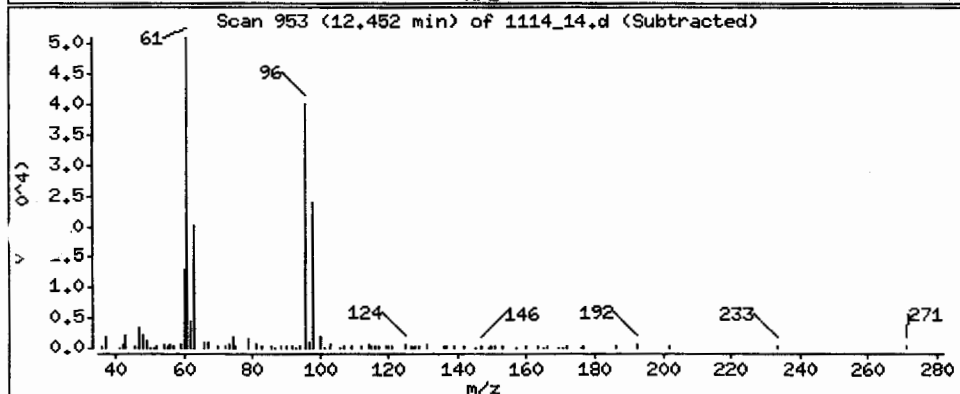
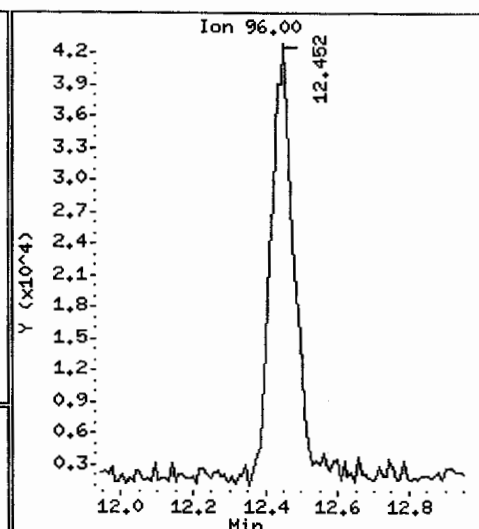
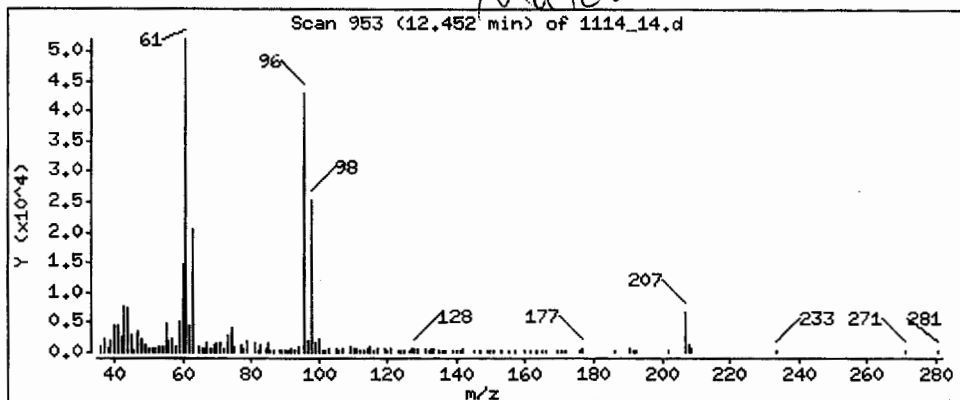
Column phase: DB-624

Column diameter: 0.32

26 cis 1,2-Dichloroethene

Concentration: 20.3 ug/L

Match



Data File: /var/chem/MSDA.i/1114a.b/1114_14.d

Date : 14-NOV-2000 17:50

Client ID:

Instrument: MSDA.i

Sample Info: A100792-4;;20x

Purge Volume: 15.0

Operator: DB

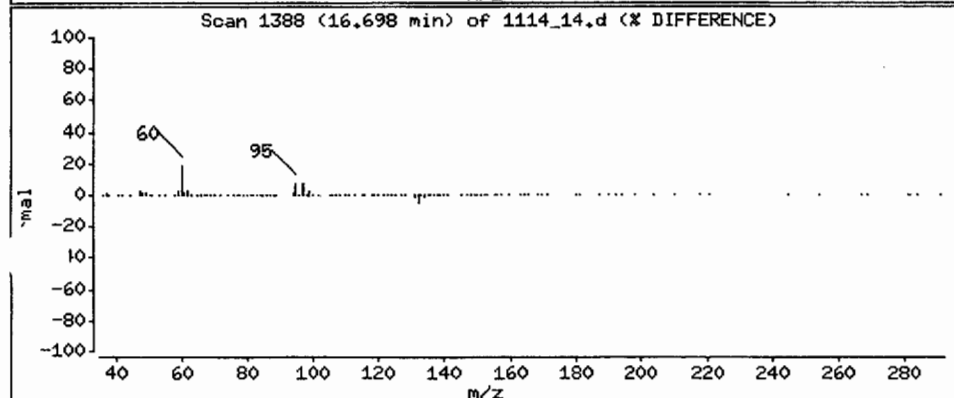
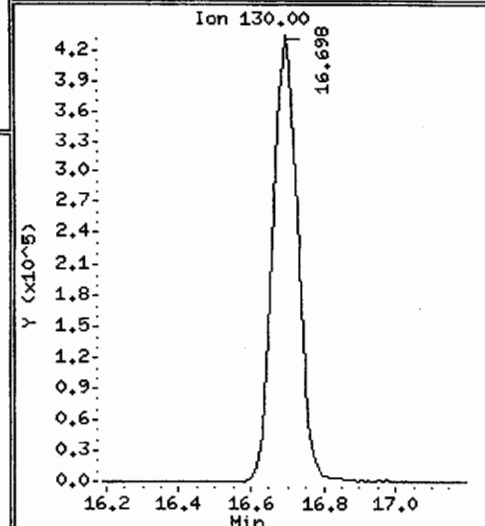
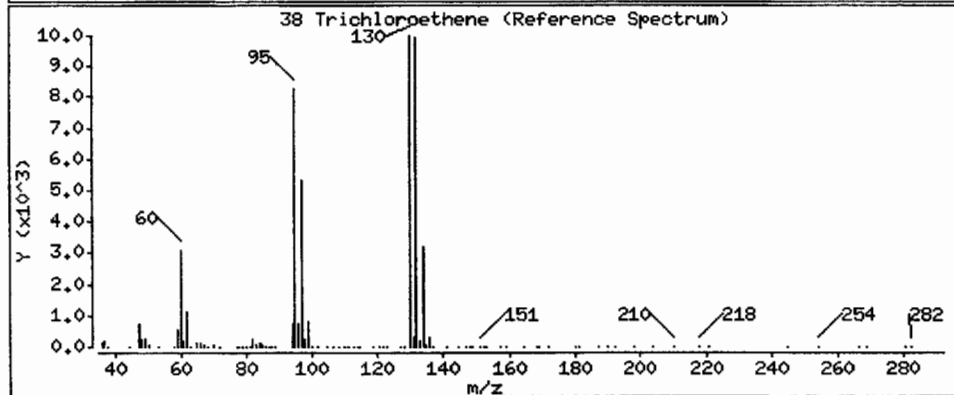
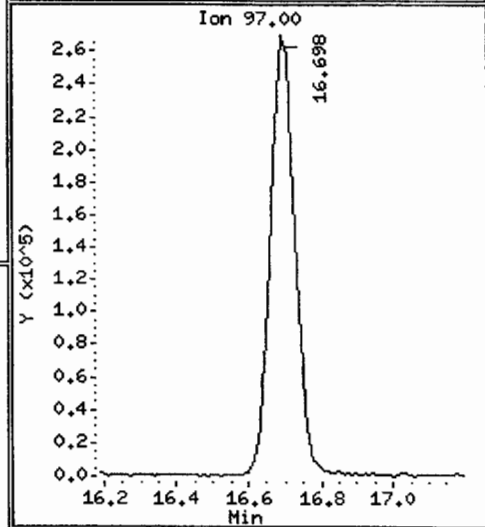
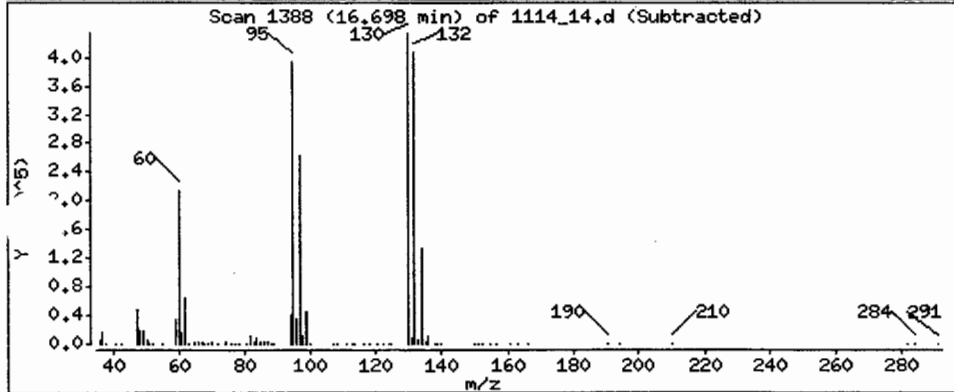
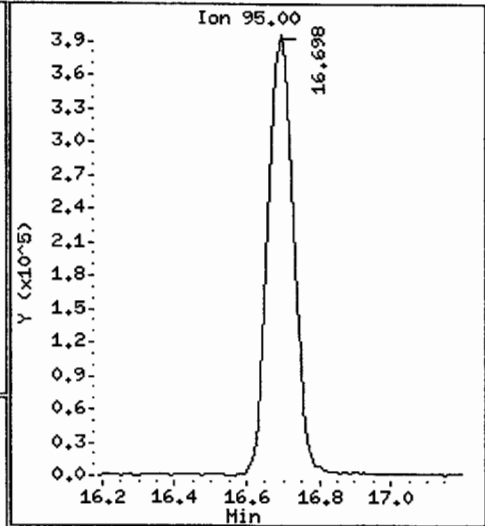
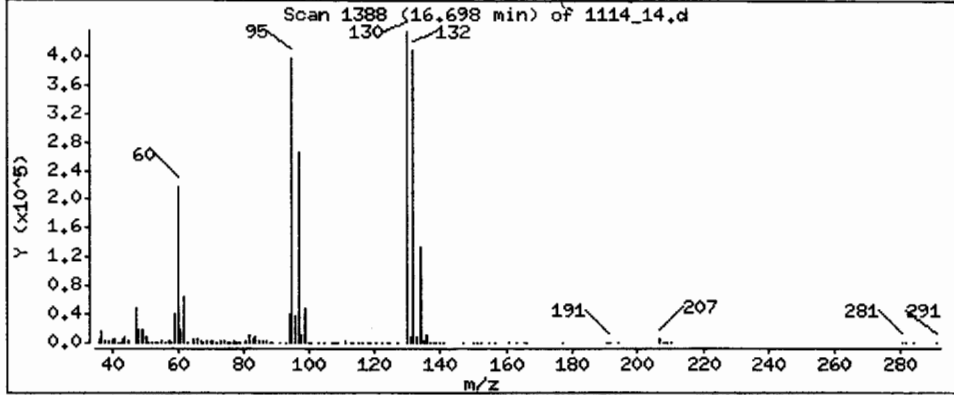
Column phase: DB-624

Column diameter: 0.32

38 Trichloroethene

Concentration: 200 ug/L

Match



Data File	Date-Time	Sample ID	Batch-Std ID	Matrix	Sublist	Run Comments (pH)
1120_01.d	20-NOV-2000 08:10	BFB	1120a	AIR	all	
1120_02.d	20-NOV-2000 08:44	BFB	1120a	AIR	all	Pass
1120_03.d	20-NOV-2000 09:18	CCV @ 20 ppb	V110100-8	WATER	all	
1120_04.d	20-NOV-2000 10:24	CCV @ 20 ppb	V110100-8	WATER	all	Pass
1120_05.d	20-NOV-2000 11:11	Blank	V000168MSA	WATER	all	
1120_06.d	20-NOV-2000 13:35	LCS @ 20ppb	V000168MSA	WATER	all	OK
1120_07.d	20-NOV-2000 14:22	Blank	V000168MSA	WATER	all	
1120_08.d	20-NOV-2000 15:09	Blank	V000168MSA	WATER	all	
1120_09.d	20-NOV-2000 15:57	A110185-1	V000168MSA	WATER	all	✓
1120_10.d	20-NOV-2000 16:49	inst blank	V000168MSA	WATER	all	
1120_11.d	20-NOV-2000 17:36	A110222-2	V000168MSA	WATER	all	✓
1120_12.d	20-NOV-2000 18:23	inst blank	V000168MSA	WATER	all	
1120_13.d	20-NOV-2000 19:11	A110190-3	V000168MSA	WATER	all	✓
1120_14.d	20-NOV-2000 19:58	A110190-4	V000168MSA	WATER	all	✓
1120_15.d	20-NOV-2000 20:45	A110190-1	V000168MSA	WATER	all	
1120_16.d	20-NOV-2000 21:33	A110190-2	V000168MSA	WATER	all	
1120_17.d	20-NOV-2000 22:19	inst blank	V000168MSA	WATER	all	
1120_18.d	20-NOV-2000 23:07	A110277-1	V000168MSA	WATER	all	
1120_19.d	20-NOV-2000 23:54	A110277-2	V000168MSA	WATER	all	
1120_20.d	21-NOV-2000 00:41	A110277-3	V000168MSA	WATER	all	
1120_21.d	21-NOV-2000 01:29	A110277-4	V000168MSA	WATER	all	
1120_22.d	21-NOV-2000 02:16	inst blank	V000168MSA	WATER	all	
1120_23.d	21-NOV-2000 03:03	A100792-11	V000168MSA	WATER	all	✓
1120_24.d	21-NOV-2000 03:51	A100792-12	V000168MSA	WATER	all	✓

COLUMNS: DB-624 METHODS: 8260.M ISTD: N103000-2
 OPERATOR: DJS

Data File: /var/chem/HSDA.i/1120a.b/1120_02.d

Date : 20-NOV-2000 08:44

Client ID:

Instrument: HSDA.i

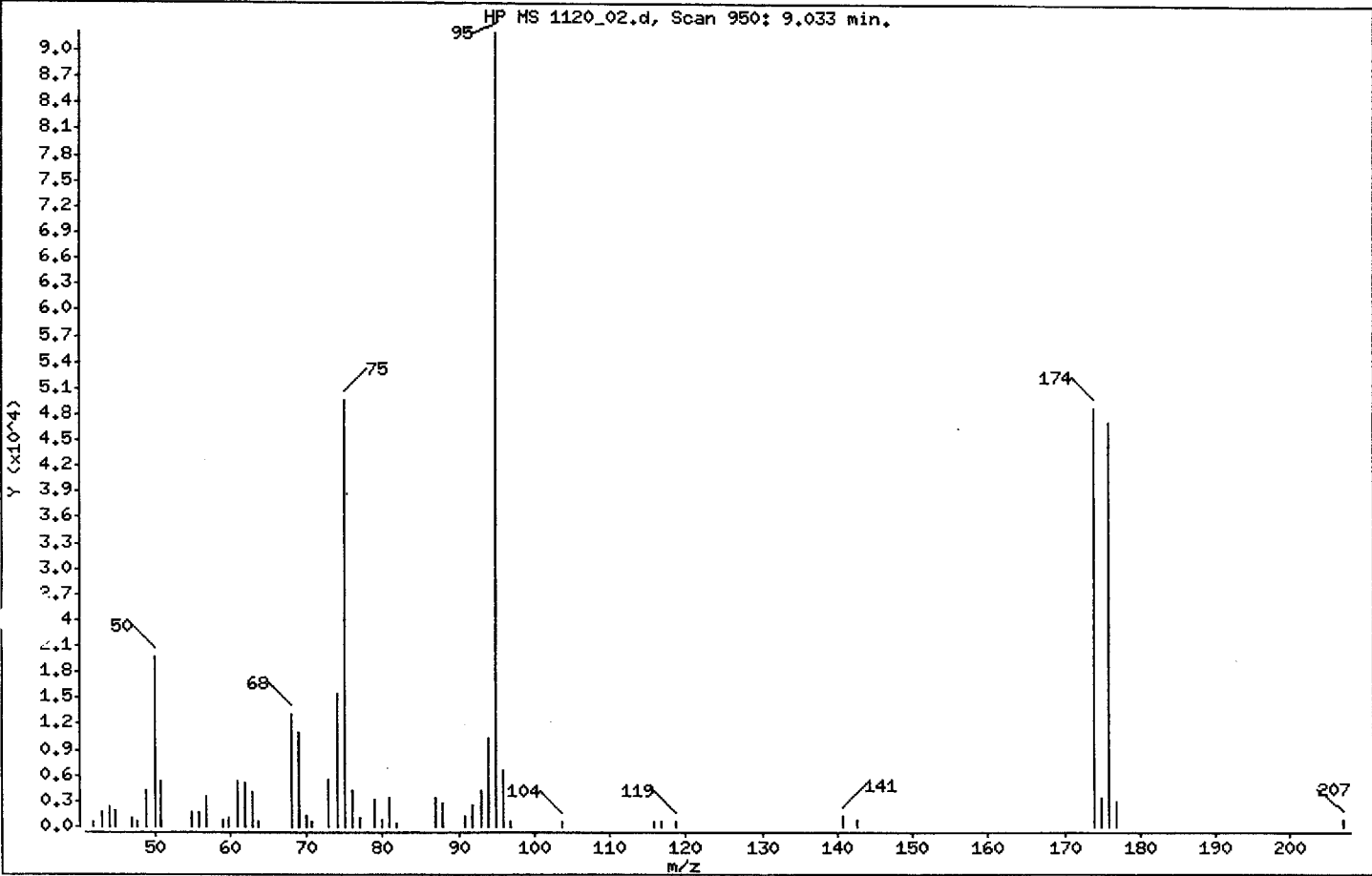
Sample Info: BFB

Operator: DB

Column phase:

Column diameter: 2.00

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.44
75	30.00 - 60.00% of mass 95	53.81
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	53.08
175	5.00 - 9.00% of mass 174	3.75 (7.06)
176	95.00 - 101.00% of mass 174	51.24 (96.53)
177	5.00 - 9.00% of mass 176	3.18 (6.21)

Pass
DB
11/28/00

00354

Data File: /var/chem/HSDA,i/1120a,b/1120_02.d

Date : 20-NOV-2000 08:44

Client ID:

Sample Info: BFB

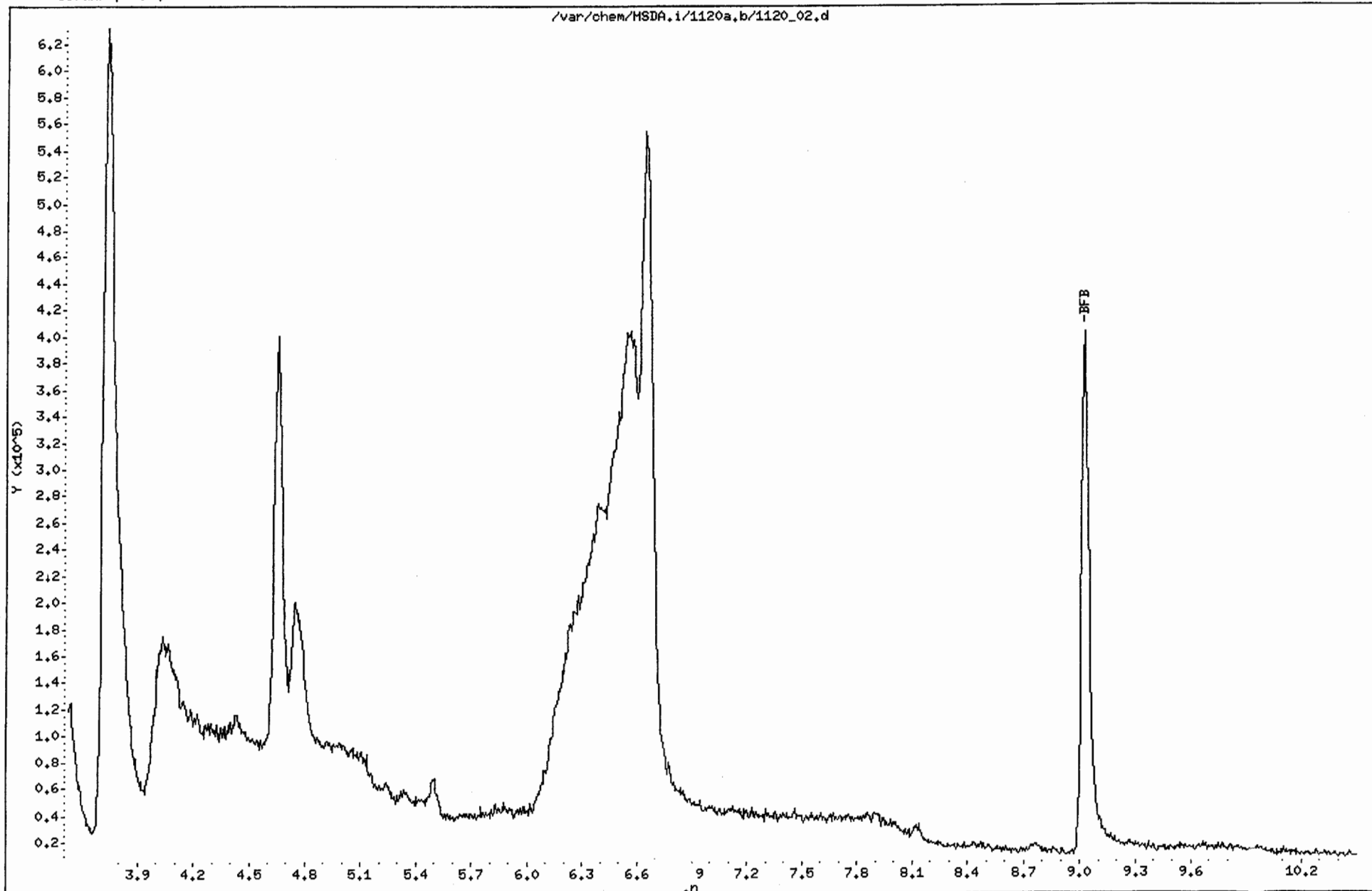
Instrument: MSDA.i

Operator: DB

Column diameter: 2.00

Column phase:

/var/chem/HSDA,i/1120a,b/1120_02.d



Caltest Analytical Laboratory
 CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSDA.i Injection Date: 20-NOV-2000 10:24
 Lab File ID: 1120_04.d Init. Cal. Date(s): 13-NOV-2000 14-NOV-2000
 Analysis Type: WATER Init. Cal. Times: 19:19 01:35
 Lab Sample ID: CCV @ 20 ppb Quant Type: ISTD
 Method: /var/chem/MSDA.i/1120a.b/8260.m

COMPOUND	RRF / AMOUNT		MIN		MAX		CURVE TYPE
	RRF	AMOUNT	RF20	RRF	%D / %DRIFT	%D / %DRIFT	
1 Dichlorodifluoromethane	0.20004		0.18092	0.000	9.6	30.0	Averaged
2 Chloromethane (**SPCC**)	0.18992		0.14314	0.100	24.6	30.0	Averaged
3 Vinyl Chloride (*CCC*)	0.21455		0.20533	0.000	4.3	20.0	Averaged
4 Bromomethane	0.13294		0.06896	0.000	48.1	30.0	Averaged
5 Chloroethane	0.08797		0.11242	0.000	-27.8	30.0	Averaged
6 Trichlorofluoromethane	0.35486		0.37461	0.000	-5.6	30.0	Averaged
7 Acrolein	0.00924		0.00731	0.000	20.8	30.0	Averaged
8 Dichlorotrifluoroethane (F1	0.21434		0.22331	0.000	-4.2	30.0	Averaged
9 Trichlorotrifluoroethane (F	0.18202		0.19342	0.000	-6.3	30.0	Averaged
10 Acetone	0.04234		0.04017	0.000	5.1	30.0	Averaged
11 1,1-Dichloroethene(*CCC*)	0.17049		0.17254	0.000	-1.2	20.0	Averaged
12 Iodomethane	0.23076		0.22865	0.000	0.9	30.0	Averaged
13 Carbon Disulfide	0.54420		0.58432	0.000	-7.4	30.0	Averaged
14 Methylene Chloride	0.26539		0.24115	0.000	9.1	30.0	Averaged
15 TBA	0.01522		0.01342	0.000	11.8	30.0	Averaged
16 Acrylonitrile	0.03652		0.03826	0.000	-4.8	30.0	Averaged
17 MTBE	0.59596		0.53638	0.000	10.0	30.0	Averaged
18 trans-1,2-Dichloroethene	0.23251		0.24343	0.000	-4.7	30.0	Averaged
19 1,1-Dichloroethane (**SPCC*	0.45987		0.49164	0.100	-6.9	30.0	Averaged
20 DIPE	0.00797		0.00825	0.000	-3.5	30.0	Averaged
21 Vinyl acetate	0.22411		0.31348	0.000	-39.9	30.0	Averaged
22 1,4-DIOXANE	0.00377		0.00394	0.000	-4.5	30.0	Averaged
23 2-Butanone (MEK)	0.34443		0.32164	0.000	6.6	30.0	Averaged
24 ETBE	0.27837		0.26123	0.000	6.2	30.0	Averaged
25 2,2-Dichloropropane	0.31767		0.37693	0.000	-18.7	30.0	Averaged
26 cis 1,2-Dichloroethene	0.25864		0.26798	0.000	-3.6	30.0	Averaged
27 Bromochloromethane	0.12043		0.12304	0.000	-2.2	30.0	Averaged
28 Chloroform (*CCC*)	0.48874		0.49656	0.000	-1.6	20.0	Averaged
\$ 29 Dibromofluoromethane (S)	0.25602		0.28772	0.000	-12.4	30.0	Averaged
30 1,1,1-Trichloroethane	0.38787		0.40756	0.000	-5.1	30.0	Averaged
31 1,1-Dichloropropene	0.33359		0.35331	0.000	-5.9	30.0	Averaged
32 Carbon Tetrachloride	0.31408		0.33976	0.000	-8.2	30.0	Averaged
\$ 33 1,2-Dichloroethane-d4 (S)	0.32723		0.33522	0.000	-2.4	30.0	Averaged
34 Benzene	0.87213		0.96061	0.000	-10.1	30.0	Averaged
35 1,2-Dichloroethane	0.39696		0.38462	0.000	3.1	30.0	Averaged
36 TAME	0.62829		0.58632	0.000	6.7	30.0	Averaged

Pass
 DB
 11/28/00

Data File: /var/chem/MSDA.i/1120a.b/1120_04.d
 Report Date: 27-Nov-2000 16:15

Caltest Analytical Laboratory
 CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSDA.i Injection Date: 20-NOV-2000 10:24
 Lab File ID: 1120_04.d Init. Cal. Date(s): 13-NOV-2000 14-NOV-2000
 Analysis Type: WATER Init. Cal. Times: 19:19 01:35
 Lab Sample ID: CCV @ 20 ppb Quant Type: ISTD
 Method: /var/chem/MSDA.i/1120a.b/8260.m

COMPOUND	RRF / AMOUNT	RF20	MIN	MAX		CURVE TYPE
			RRF	%D / %DRIFT	%D / %DRIFT	
38 Trichloroethene	0.26393	0.26641	0.000	-0.9	30.0	Averaged
39 1,2-Dichloropropane(*CCC*)	0.23140	0.24990	0.000	-8.0	20.0	Averaged
40 Dibromomethane	0.12802	0.13003	0.000	-1.6	30.0	Averaged
41 Bromodichloromethane	0.34667	0.36382	0.000	-4.9	30.0	Averaged
42 2-chloroethyl vinyl ether	0.10247	0.09534	0.000	7.0	30.0	Averaged
43 cis-1,3-Dichloropropene	0.35413	0.40565	0.000	-14.5	30.0	Averaged
44 4-Methyl-2-pentanone (MIBK)	0.11152	0.10800	0.000	3.2	30.0	Averaged
\$ 45 Toluene-d8 (S)	0.81793	0.96736	0.000	-18.3	30.0	Averaged
46 Toluene (*CCC*)	0.79702	0.81279	0.000	-2.0	20.0	Averaged
47 trans-1,3-Dichloropropene	0.37617	0.43731	0.000	-16.3	30.0	Averaged
48 1,1,2-Trichloroethane	0.18167	0.18483	0.000	-1.7	30.0	Averaged
49 Tetrachloroethene	0.25867	0.27732	0.000	-7.2	30.0	Averaged
50 1,3-Dichloropropane	0.39819	0.41571	0.000	-4.4	30.0	Averaged
M 51 Total Xylenes	0.50852	0.57239	0.000	-12.6	30.0	Averaged
52 2-Hexanone	0.08845	0.09204	0.000	-4.1	30.0	Averaged
53 Dibromochloromethane	0.26462	0.28629	0.000	-8.2	30.0	Averaged
54 1,2-Dibromoethane	0.21742	0.21460	0.000	1.3	30.0	Averaged
M 55 Total Trihalomethanes	0.28052	0.29424	0.000	-4.9	30.0	Averaged
57 Chlorobenzene (**SPCC**)	0.84149	0.89576	0.300	-6.4	30.0	Averaged
58 1,1,1,2-Tetrachloroethane	0.30313	0.33192	0.000	-9.5	30.0	Averaged
59 Ethylbenzene (*CCC*)	1.38034	1.55162	0.000	-12.4	20.0	Averaged
60 m+p-Xylenes	0.52688	0.56557	0.000	-7.3	30.0	Averaged
61 o-Xylene	0.53542	0.58604	0.000	-9.5	30.0	Averaged
62 Styrene	0.87549	0.96949	0.000	-10.7	30.0	Averaged
63 Bromoform (**SPCC**)	0.10280	0.11778	0.100	-14.6	30.0	Averaged
64 Isopropylbenzene	1.36008	1.50638	0.000	-10.8	30.0	Averaged
\$ 65 4-Bromofluorobenzene (S)	1.02013	1.12480	0.000	-10.3	30.0	Averaged
66 1,1,2,2-TetrachloroethaneSP	0.49501	0.54712	0.300	-10.5	30.0	Averaged
67 Bromobenzene	0.67601	0.71063	0.000	-5.1	30.0	Averaged
68 1,2,3-Trichloropropane	0.16108	0.15626	0.000	3.0	30.0	Averaged
69 n-Propylbenzene	3.66673	3.91510	0.000	-6.8	30.0	Averaged
70 2-Chlorotoluene	0.73781	0.78734	0.000	-6.7	30.0	Averaged
71 1,3,5-Trimethylbenzene	2.47261	2.71194	0.000	-9.7	30.0	Averaged
72 4-Chlorotoluene	0.75165	0.78915	0.000	-5.0	30.0	Averaged
73 tert-Butylbenzene	2.18753	2.37168	0.000	-8.4	30.0	Averaged
74 1,2,4-Trimethylbenzene	2.53103	2.77650	0.000	-9.7	30.0	Averaged

00356

Data File: /var/chem/MSDA.i/1120a.b/1120_04.d
 Report Date: 27-Nov-2000 16:15

Caltest Analytical Laboratory
 CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSDA.i Injection Date: 20-NOV-2000 10:24
 Lab File ID: 1120_04.d Init. Cal. Date(s): 13-NOV-2000 14-NOV-2000
 Analysis Type: WATER Init. Cal. Times: 19:19 01:35
 Lab Sample ID: CCV @ 20 ppb Quant Type: ISTD
 Method: /var/chem/MSDA.i/1120a.b/8260.m

COMPOUND	RF20		MIN	MAX		CURVE TYPE
	RRF / AMOUNT	RF20	RRF	%D / %DRIFT	%D / %DRIFT	
75 sec-Butylbenzene	3.02714	3.45285	0.000	-14.1	30.0	Averaged
76 bis(2Chloroethyl)Ether	0.00762	0.00794	0.000	-4.2	30.0	Averaged
77 1,3-Dichlorobenzene	1.38829	1.47723	0.000	-6.4	30.0	Averaged
78 4-Isopropyltoluene	2.58981	2.91270	0.000	-12.5	30.0	Averaged
80 1,4-Dichlorobenzene	1.37345	1.45402	0.000	-5.9	30.0	Averaged
81 n-Butylbenzene	2.51780	2.88989	0.000	-14.8	30.0	Averaged
82 1,2-Dichlorobenzene	1.24708	1.27652	0.000	-2.4	30.0	Averaged
83 1,2-Dibromo-3-chloropropane	0.07366	0.07565	0.000	-2.7	30.0	Averaged
84 1,2,4-Trichlorobenzene	0.60701	0.62560	0.000	-3.1	30.0	Averaged
85 Hexachlorobutadiene	0.19342	0.20067	0.000	-3.7	30.0	Averaged
86 Napthalene	1.47025	1.47593	0.000	-0.4	30.0	Averaged
87 1,2,3-Trichlorobenzene	0.49433	0.50030	0.000	-1.2	30.0	Averaged

age %D / Drift Results.

Calculated Average %D/Drift = 8.36262035
 Maximum Average %D/Drift = 15
 * Passed Average %D/Drift Test.

Data File: /var/chem/MSDA.i/1120a.b/1120_04.d
 Report Date: 27-Nov-2000 16:16

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1120a.b/1120_04.d
 Lab Smp Id: CCV @ 20 ppb
 Inj Date : 20-NOV-2000 10:24
 Operator : DB
 Smp Info : CCV @ 20 ppb
 Misc Info : 3;1;15;;15;;V000168MSA;
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1120a.b/8260.m
 Meth Date : 27-Nov-2000 16:11 dvb
 Cal Date : 13-NOV-2000 22:27
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1113 17.d
 Continuing Calibration Sample
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * (Vp/Vo)/1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

d Variable

Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		SIMILARITY
						CAL-AMT (ug/L)	ON-COL (ug/L)	
1 Dichlorodifluoromethane	85	4.381	4.390	(0.281)	3094752	20.0000	18.1	9559
2 Chloromethane (**SPCC**)	50	4.860	4.859	(0.312)	2448438	20.0000	15.1	9694
3 Vinyl Chloride (*CCC*)	62	5.124	5.141	(0.329)	3512274	20.0000	19.1	9773
4 Bromomethane	94	5.954	5.971	(0.382)	1179597	20.0000	10.4	9833(QM)
5 Chloroethane	64	6.199	6.216	(0.398)	1922976	20.0000	25.6	9566(M)
6 Trichlorofluoromethane	101	6.830	6.847	(0.438)	6407880	20.0000	21.1	9645(Q)
7 Acrolein	56	7.796	7.824	(0.500)	500205	80.0000	63.3	9703
8 Dichlorotrifluoroethane (F123)	83	7.639	7.667	(0.490)	3819760	20.0000	20.8	9480(Q)
9 Trichlorotrifluoroethane (F113)	101	8.071	8.089	(0.518)	3308600	20.0000	21.2	6964(Q)
10 Acetone	43	8.149	8.177	(0.523)	1374302	40.0000	38.0	9239
11 1,1-Dichloroethene(*CCC*)	96	8.061	8.089	(0.517)	2951437	20.0000	20.2	7958(Q)
12 Iodomethane	142	8.444	8.461	(0.542)	7822389	40.0000	39.6	9609(Q)
13 Carbon Disulfide	76	8.630	8.648	(0.554)	19990314	40.0000	42.9	9528
14 Methylene Chloride	84	9.208	9.234	(0.591)	4124989	20.0000	18.2	9630(Q)
15 TBA	59	9.472	9.498	(0.608)	22963770	2000.00	1760	9475
16 Acrylonitrile	53	9.765	9.801	(0.626)	2617498	80.0000	83.8	9775

00358

Compounds	QUANT SIG				RESPONSE	AMOUNTS		SIMILARITY
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/L)	ON-COL (ug/L)	
=====	=====	==	=====	=====	=====	=====	=====	
17 MTBE	73	9.901	9.928	(0.635)	9175109	20.0000	18.0	6372
18 trans-1,2-Dichloroethene	96	9.901	9.928	(0.635)	4164003	20.0000	20.9	8791(Q)
19 1,1-Dichloroethane (**SPCC**)	63	10.927	10.953	(0.701)	8409751	20.0000	21.4	9730
20 DIPE	100	10.927	10.963	(0.701)	282082	40.0000	41.4	9698
21 Vinyl acetate	43	11.025	11.060	(0.707)	10724529	40.0000	56.0	9789(M)
22 1,4-DIOXANE	88	11.093	11.109	(0.712)	336840	100.0000	104	9704
23 2-Butanone (MEK)	43	11.093	11.119	(0.712)	11003623	40.0000	37.4	6833(M)
24 ETBE	87	12.031	12.056	(0.772)	4468511	20.0000	18.8	9535
25 2,2-Dichloropropane	77	12.431	12.456	(0.798)	6447514	20.0000	23.7	8016
26 cis 1,2-Dichloroethene	96	12.421	12.447	(0.797)	4583966	20.0000	20.7	8743(Q)
27 Bromochloromethane	128	13.056	13.081	(0.838)	2104590	20.0000	20.4	9365(Q)
28 Chloroform (*CCC*)	83	13.252	13.277	(0.850)	8493935	20.0000	20.3	9695(Q)
\$ 29 Dibromofluoromethane (S)	113	13.672	13.707	(0.877)	4921617	20.0000	22.5	9250(Q)
30 1,1,1-Trichloroethane	97	13.799	13.814	(0.885)	6971554	20.0000	21.0	9463(Q)
31 1,1-Dichloropropene	75	14.248	14.273	(0.914)	6043497	20.0000	21.2	9500
32 Carbon Tetrachloride	117	14.277	14.303	(0.916)	5811831	20.0000	21.6	7211(Q)
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.619	14.644	(0.938)	5734025	20.0000	20.5	9571
34 Benzene	78	14.824	14.840	(0.951)	16431749	20.0000	22.0	8276
35 1,2-Dichloroethane	62	14.834	14.859	(0.952)	6579101	20.0000	19.4	8873
36 TAME	73	15.108	15.142	(0.969)	10029234	20.0000	18.7	9586
* 37 Fluorobenzene (IS)	96	15.586	15.611	(1.000)	17105491	20.0000		9661
38 Trichloroethene	95	16.670	16.695	(1.070)	4557134	20.0000	20.2	9298(Q)
39 1,2-Dichloropropane(*CCC*)	63	17.314	17.339	(1.111)	4274578	20.0000	21.6	9489(Q)
40 Dibromomethane	93	17.676	17.711	(1.134)	2224257	20.0000	20.3	8932(Q)
41 Bromodichloromethane	83	18.145	18.170	(1.164)	6223276	20.0000	21.0	9587(Q)
2-chloroethyl vinyl ether	63	19.053	19.077	(1.222)	3261788	40.0000	37.2	9401
3-cis-1,3-Dichloropropene	75	19.551	19.585	(1.254)	6938852	20.0000	22.9	9491(Q)
44 4-Methyl-2-pentanone (MIBK)	43	20.030	20.044	(1.285)	3694731	40.0000	38.7	9417(Q)
\$ 45 Toluene-d8 (S)	98	20.450	20.483	(1.312)	16547221	20.0000	23.6	9656
46 Toluene (*CCC*)	92	20.675	20.698	(0.812)	10893097	20.0000	20.4	9624(Q)
47 trans-1,3-Dichloropropene	75	21.369	21.391	(0.839)	5860846	20.0000	23.2	9477(Q)
48 1,1,2-Trichloroethane	83	21.994	22.006	(0.864)	2477134	20.0000	20.3	8684(Q)
49 Tetrachloroethene	166	22.561	22.592	(0.886)	3716614	20.0000	21.4	9142(Q)
50 1,3-Dichloropropane	76	22.581	22.583	(0.887)	5571447	20.0000	20.9	8813
M 51 Total Xylenes	106				23013741	60.0000	64.8	0
52 2-Hexanone	43	22.845	22.866	(0.897)	2467166	40.0000	41.6	9783(Q)
53 Dibromochloromethane	129	23.382	23.393	(0.918)	3836846	20.0000	21.6	9441(Q)
54 1,2-Dibromoethane	107	23.783	23.804	(0.934)	2876066	20.0000	19.7	9746(Q)
M 55 Total Trihalomethanes	100				20132514	80.0000	85.9	0
* 56 Chlorobenzene-d5	117	25.464	25.483	(1.000)	13402105	20.0000		9412
57 Chlorobenzene (**SPCC**)	112	25.571	25.591	(1.004)	12005087	20.0000	21.3	9552(Q)
58 1,1,1,2-Tetrachloroethane	131	25.864	25.884	(1.016)	4448452	20.0000	21.9	9438(Q)
59 Ethylbenzene (*CCC*)	91	25.982	26.001	(1.020)	20794947	20.0000	22.5	9735
60 m+p-Xylenes	106	26.402	26.421	(1.037)	15159600	40.0000	42.9	9699(Q)
61 o-Xylene	106	27.731	27.749	(1.089)	7854141	20.0000	21.9	8710(Q)
62 Styrene	104	27.780	27.788	(1.091)	12993247	20.0000	22.1	9697(Q)
63 Bromoform (**SPCC**)	173	28.347	28.355	(1.113)	1578457	20.0000	22.9	8796(Q)

Data File: /var/chem/MSDA.i/1120a.b/1120_04.d
 Report Date: 27-Nov-2000 16:16

Compounds	QUANT SIG		AMOUNTS				SIMILARITY	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)		ON-COL (ug/L)
64 Isopropylbenzene	105	28.885	28.902	(1.134)	20188616	20.0000	22.2	9745
\$ 65 4-Bromofluorobenzene (S)	95	29.335	29.342	(0.905)	7032118	20.0000	22.0	8937(Q)
66 1,1,2,2-TetrachloroethaneSPCC	83	29.737	29.753	(0.917)	3420516	20.0000	22.1	5180(Q)
67 Bromobenzene	156	29.756	29.772	(0.918)	4442757	20.0000	21.0	8822(Q)
68 1,2,3-Trichloropropane	110	29.854	29.870	(0.921)	976922	20.0000	19.4	7461(Q)
69 n-Propylbenzene	91	30.080	30.086	(0.928)	24476793	20.0000	21.4	9544
70 2-Chlorotoluene	126	30.315	30.320	(0.935)	4922370	20.0000	21.3	9408(Q)
71 1,3,5-Trimethylbenzene	105	30.569	30.575	(0.943)	16954754	20.0000	21.9	9302(Q)
72 4-Chlorotoluene	126	30.609	30.624	(0.944)	4933690	20.0000	21.0	9642(Q)
73 tert-Butylbenzene	119	31.422	31.435	(0.969)	14827500	20.0000	21.7	8664(Q)
74 1,2,4-Trimethylbenzene	105	31.549	31.563	(0.973)	17358382	20.0000	21.9	9691(Q)
75 sec-Butylbenzene	105	31.990	31.993	(0.987)	21586829	20.0000	22.8	9732
76 bis(2Chloroethyl)Ether	93	32.019	32.022	(2.054)	678953	100.000	104	9529(Q)
77 1,3-Dichlorobenzene	146	32.264	32.267	(0.995)	9235463	20.0000	21.3	9282(Q)
78 4-Isopropyltoluene	119	32.343	32.355	(0.998)	18209884	20.0000	22.5	9657
* 79 1,4 Dichlorobenzene-d4	152	32.421	32.424	(1.000)	6251890	20.0000		9103(Q)
80 1,4-Dichlorobenzene	146	32.480	32.492	(1.002)	9090354	20.0000	21.2	9269(Q)
81 n-Butylbenzene	91	33.323	33.334	(1.028)	18067277	20.0000	23.0	9597(Q)
82 1,2-Dichlorobenzene	146	33.372	33.373	(1.029)	7980642	20.0000	20.5	9276(Q)
83 1,2-Dibromo-3-chloropropane	157	35.100	35.108	(1.083)	472931	20.0000	20.5	9033(Q)
84 1,2,4-Trichlorobenzene	180	36.840	36.844	(1.136)	3911166	20.0000	20.6	8897(Q)
85 Hexachlorobutadiene	225	37.174	37.178	(1.147)	1254568	20.0000	20.7	7646(Q)
86 Napthalene	128	37.332	37.345	(1.151)	9227369	20.0000	20.1	9488
87 1,2,3-Trichlorobenzene	180	37.834	37.846	(1.167)	3127820	20.0000	20.2	8798(Q)

Q - Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: /var/chem/MSDA.i/1120a.b/1120_04.d
 Report Date: 27-Nov-2000 16:16

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1120_04.d
 Lab Smp Id: CCV @ 20 ppb
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB
 Method File: /var/chem/MSDA.i/1120a.b/8260.m
 Misc Info: 3;1;15;;15;;V000168MSA;

Calibration Date: 20-NOV-2000
 Calibration Time: 09:18

Level: HIGH
 Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I)	15018922	7509461	30037844	17105491	13.89
56 Chlorobenzene-d5	11763740	5881870	23527480	13402105	13.93
79 1,4 Dichlorobenze	5926317	2963158	11852634	6251890	5.49

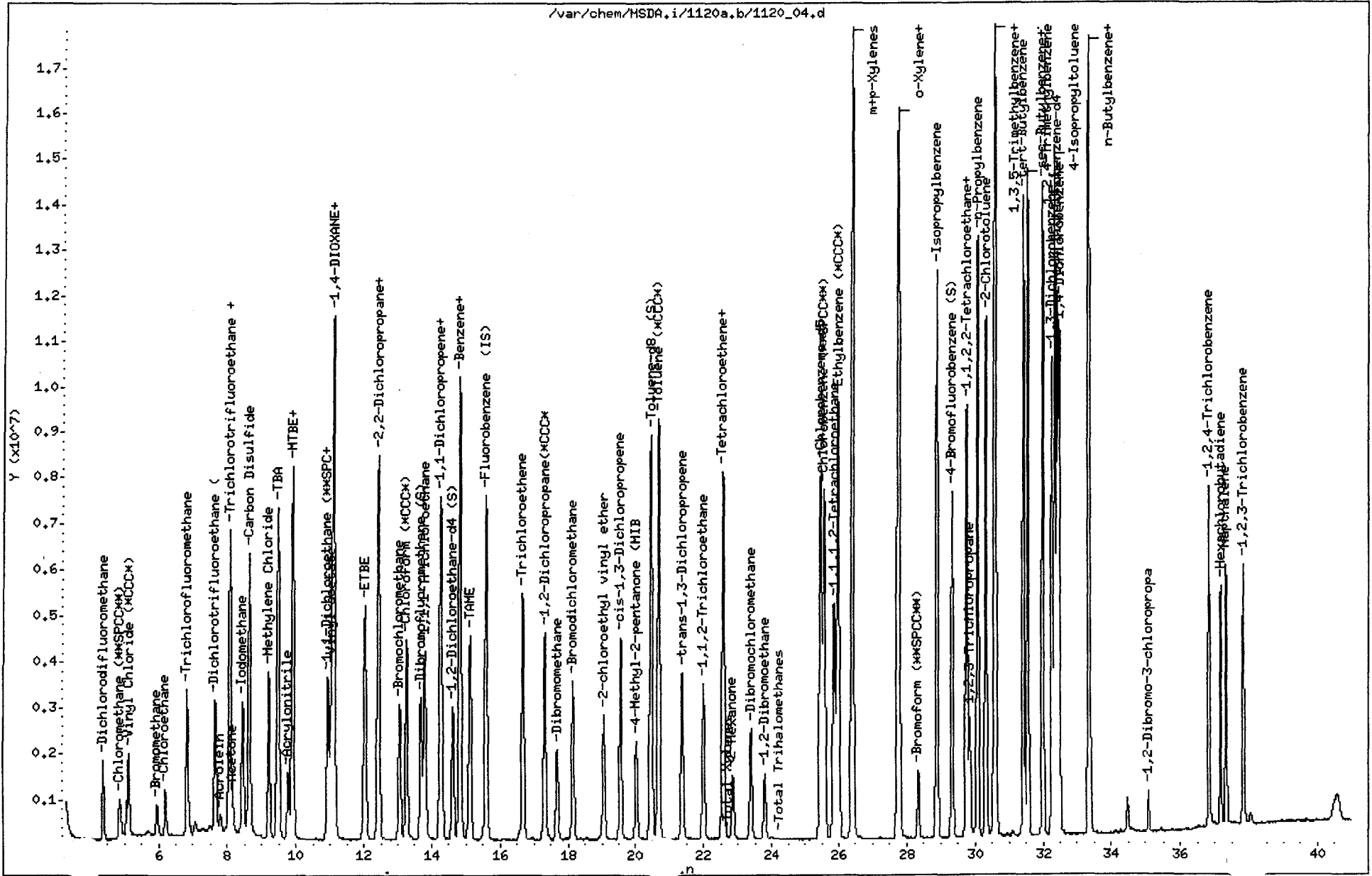
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I)	15.58	15.08	16.08	15.59	0.05
56 Chlorobenzene-d5	25.46	24.96	25.96	25.46	0.03
9 1,4 Dichlorobenze	32.42	31.92	32.92	32.42	0.01

03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA,i/1120a,b/1120_04.d
 Date : 20-NOV-2000 10:24
 Client ID:
 Sample Info: CCV @ 20 ppb
 Purge Volume: 15.0
 Column phase: DB-624

Instrument: MSDA.i
 Operator: DB
 Column diameter: 0.32



Data File: /var/chem/MSDA.i/1120a.b/1120_06.d
 Report Date: 27-Nov-2000 16:17

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1120a.b/1120_06.d
 Lab Smp Id: LCS @ 20ppb
 Inj Date : 20-NOV-2000 13:35
 Operator : DB
 Smp Info : LCS @ 20ppb
 Misc Info : 3;1;15;;15;;V000168MSA;
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1120a.b/8260.m
 Meth Date : 27-Nov-2000 16:11 dvb
 Cal Date : 13-NOV-2000 22:27
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: MSDA.i
 Quant Type: ISTD
 Cal File: 1113_17.d
 QC Sample: LCS
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

(i Variable Local Compound Variable

DB
11/28/00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN (ug/L)	FINAL (ug/L)	
1 Dichlorodifluoromethane	85	4.381	4.390	(0.281)	2831902	17.3822	17.4	9545
2 Chloromethane (**SPCC**)	50	4.860	4.859	(0.312)	2058757	13.3098	13.3	9650
3 Vinyl Chloride (*CCC*)	62	5.124	5.141	(0.329)	3146000	18.0044	18.0	9818
4 Bromomethane	94	5.962	5.971	(0.383)	880715	8.13464	8.1346	9586
5 Chloroethane	64	6.198	6.216	(0.398)	1600700	22.3413	22.3	9522
6 Trichlorofluoromethane	101	6.829	6.847	(0.438)	6623116	22.9168	22.9	9633
7 Acrolein	56	7.795	7.824	(0.500)	478657	63.6322	63.6	9302
8 Dichlorotrifluoroethane (F123)	83	7.638	7.667	(0.490)	3398993	19.4711	19.5	9393
9 Trichlorotrifluoroethane (F113)	101	8.060	8.089	(0.517)	3511610	23.6876	23.7	7019
10 Acetone	43	8.148	8.177	(0.523)	1336547	38.7598	38.8	9438
11 1,1-Dichloroethene(*CCC*)	96	8.070	8.089	(0.518)	3097468	22.3076	22.3	7909
12 Iodomethane	142	8.443	8.461	(0.542)	7293269	38.8062	38.8	9601
13 Carbon Disulfide	76	8.629	8.648	(0.554)	19479345	43.9505	44.0	9471
14 Methylene Chloride	84	9.215	9.234	(0.591)	4324736	20.0087	20.0	9686
15 TBA	59	9.459	9.498	(0.607)	20888921	1685.28	1680	9486
16 Acrylonitrile	53	9.772	9.801	(0.627)	2412234	81.1102	81.1	9850

Compounds	QUANT SIG				CONCENTRATIONS		SIMILARITY	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)		FINAL (ug/L)
17 MTBE	73	9.899	9.928	(0.635)	9787510	20.1651	20.2	6412
18 trans-1,2-Dichloroethene	96	9.899	9.928	(0.635)	4326821	22.8497	22.8	8765
19 1,1-Dichloroethane (**SPCC**)	63	10.934	10.953	(0.702)	8644373	23.0804	23.1	9704
20 DIPE	100	10.934	10.963	(0.702)	293131	45.1849	45.2	9670
21 Vinyl acetate	43	11.031	11.060	(0.708)	18378768	100.694	101	9732
22 1,4-DIOXANE	88	11.090	11.109	(0.712)	307459	100.213	100	9737
23 2-Butanone (MEK)	43	11.031	11.119	(0.708)	18383346	65.5333	65.5	6885
24 ETBE	87	12.027	12.056	(0.772)	4681404	20.6489	20.6	9596
25 2,2-Dichloropropane	77	12.438	12.456	(0.798)	6995053	27.0374	27.0	7828
26 cis 1,2-Dichloroethene	96	12.428	12.447	(0.798)	4693528	22.2821	22.3	8621
27 Bromochloromethane	128	13.053	13.081	(0.838)	2221290	22.6473	22.6	9343
28 Chloroform (*CCC*)	83	13.248	13.277	(0.850)	8918071	22.4048	22.4	9618
\$ 29 Dibromofluoromethane (S)	113	13.668	13.707	(0.877)	4788679	22.9658	23.0	9237
30 1,1,1-Trichloroethane	97	13.796	13.814	(0.885)	7429735	23.5195	23.5	9509
31 1,1-Dichloropropene	75	14.245	14.273	(0.914)	6432442	23.6757	23.7	9496
32 Carbon Tetrachloride	117	14.274	14.303	(0.916)	6262542	24.4828	24.5	7000
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.616	14.644	(0.938)	5712105	21.4333	21.4	9588
34 Benzene	78	14.821	14.840	(0.951)	16981235	23.9075	23.9	8258
35 1,2-Dichloroethane	62	14.831	14.859	(0.952)	7047142	21.7977	21.8	8898
36 TAME	73	15.114	15.142	(0.970)	10554856	20.6271	20.6	9622
* 37 Fluorobenzene (IS)	96	15.583	15.611	(1.000)	16288660	20.0000		9610
38 Trichloroethene	95	16.677	16.695	(1.070)	4787974	22.2744	22.3	9367
39 1,2-Dichloropropane(*CCC*)	63	17.312	17.339	(1.111)	4428382	23.4981	23.5	9442
40 Dibromomethane	93	17.674	17.711	(1.134)	2334787	22.3924	22.4	8906
41 Bromodichloromethane	83	18.143	18.170	(1.164)	6553772	23.2124	23.2	9544
42 chloroethyl vinyl ether	63	19.051	19.077	(1.223)	3064511	36.7198	36.7	9365
43 cis-1,3-Dichloropropene	75	19.550	19.585	(1.255)	7366011	25.5393	25.5	9559
44 4-Methyl-2-pentanone (MIBK)	43	20.029	20.044	(1.285)	3299964	36.3342	36.3	9363
\$ 45 Toluene-d8 (S)	98	20.458	20.483	(1.313)	15894808	23.8607	23.9	9630
46 Toluene (*CCC*)	92	20.673	20.698	(0.812)	11398331	21.7059	21.7	9631
47 trans-1,3-Dichloropropene	75	21.367	21.391	(0.839)	6207174	25.0443	25.0	9485
48 1,1,2-Trichloroethane	83	21.993	22.006	(0.863)	2604124	21.7564	21.8	8702
49 Tetrachloroethene	166	22.559	22.592	(0.886)	3968489	23.2850	23.3	9084
50 1,3-Dichloropropane	76	22.569	22.583	(0.886)	5854805	22.3163	22.3	9006
M 51 Total Xylenes	106				24407486	69.9292	69.9	0
52 2-Hexanone	43	22.843	22.866	(0.897)	2213893	37.9912	38.0	9654
53 Dibromochloromethane	129	23.371	23.393	(0.918)	4110496	23.5765	23.6	9372
54 1,2-Dibromoethane	107	23.781	23.804	(0.934)	3067141	21.4107	21.4	9679
M 55 Total Trihalomethanes	100				21286104	94.3485	94.3	0
* 56 Chlorobenzene-d5	117	25.472	25.483	(1.000)	13177247	20.0000		9441
57 Chlorobenzene (**SPCC**)	112	25.569	25.591	(1.004)	12707174	22.9196	22.9	9565
58 1,1,1,2-Tetrachloroethane	131	25.863	25.884	(1.015)	4725679	23.6616	23.7	9431
59 Ethylbenzene (*CCC*)	91	25.980	26.001	(1.020)	22285401	24.5042	24.5	9740
60 m+p-Xylenes	106	26.400	26.421	(1.036)	16132704	46.4726	46.5	9662
61 o-Xylene	106	27.739	27.749	(1.089)	8274782	23.4566	23.4	8278
62 Styrene	104	27.778	27.788	(1.091)	13873606	24.0515	24.0	9736
63 Bromoform (**SPCC**)	173	28.346	28.355	(1.113)	1703765	25.1548	25.2	8664

Compounds	QUANT SIG		CONCENTRATIONS					SIMILARITY
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)	
64 Isopropylbenzene	105	28.894	28.902	(1.134)	21962822	24.5092	24.5	9788
\$ 65 4-Bromofluorobenzene (S)	95	29.335	29.342	(0.905)	7063080	22.0850	22.1	8969
66 1,1,2,2-TetrachloroethaneSPCC	83	29.736	29.753	(0.917)	3677240	23.6954	23.7	5262
67 Bromobenzene	156	29.766	29.772	(0.918)	4822865	22.7566	22.8	9082
68 1,2,3-Trichloropropane	110	29.854	29.870	(0.921)	1057564	20.9421	20.9	8075
69 n-Propylbenzene	91	30.080	30.086	(0.928)	25912769	22.5419	22.5	9372
70 2-Chlorotoluene	126	30.315	30.320	(0.935)	5358234	23.1650	23.2	9364
71 1,3,5-Trimethylbenzene	105	30.570	30.575	(0.943)	18445601	23.7955	23.8	9380
72 4-Chlorotoluene	126	30.609	30.624	(0.944)	5316370	22.5608	22.6	9516
73 tert-Butylbenzene	119	31.432	31.435	(0.969)	16148179	23.5464	23.5	8668
74 1,2,4-Trimethylbenzene	105	31.549	31.563	(0.973)	18848178	23.7535	23.8	9718
75 sec-Butylbenzene	105	31.990	31.993	(0.987)	23007376	24.2433	24.2	9593
76 bis(2Chloroethyl)Ether	93	32.020	32.022	(2.055)	646953	104.298	104	9698
77 1,3-Dichlorobenzene	146	32.265	32.267	(0.995)	10025619	23.0350	23.0	9243
78 4-Isopropyltoluene	119	32.343	32.355	(0.998)	19581454	24.1175	24.1	9624
* 79 1,4 Dichlorobenzene-d4	152	32.421	32.424	(1.000)	6270087	20.0000		9017
80 1,4-Dichlorobenzene	146	32.480	32.492	(1.002)	9868768	22.9196	22.9	9240
81 n-Butylbenzene	91	33.324	33.334	(1.028)	19737876	25.0055	25.0	9553
82 1,2-Dichlorobenzene	146	33.373	33.373	(1.029)	8675909	22.1910	22.2	9188
83 1,2-Dibromo-3-chloropropane	157	35.102	35.108	(1.083)	507400	21.9737	22.0	9027
84 1,2,4-Trichlorobenzene	180	36.841	36.844	(1.136)	4101503	21.5529	21.6	8886
85 Hexachlorobutadiene	225	37.175	37.178	(1.147)	1349108	22.2480	22.2	7653
86 Napthalene	128	37.333	37.345	(1.151)	9090809	19.7227	19.7	9532
87 1,2,3-Trichlorobenzene	180	37.835	37.846	(1.167)	3097092	19.9844	20.0	8811

Data File: /var/chem/MSDA.i/1120a.b/1120_06.d
 Report Date: 27-Nov-2000 16:17

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1120_06.d
 Lab Smp Id: LCS @ 20ppb
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB

Calibration Date: 20-NOV-2000
 Calibration Time: 10:24

Level: LOW
 Sample Type: WATER

Method File: /var/chem/MSDA.i/1120a.b/8260.m
 Misc Info: 3;1;15;;15;;V000168MSA;

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	17105491	8552746	34210982	16288660	-4.78
56 Chlorobenzene-d5	13402105	6701052	26804210	13177247	-1.68
79 1,4 Dichlorobenze	6251890	3125945	12503780	6270087	0.29

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.59	15.09	16.09	15.58	-0.02
56 Chlorobenzene-d5	25.46	24.96	25.96	25.47	0.03
79 1,4 Dichlorobenze	32.42	31.92	32.92	32.42	0.00

DB

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA.i/1120a.b/1120_06.d
 Report Date: 27-Nov-2000 16:17

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1120a
 Sample Matrix: LIQUID Fraction: VOA
 Lab Smp Id: LCS @ 20ppb
 Level: LOW Operator: DB
 Data Type: MS DATA SampleType: LCS
 SpikeList File: voa.spk Quant Type: ISTD
 Sublist File: all.sub
 Method File: /var/chem/MSDA.i/1120a.b/8260.m
 Misc Info: 3;1;15;;15;;V000168MSA;

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
34 Benzene	20.0	23.9	119.54	70-130
57 Chlorobenzene (**S	20.0	22.9	114.60	70-130
11 1,1-Dichloroethene	20.0	22.3	111.54	70-130
46 Toluene (*CCC*)	20.0	21.7	108.53	70-130
38 Trichloroethene	20.0	22.3	111.37	70-130

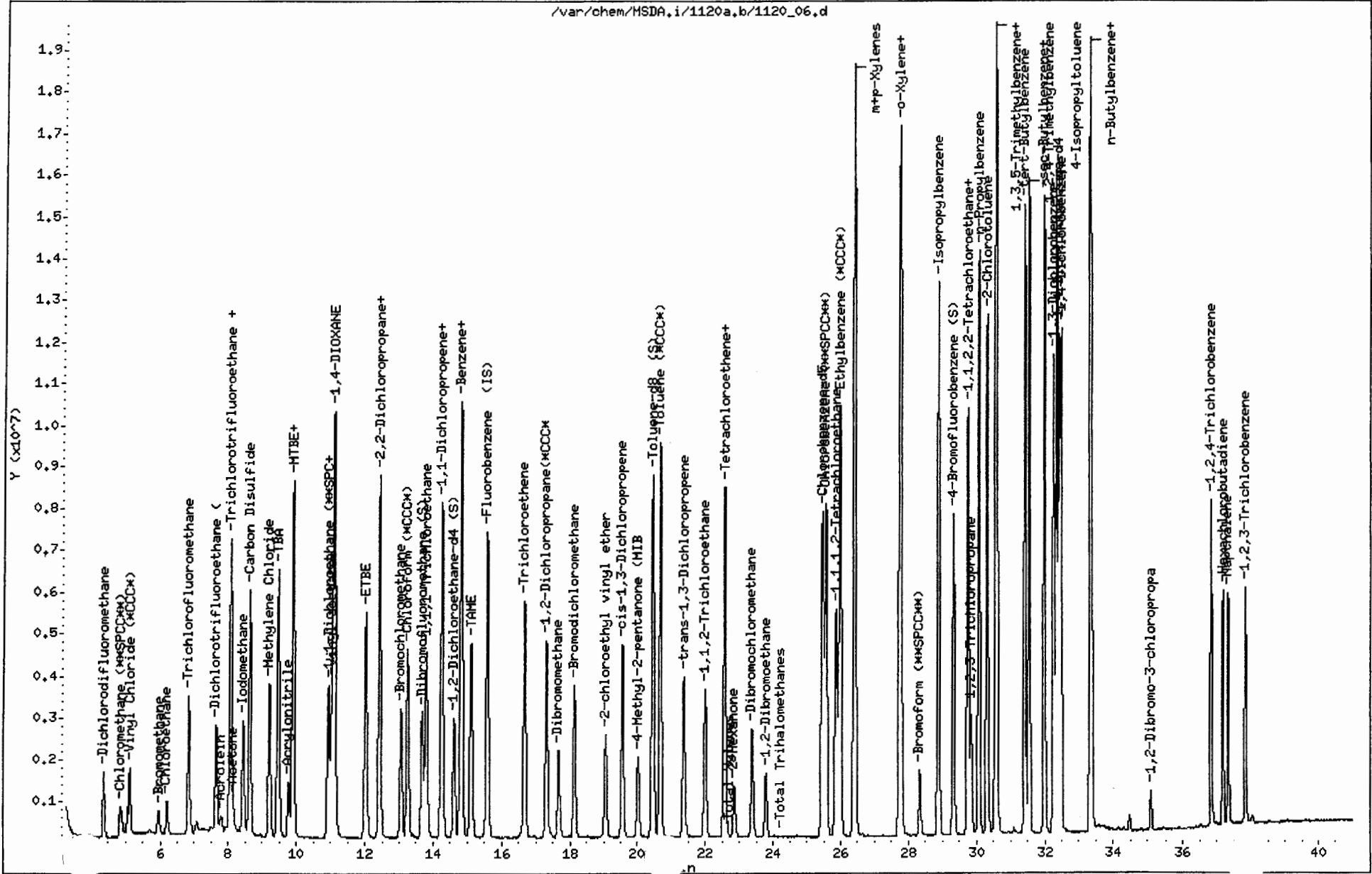
SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
29 Dibromofluorometha	20.0	23.0	114.83	70-130
33 1,2-Dichloroethane	20.0	21.4	107.17	70-130
45 Toluene-d8 (S)	20.0	23.9	119.30	70-130
65 4-Bromofluorobenze	20.0	22.1	110.42	70-130

DB

Data File: /var/chem/MSDA.i/1120a,b/1120_06.d
 Date : 20-NOV-2000 13:35
 Client ID:
 Sample Info: LCS @ 20ppb
 Purge Volume: 15.0
 Column phase: DB-624

Instrument: MSDA.i
 Operator: DB
 Column diameter: 0.32

00368



Data File: /var/chem/MSDA.i/1120a.b/1120_08.d
 Report Date: 27-Nov-2000 16:17

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1120a.b/1120_08.d
 Lab Smp Id: Blank
 Inj Date : 20-NOV-2000 15:09
 Operator : DB Inst ID: MSDA.i
 Smp Info : Blank
 Misc Info : 3;1;15;;15;;V000168MSA;
 Comment : 10 mL Sample Sparge
 Method : /var/chem/MSDA.i/1120a.b/8260.m
 Meth Date : 27-Nov-2000 16:11 dvb Quant Type: ISTD
 Cal Date : 13-NOV-2000 22:27 Cal File: 1113 17.d
 Als bottle: 8 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

(1 Variable Local Compound Variable

DB
11/28/00

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
						ON-COLUMN (ug/L)	FINAL (ug/L)	
10 Acetone	43	8.179	8.177	(0.524)	186294	5.59334	5.59334	8742
13 Carbon Disulfide	76	8.650	8.648	(0.555)	307988	0.71945	0.71945	9075
\$ 29 Dibromofluoromethane (S)	113	13.703	13.707	(0.878)	4770042	23.6844	23.7	9282
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.631	14.644	(0.938)	5656733	21.9752	22.0	9465
* 37 Fluorobenzene (IS)	96	15.598	15.611	(1.000)	15732944	20.0000		9630
\$ 45 Toluene-d8 (S)	98	20.471	20.483	(1.312)	15444302	24.0033	24.0	9674
* 56 Chlorobenzene-d5	117	25.472	25.483	(1.000)	12564328	20.0000		9455
\$ 65 4-Bromofluorobenzene (S)	95	29.342	29.342	(0.905)	6457146	21.9912	22.0	8884
79 1,4 Dichlorobenzene-d4	152	32.424	32.424	(1.000)	5756633	20.0000		9004

Data File: /var/chem/MSDA.i/1120a.b/1120_08.d
 Report Date: 27-Nov-2000 16:17

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1120_08.d
 Lab Smp Id: Blank
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB

Calibration Date: 20-NOV-2000
 Calibration Time: 10:24

Level: LOW
 Sample Type: WATER

Method File: /var/chem/MSDA.i/1120a.b/8260.m
 Misc Info: 3;1;15;;15;;V000168MSA;

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	17105491	8552746	34210982	15732944	-8.02
56 Chlorobenzene-d5	13402105	6701052	26804210	12564328	-6.25
79 1,4 Dichlorobenze	6251890	3125945	12503780	5756633	-7.92

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.59	15.09	16.09	15.60	0.08
56 Chlorobenzene-d5	25.46	24.96	25.96	25.47	0.03
9 1,4 Dichlorobenze	32.42	31.92	32.92	32.42	0.01

013

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /var/chem/MSDA.i/1120a.b/1120_08.d
Report Date: 27-Nov-2000 16:17

Caltest Analytical Laboratory
RECOVERY REPORT

Client Name: Client SDG: 1120a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: Blank Operator: DB
Level: LOW SampleType: BLANK
Data Type: MS DATA Quant Type: ISTD
SpikeList File: voa.spk
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1120a.b/8260.m
Misc Info: 3;1;15;;15;;V000168MSA;

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	23.7	118.42	70-130
\$ 33 1,2-Dichloroethane	20.0	22.0	109.88	70-130
\$ 45 Toluene-d8 (S)	20.0	24.0	120.02	70-130
\$ 65 4-Bromofluorobenze	20.0	22.0	109.96	70-130

DB

Data File: /var/chem/MSDA.i/1120a,b/1120_08.d

Date : 20-NOV-2000 15:09

Client ID:

Sample Info: Blank

Purge Volume: 15.0

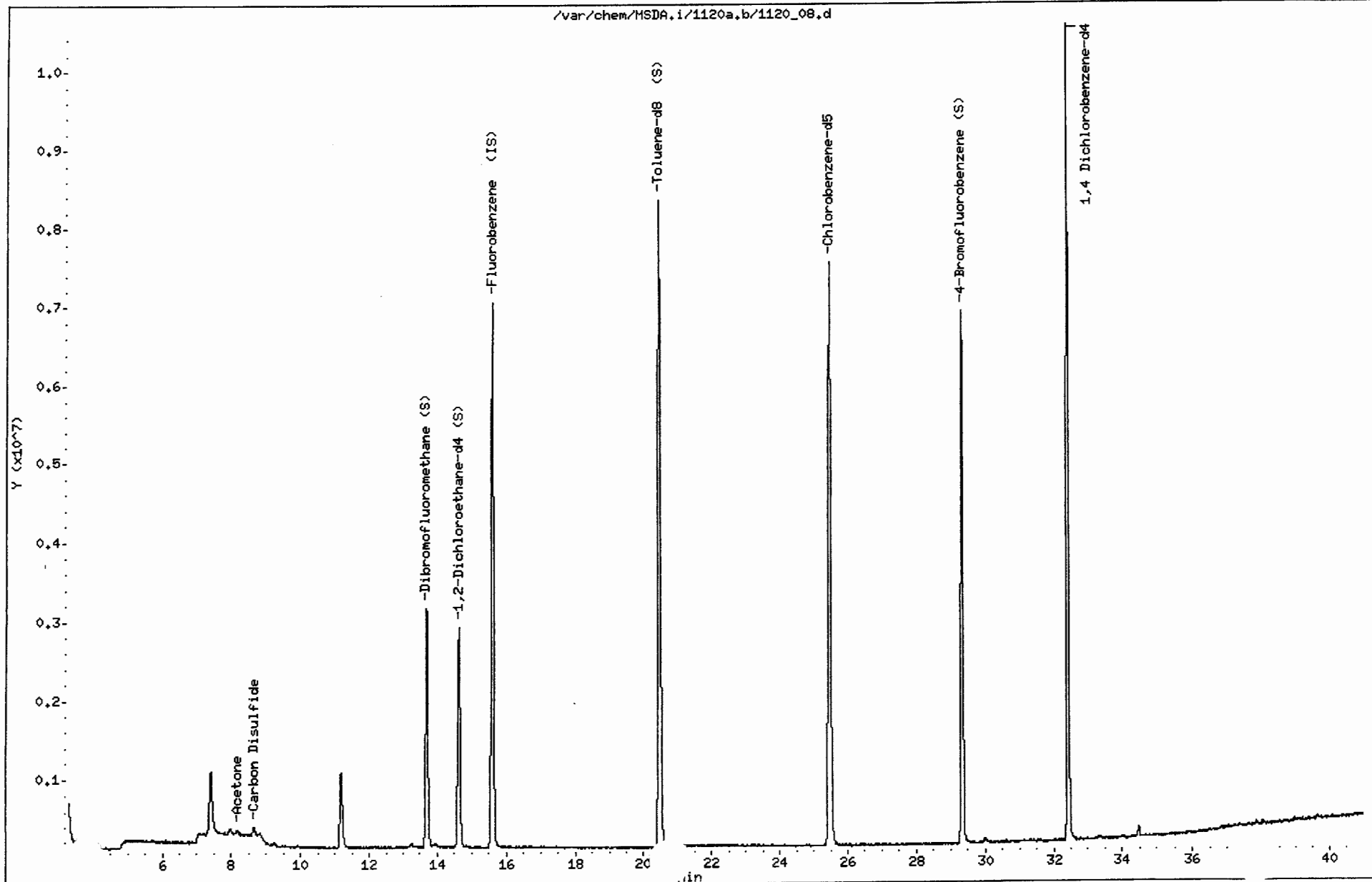
Column phase: DB-624

Instrument: MSDA.i

Operator: DB

Column diameter: 0.32

00372



Data File: /var/chem/MSDA.i/1120a.b/1120_23.d
Report Date: 27-Nov-2000 16:19

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1120a.b/1120_23.d
Lab Smp Id: A100792-11
Inj Date : 21-NOV-2000 03:03
Operator : DB
Smp Info : A100792-11
Misc Info : 0;1;15;;15;;V000168MSA;
Comment : 10 mL Sample Sparge
Method : /var/chem/MSDA.i/1120a.b/8260.m
Meth Date : 27-Nov-2000 16:17 dvb
Cal Date : 13-NOV-2000 22:27
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50

Inst ID: MSDA.i

Quant Type: ISTD

Cal File: 1113_17.d

Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

DB
11/20/00

(i Variable

Local Compound Variable

CONCENTRATIONS

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	SIMILARITY
	MASS					(ug/L)	(ug/L)	
2 Chloromethane (**SPCC**)	50	4.877	4.859	(0.312)	112501	0.78372	0.78372	9062
10 Acetone	43	8.175	8.177	(0.524)	312279	9.75835	9.75835 <i>9.75835</i>	9451
14 Methylene Chloride	84	9.233	9.234	(0.592)	106394	0.53041	0.53041 <i>0.53041</i>	9474
\$ 29 Dibromofluoromethane (S)	113	13.704	13.707	(0.878)	4563445	23.5828	23.6	9255
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.641	14.644	(0.938)	5427530	21.9448	21.9	9473
* 37 Fluorobenzene (IS)	96	15.607	15.611	(1.000)	15116417	20.0000		9591
\$ 45 Toluene-d8 (S)	98	20.476	20.483	(1.312)	14891722	24.0885	24.1	9679
* 56 Chlorobenzene-d5	117	25.483	25.483	(1.000)	11829596	20.0000		9423
\$ 65 4-Bromofluorobenzene (S)	95	29.339	29.342	(0.905)	6019906	22.2338	22.2	8765
* 79 1,4 Dichlorobenzene-d4	152	32.428	32.424	(1.000)	5308273	20.0000		8909

hold time

00373

Data File: /var/chem/MSDA.i/1120a.b/1120_23.d
 Report Date: 27-Nov-2000 16:19

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1120 23.d
 Lab Smp Id: A100792-11
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB

Calibration Date: 20-NOV-2000
 Calibration Time: 10:24

Level: LOW
 Sample Type: WATER

Method File: /var/chem/MSDA.i/1120a.b/8260.m
 Misc Info: 0;1;15;;15;;V000168MSA;

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	17105491	8552746	34210982	15116417	-11.63
56 Chlorobenzene-d5	13402105	6701052	26804210	11829596	-11.73
79 1,4 Dichlorobenze	6251890	3125945	12503780	5308273	-15.09

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.59	15.09	16.09	15.61	0.14
56 Chlorobenzene-d5	25.46	24.96	25.96	25.48	0.08
9 1,4 Dichlorobenze	32.42	31.92	32.92	32.43	0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

DB

Data File: /var/chem/MSDA.i/1120a.b/1120_23.d
Report Date: 27-Nov-2000 16:19

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1120a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-11
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1120a.b/8260.m
Misc Info: 0;1;15;;15;;V000168MSA;

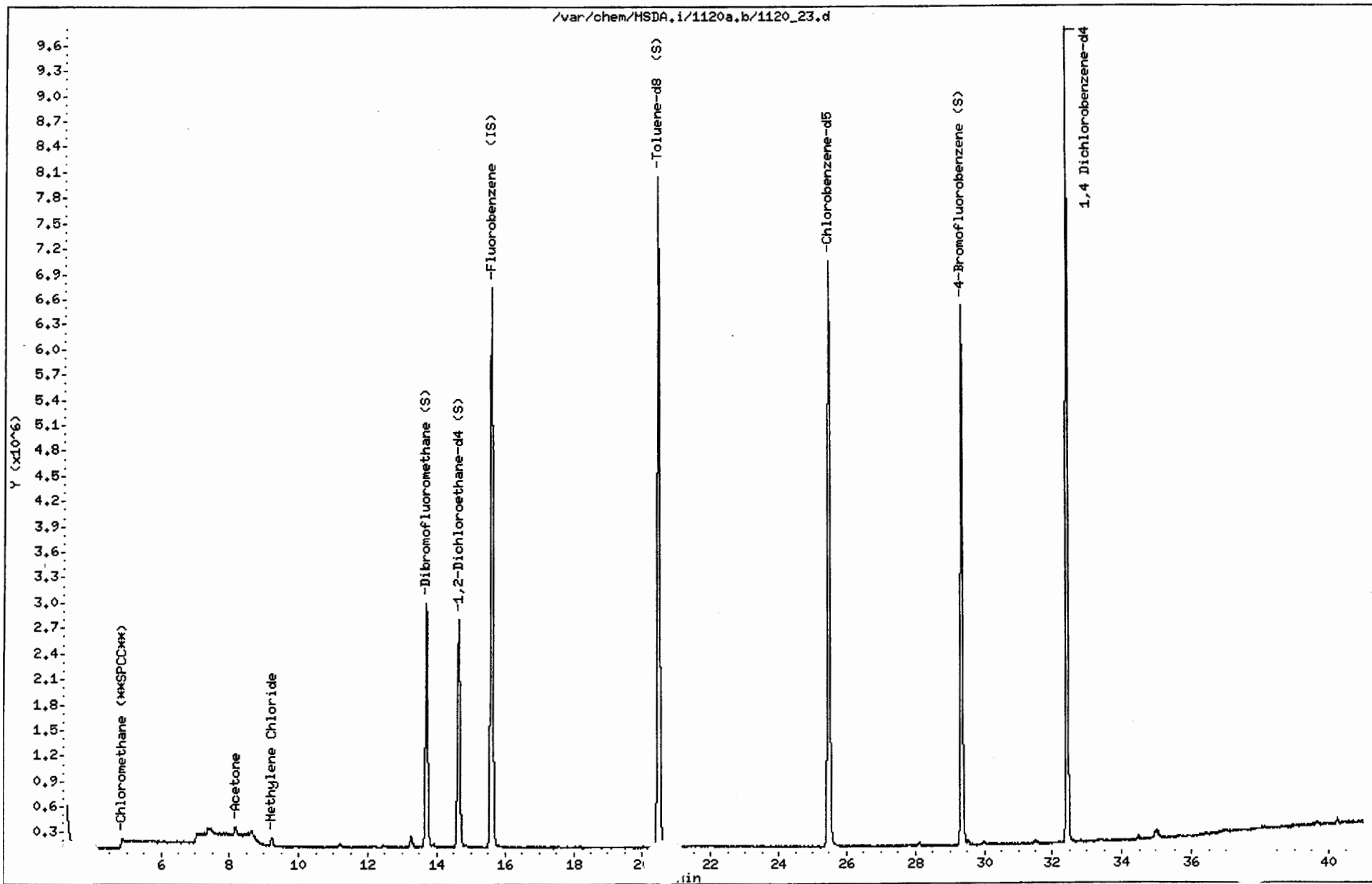
SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	23.6	117.91	70-130
\$ 33 1,2-Dichloroethane	20.0	21.9	109.72	70-130
\$ 45 Toluene-d8 (S)	20.0	24.1	120.44	70-130
\$ 65 4-Bromofluorobenze	20.0	22.2	111.17	70-130

DB

Data File: /var/chem/HSDA,i/1120a,b/1120_23.d
Date : 21-NOV-2000 03:03
Client ID:
Sample Info: A100792-11
Purge Volume: 15.0
Column phase: DB-624

Instrument: HSDA.i
Operator: DB
Column diameter: 0.32

00376



Data File: /var/chem/HSDA,i/1120a,b/1120_23.d

Date : 21-NOV-2000 03:03

Client ID:

Instrument: HSDA.i

Sample Info: A100792-11

Purge Volume: 15.0

Operator: DB

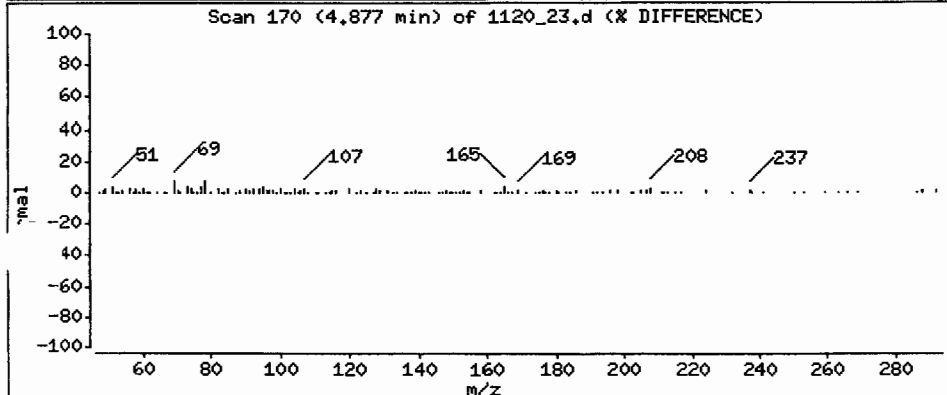
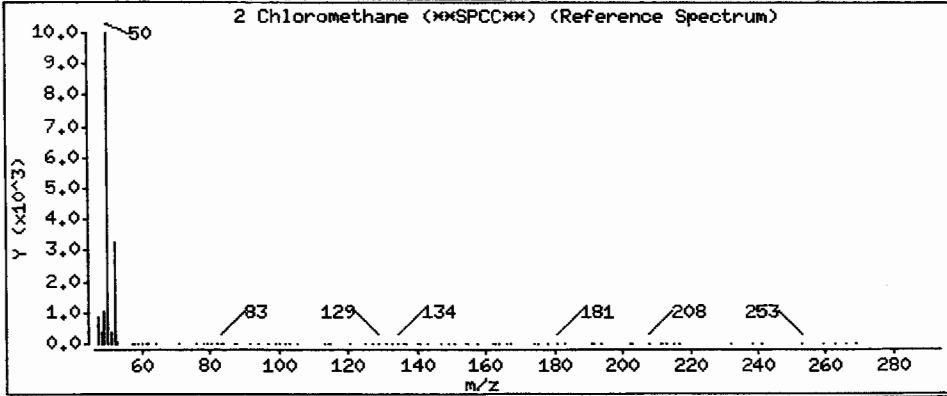
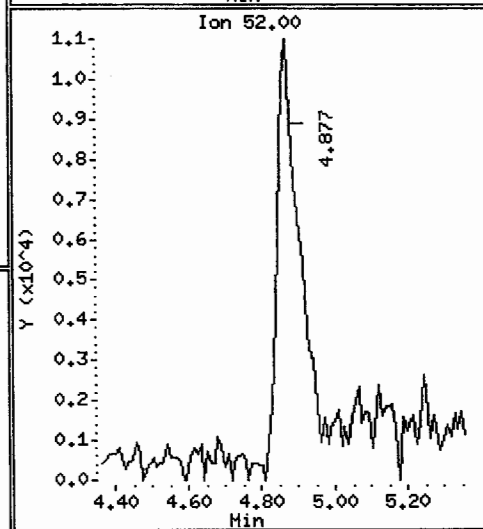
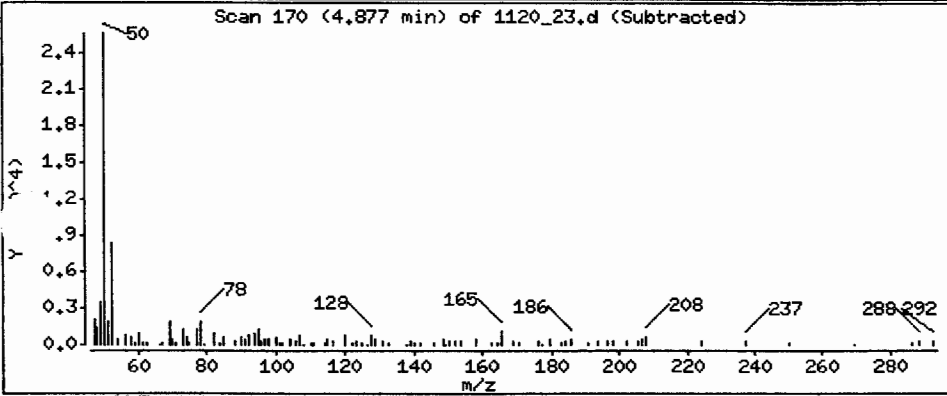
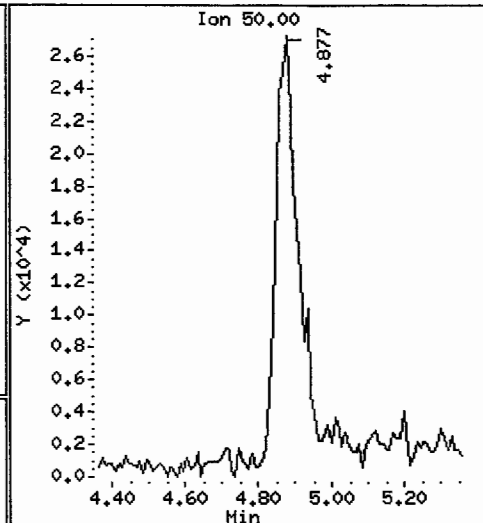
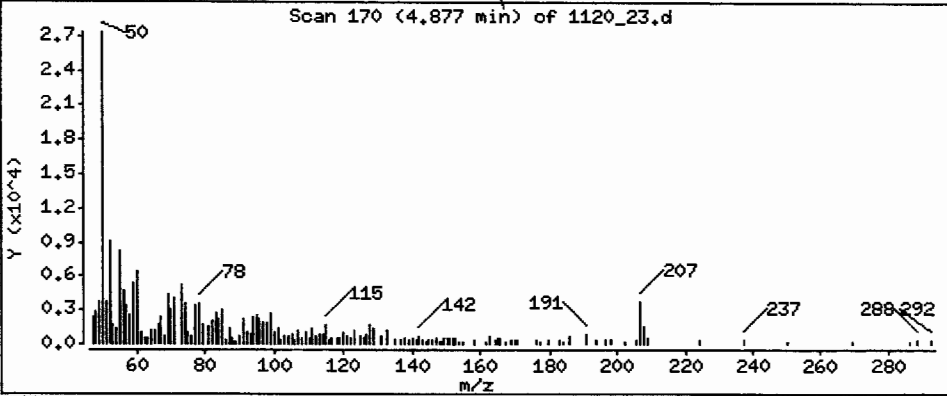
Column phase: DB-624

Column diameter: 0.32

2 Chloromethane (**SPCC**)

Match

Concentration: 0.78372 ug/L



00377

Data File: /var/chem/MSDA,i/1120a,b/1120_23.d

Date : 21-NOV-2000 03:03

Client ID:

Instrument: MSDA,i

Sample Info: A100792-11

Purge Volume: 15.0

Operator: DB

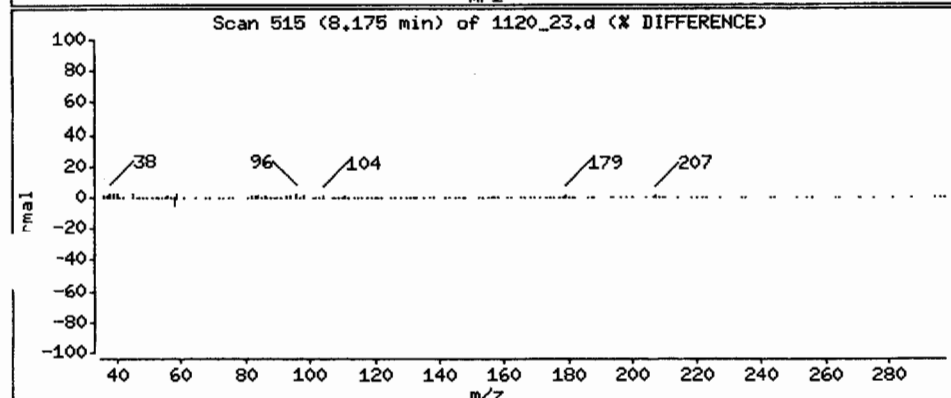
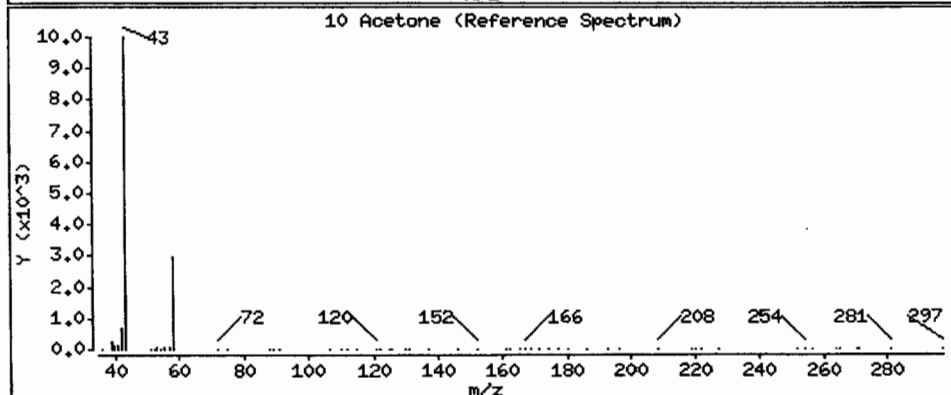
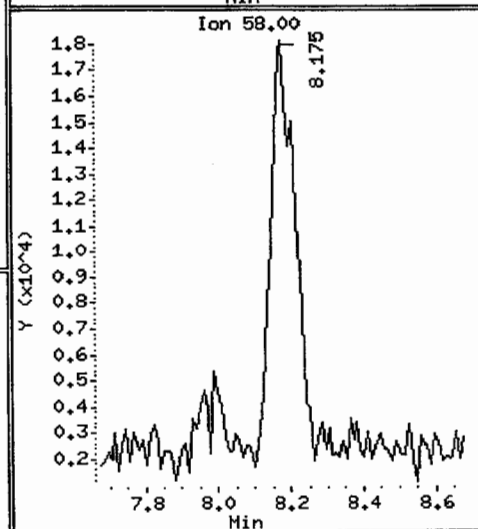
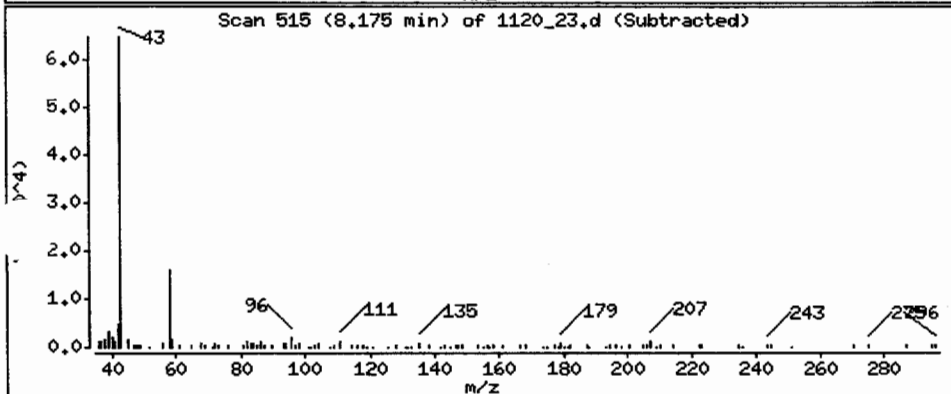
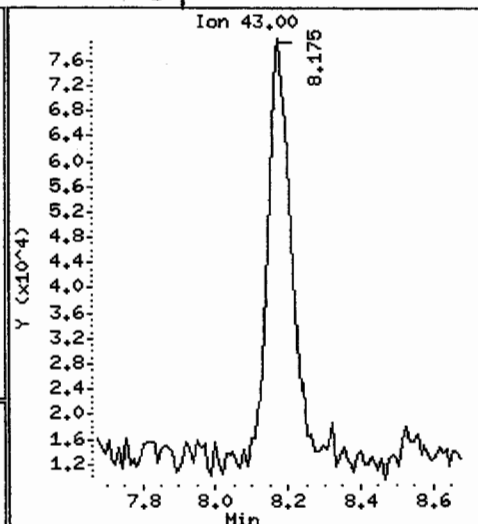
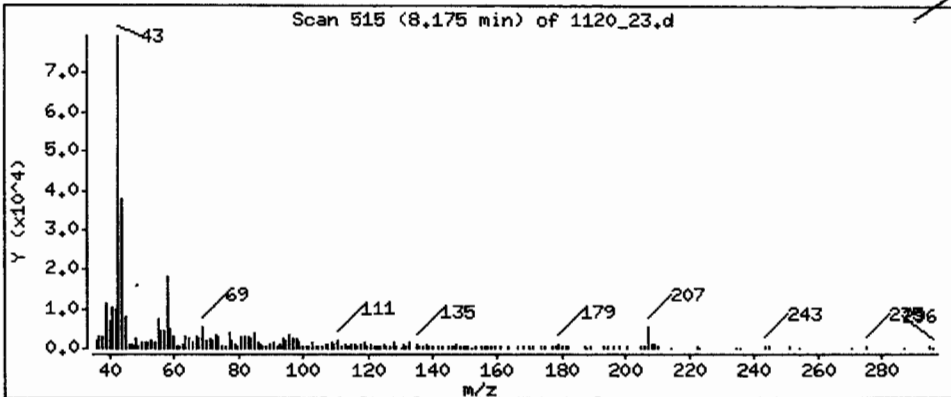
Column phase: DB-624

Column diameter: 0.32

10 Acetone

Concentration: 9.7584 ug/L

CPL



00373

Data File: /var/chem/MSDA.i/1120a,b/1120_23.d

Date : 21-NOV-2000 03:03

Client ID:

Instrument: MSDA.i

Sample Info: A100792-11

Purge Volume: 15.0

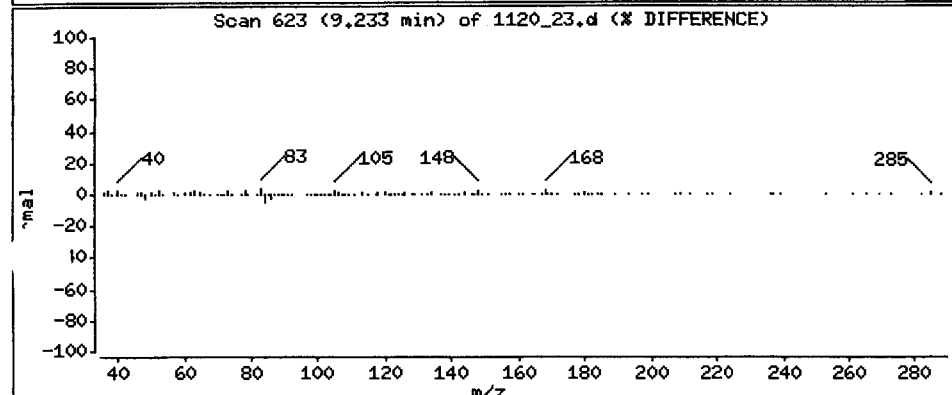
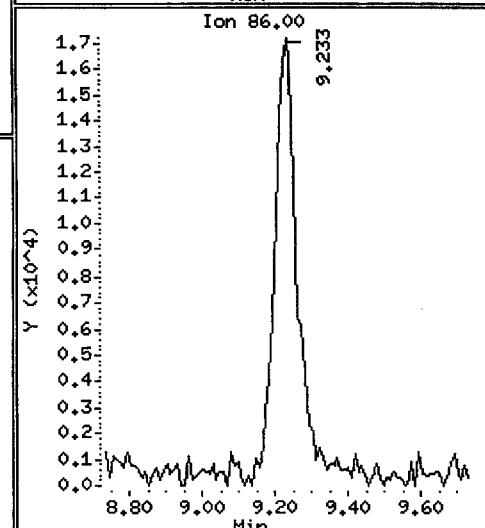
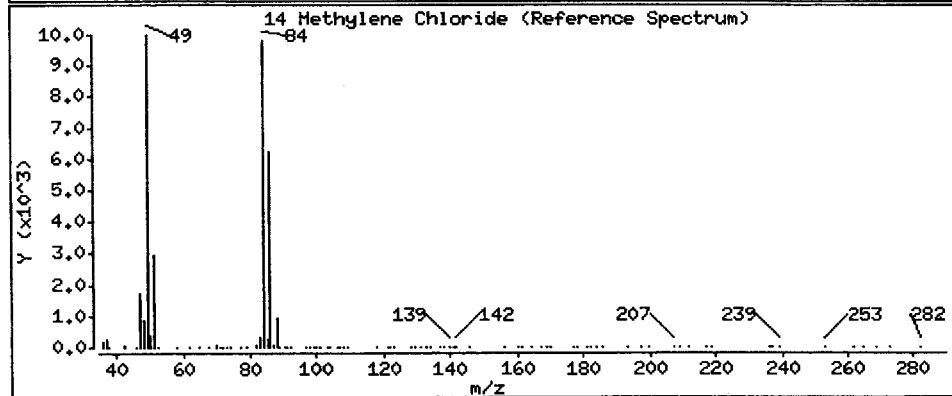
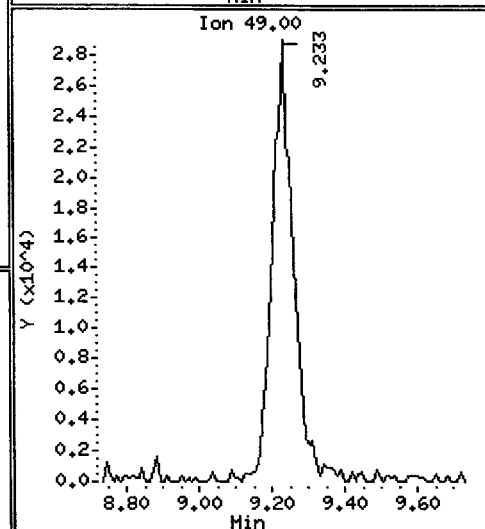
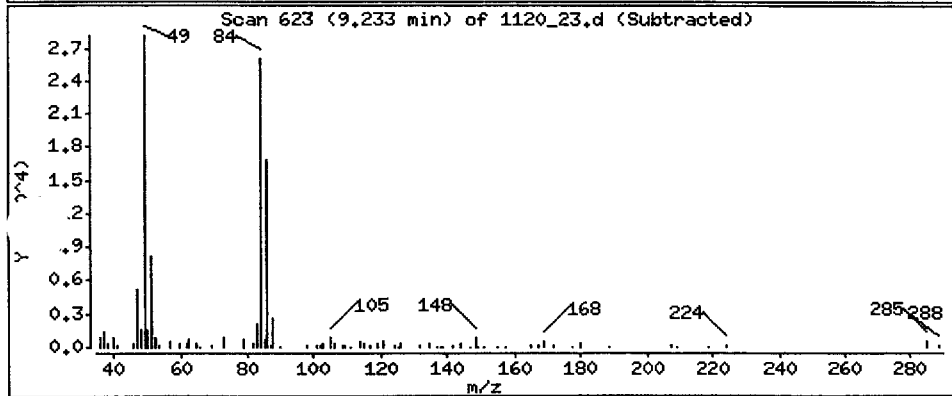
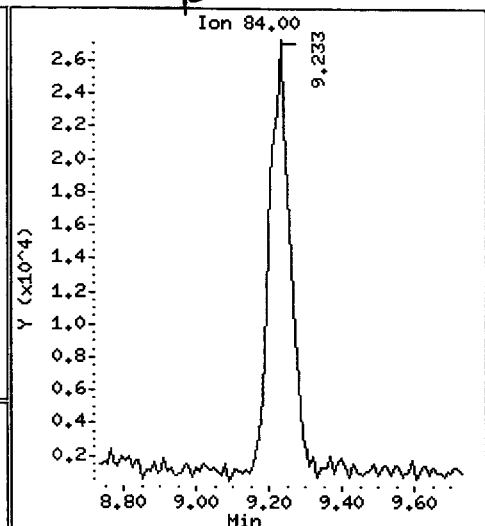
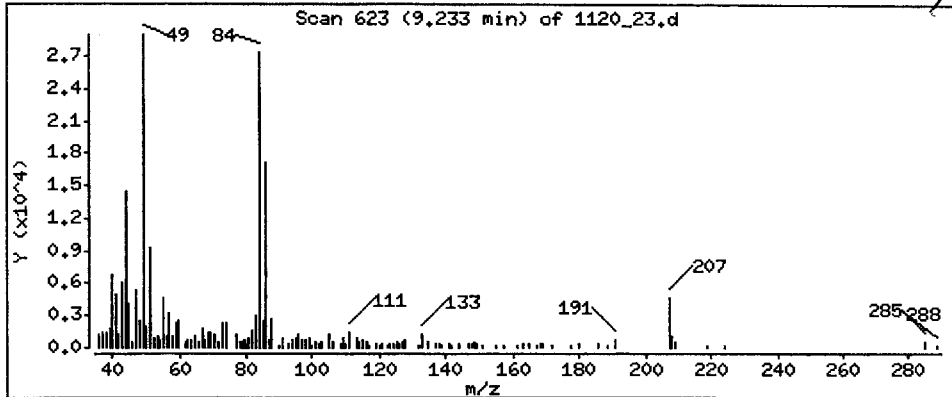
Operator: DB

Column phase: DB-624

Column diameter: 0.32

14 Methylene Chloride

Concentration: 0.55041 ug/L *LPL*



Data File: /var/chem/MSDA.i/1120a.b/1120_24.d
Report Date: 27-Nov-2000 16:19

Caltest Analytical Laboratory

VOLATILE REPORT 8260/624

Data file : /var/chem/MSDA.i/1120a.b/1120_24.d
Lab Smp Id: A100792-12
Inj Date : 21-NOV-2000 03:51
Operator : DB
Smp Info : A100792-12
Misc Info : 0;1;15;;15;;V000168MSA;
Comment : 10 mL Sample Sparge
Method : /var/chem/MSDA.i/1120a.b/8260.m
Meth Date : 27-Nov-2000 16:17 dvb
Cal Date : 13-NOV-2000 22:27
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50

Inst ID: MSDA.i
Quant Type: ISTD
Cal File: 1113_17.d
Compound Sublist: all.sub

Concentration Formula: Amt * DF * Vp/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vp	15.00000	Volume Purged
Vo	15.00000	Sample Volume

d Variable Local Compound Variable

DB
11/26/00

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		SIMILARITY
							ON-COLUMN (ug/L)	FINAL (ug/L)	
\$ 29 Dibromofluoromethane (S)	113	13.703	13.707	(0.877)	4587146	23.6610	23.7	9238	
\$ 33 1,2-Dichloroethane-d4 (S)	65	14.640	14.644	(0.937)	5418411	21.8670	21.9	9530	
* 37 Fluorobenzene (IS)	96	15.616	15.611	(1.000)	15144712	20.0000		9658	
\$ 45 Toluene-d8 (S)	98	20.484	20.483	(1.312)	14841237	23.9620	24.0	9664	
* 56 Chlorobenzene-d5	117	25.490	25.483	(1.000)	11818618	20.0000		9446	
\$ 65 4-Bromofluorobenzene (S)	95	29.345	29.342	(0.905)	6010637	22.5694	22.6	8792	
* 79 1,4 Dichlorobenzene-d4	152	32.434	32.424	(1.000)	5221288	20.0000		8940	

at old time

Data File: /var/chem/MSDA.i/1120a.b/1120_24.d
 Report Date: 27-Nov-2000 16:19

Caltest Analytical Laboratory

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: MSDA.i
 Lab File ID: 1120_24.d
 Lab Smp Id: A100792-12
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: DB
 Method File: /var/chem/MSDA.i/1120a.b/8260.m
 Misc Info: 0;1;15;;15;;V000168MSA;

Calibration Date: 20-NOV-2000
 Calibration Time: 10:24
 Level: LOW
 Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	17105491	8552746	34210982	15144712	-11.46
56 Chlorobenzene-d5	13402105	6701052	26804210	11818618	-11.82
79 1,4 Dichlorobenze	6251890	3125945	12503780	5221288	-16.48

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
37 Fluorobenzene (I	15.59	15.09	16.09	15.62	0.19
56 Chlorobenzene-d5	25.46	24.96	25.96	25.49	0.10
9 1,4 Dichlorobenze	32.42	31.92	32.92	32.43	0.04

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

DB

Data File: /var/chem/MSDA.i/1120a.b/1120_24.d
Report Date: 27-Nov-2000 16:19

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1120a
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: A100792-12
Level: LOW Operator: DB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: voa.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /var/chem/MSDA.i/1120a.b/8260.m
Misc Info: 0;1;15;;15;;V000168MSA;

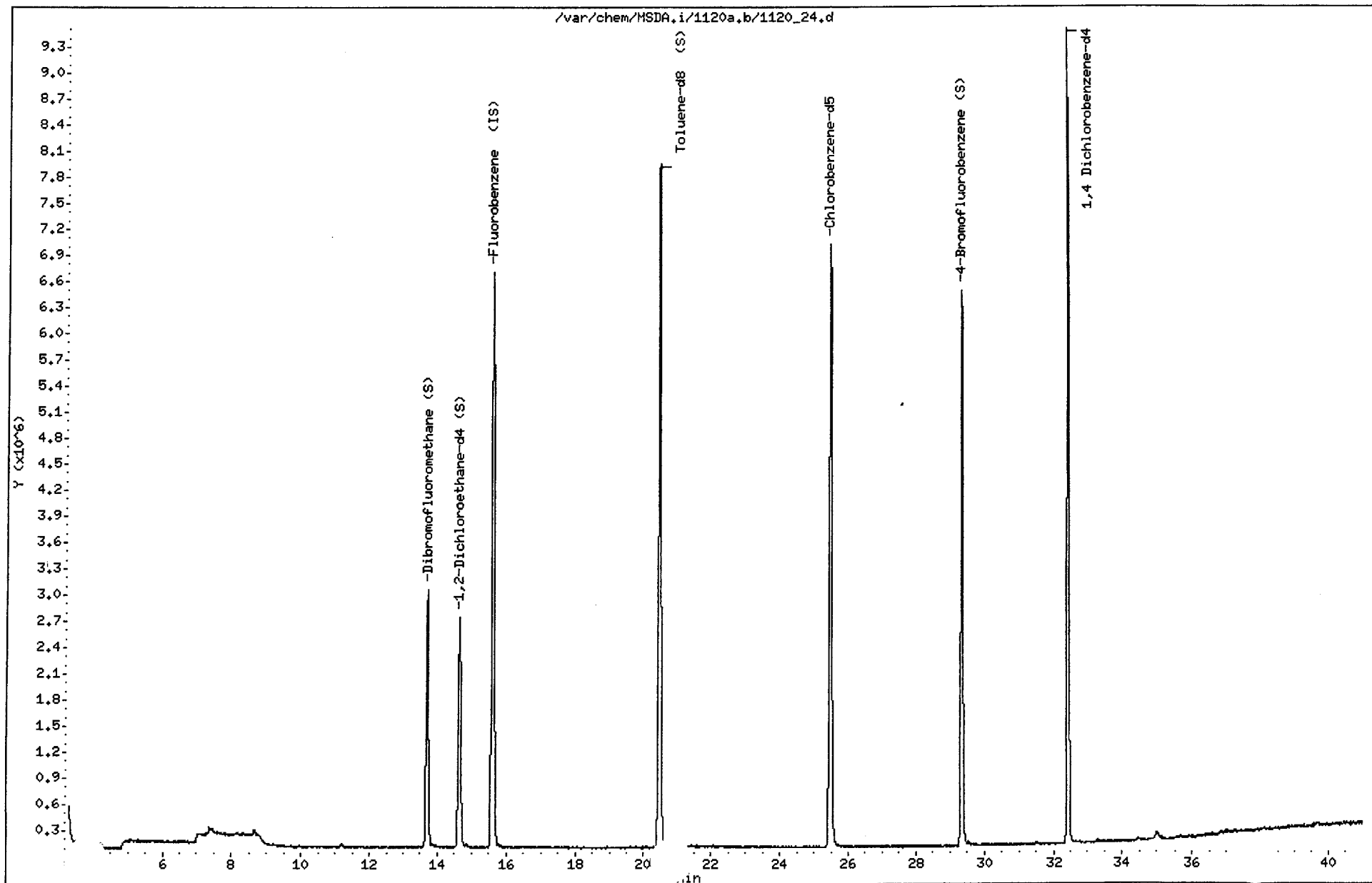
SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 29 Dibromofluorometha	20.0	23.7	118.30	70-130
\$ 33 1,2-Dichloroethane	20.0	21.9	109.33	70-130
\$ 45 Toluene-d8 (S)	20.0	24.0	119.81	70-130
\$ 65 4-Bromofluorobenze	20.0	22.6	112.85	70-130

DB

Data File: /var/chem/HSDA.i/1120a,b/1120_24.d
Date : 21-NOV-2000 03:51
Client ID:
Sample Info: A100792-12
Purge Volume: 15.0
Column phase: DB-624

Instrument: MSDA.i
Operator: DB
Column diameter: 0.32

00388



METALS
SUPPORTING DOCUMENTATION

00331

TJA1486

11/13/00

SD

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICB1	TJA1486	ICAP4H1	11/13/00	10:26	SD	S	CONC
2	ICB1	TJA1486	ICAP4H1	11/13/00	10:41	SD	S	CONC
3	CRDL1	TJA1486	ICAP4H1	11/13/00	10:46	SD	S	CONC
4	CRDL1	TJA1486	ICAP4H1	11/13/00	10:58	SD	S	CONC
5	TJA#1	TJA1486	ICAP4H1	11/13/00	11:04	SD	S	CONC
6	TJA#2	TJA1486	ICAP4H1	11/13/00	11:09	SD	S	CONC
7	TJA#3	TJA1486	ICAP4H1	11/13/00	11:14	SD	S	CONC
8	ICV1	TJA1486	ICAP4H1	11/13/00	11:19	SD	S	CONC
9	ICV2 AL CA MG FE S11	TJA1486	ICAP4H1	11/13/00	11:24	SD	S	CONC
10	ICV3 AG1	TJA1486	ICAP4H1	11/13/00	11:30	SD	S	CONC
11	ICSA1	TJA1486	ICAP4H1	11/13/00	11:35	SD	S	CONC
12	ICSA1	TJA1486	ICAP4H1	11/13/00	11:40	SD	S	CONC
13	CCB1	TJA1486	ICAP4H1	11/13/00	11:46	SD	S	CONC
14	CCB1	TJA1486	ICAP4H1	11/13/00	11:51	SD	S	CONC
15	BLK A000925GCP1	TJA1486	ICAP4H1	11/13/00	11:56	SD	S	CONC
16	A110084-1	TJA1486	ICAP4H1	11/13/00	12:01	SD	S	CONC
17	A110086-1	TJA1486	ICAP4H1	11/13/00	12:06	SD	S	CONC
18	CCB1	TJA1486	ICAP4H1	11/13/00	12:12	SD	S	CONC
19	BLK A0009321GCP1	TJA1486	ICAP4H1	11/13/00	12:17	SD	S	CONC
20	A100667-1 X2	TJA1486	ICAP4H1	11/13/00	12:22	SD	S	CONC
21	A100667-2 X2	TJA1486	ICAP4H1	11/13/00	12:27	SD	S	CONC
22	A100683-2	TJA1486	ICAP4H1	11/13/00	12:33	SD	S	CONC
23	A100686-1	TJA1486	ICAP4H1	11/13/00	12:38	SD	S	CONC
24	A100690-1	TJA1486	ICAP4H1	11/13/00	12:43	SD	S	CONC
25	CCB1	TJA1486	ICAP4H1	11/13/00	12:48	SD	S	CONC
26	CCV4	TJA1486	ICAP4H1	11/13/00	12:54	SD	S	CONC
27	CCV5	TJA1486	ICAP4H1	11/13/00	12:59	SD	S	CONC
28	CCB1	TJA1486	ICAP4H1	11/13/00	13:04	SD	S	CONC
29	A100692-1	TJA1486	ICAP4H1	11/13/00	13:12	SD	S	CONC
30	A100791-6	TJA1486	ICAP4H1	11/13/00	13:20	SD	S	CONC
31	A100791-7	TJA1486	ICAP4H1	11/13/00	13:25	SD	S	CONC
32	CCB1	TJA1486	ICAP4H1	11/13/00	13:31	SD	S	CONC
33	BLK A000934UND1	TJA1486	ICAP4H1	11/13/00	13:36	SD	S	CONC
34	A100634-1	TJA1486	ICAP4H1	11/13/00	13:41	SD	S	CONC
35	A100693-1 X2	TJA1486	ICAP4H1	11/13/00	13:46	SD	S	CONC
36	A100693-1	TJA1486	ICAP4H1	11/13/00	13:52	SD	S	CONC
37	A110019-1	TJA1486	ICAP4H1	11/13/00	13:57	SD	S	CONC
38	A100790-1	TJA1486	ICAP4H1	11/13/00	14:02	SD	S	CONC
39	CCB1	TJA1486	ICAP4H1	11/13/00	14:07	SD	S	CONC
40	CCV6	TJA1486	ICAP4H1	11/13/00	14:13	SD	S	CONC
41	CCV7	TJA1486	ICAP4H1	11/13/00	14:18	SD	S	CONC
42	CCB1 -13	TJA1486	ICAP4H1	11/13/00	14:23	SD	S	CONC
43	A100792-2-S0 931GCP1	TJA1486	ICAP4H1	11/13/00	14:28	SD	S	CONC
44	A100792-2-L1 200.2	TJA1486	ICAP4H1	11/13/00	14:34	SD	S	CONC
45	A100792-2-L2 1	TJA1486	ICAP4H1	11/13/00	14:39	SD	S	CONC
46	A100792-2	TJA1486	ICAP4H1	11/13/00	14:44	SD	S	CONC
47	A100792-2-S1 1	TJA1486	ICAP4H1	11/13/00	14:49	SD	S	CONC
48	A100792-2-S2 1	TJA1486	ICAP4H1	11/13/00	14:55	SD	S	CONC
49	A100792-1	TJA1486	ICAP4H1	11/13/00	15:00	SD	S	CONC
50	A100792-3	TJA1486	ICAP4H1	11/13/00	15:05	SD	S	CONC
51	A100792-4	TJA1486	ICAP4H1	11/13/00	15:10	SD	S	CONC
52	A100792-5	TJA1486	ICAP4H1	11/13/00	15:16	SD	S	CONC
53	CCB1	TJA1486	ICAP4H1	11/13/00	15:21	SD	S	CONC

Entered By: SP11/14/00
 Approved By: me 11/14/00

Entered By: SP11/15/00
 Approved By: cyw 11/15/00

(931 GCP)

Entered By: SP 11/16/00 (929GCP)
 Approved By: _____

Sample Name	File	Method	Date	Time	Op/D	Type	Mode
54 CCV8	TJA1486	ICAP4H	11/13/00	15:26	SD	S	CONC
55 CCV9	TJA1486	ICAP4H	11/13/00	15:31	SD	S	CONC
56 CCB1	TJA1486	ICAP4H	11/13/00	15:37	SD	S	CONC
57 A100792-6	TJA1486	ICAP4H	11/13/00	15:42	SD	S	CONC
58 A100792-7	TJA1486	ICAP4H	11/13/00	15:47	SD	S	CONC
59 A100792-8	TJA1486	ICAP4H	11/13/00	15:52	SD	S	CONC
60 A100792-8-S1	TJA1486	ICAP4H	11/13/00	15:58	SD	S	CONC
61 A100792-8-S2	TJA1486	ICAP4H	11/13/00	16:03	SD	S	CONC
62 A100792-9	TJA1486	ICAP4H	11/13/00	16:08	SD	S	CONC
63 A100792-10	TJA1486	ICAP4H	11/13/00	16:13	SD	S	CONC
64 A100792-2 X4	TJA1486	ICAP4H	11/13/00	16:19	SD	S	CONC
65 A110140-1	TJA1486	ICAP4H	11/13/00	16:24	SD	S	CONC
66 A100140-2	TJA1486	ICAP4H	11/13/00	16:29	SD	S	CONC
67 CCB1	TJA1486	ICAP4H	11/13/00	16:34	SD	S	CONC
68 CCV10	TJA1486	ICAP4H	11/13/00	16:39	SD	S	CONC
69 CCV11	TJA1486	ICAP4H	11/13/00	16:45	SD	S	CONC
70 CCB1	TJA1486	ICAP4H	11/13/00	16:50	SD	S	CONC
71 A110104-1-S0 929GCP1	TJA1486	ICAP4H	11/13/00	16:55	SD	S	CONC
72 A110104-1-L1 200.2	TJA1486	ICAP4H	11/13/00	17:00	SD	S	CONC
73 A110104-1-L2	TJA1486	ICAP4H	11/13/00	17:06	SD	S	CONC
74 A110104-1	TJA1486	ICAP4H	11/13/00	17:11	SD	S	CONC
75 A110104-1-S1	TJA1486	ICAP4H	11/13/00	17:16	SD	S	CONC
76 A110104-1-S2	TJA1486	ICAP4H	11/13/00	17:21	SD	S	CONC
A110036-1	TJA1486	ICAP4H	11/13/00	17:27	SD	S	CONC
A110036-2	TJA1486	ICAP4H	11/13/00	17:32	SD	S	CONC
79 A110036-3	TJA1486	ICAP4H	11/13/00	17:37	SD	S	CONC
80 A110036-4	TJA1486	ICAP4H	11/13/00	17:42	SD	S	CONC
81 CCB1	TJA1486	ICAP4H	11/13/00	17:48	SD	S	CONC
82 CCV12	TJA1486	ICAP4H	11/13/00	17:53	SD	S	CONC
83 CCV13	TJA1486	ICAP4H	11/13/00	17:58	SD	S	CONC
84 CCB1	TJA1486	ICAP4H	11/13/00	18:03	SD	S	CONC
85 A110076-1	TJA1486	ICAP4H	11/13/00	18:09	SD	S	CONC
86 A110082-1	TJA1486	ICAP4H	11/13/00	18:14	SD	S	CONC
87 A110100-1	TJA1486	ICAP4H	11/13/00	18:19	SD	S	CONC
88 A110101-1	TJA1486	ICAP4H	11/13/00	18:24	SD	S	CONC
89 A110104-2	TJA1486	ICAP4H	11/13/00	18:30	SD	S	CONC
90 A110104-3	TJA1486	ICAP4H	11/13/00	18:35	SD	S	CONC
91 A110104-4	TJA1486	ICAP4H	11/13/00	18:40	SD	S	CONC
92 A110105-1	TJA1486	ICAP4H	11/13/00	18:45	SD	S	CONC
93 A110109-1	TJA1486	ICAP4H	11/13/00	18:51	SD	S	CONC
94 A110109-2	TJA1486	ICAP4H	11/13/00	18:56	SD	S	CONC
95 CCB1	TJA1486	ICAP4H	11/13/00	19:01	SD	S	CONC
96 CCV14	TJA1486	ICAP4H	11/13/00	19:06	SD	S	CONC
97 CCV15	TJA1486	ICAP4H	11/13/00	19:12	SD	S	CONC
98 CCB1	TJA1486	ICAP4H	11/13/00	19:17	SD	S	CONC
99 A110109-3	TJA1486	ICAP4H	11/13/00	19:22	SD	S	CONC
100 A110109-4	TJA1486	ICAP4H	11/13/00	19:27	SD	S	CONC
101 A110153-1	TJA1486	ICAP4H	11/13/00	19:33	SD	S	CONC
A110036-FR1	TJA1486	ICAP4H	11/13/00	19:38	SD	S	CONC
CCB1	TJA1486	ICAP4H	11/13/00	19:43	SD	S	CONC
104 CCV16	TJA1486	ICAP4H	11/13/00	19:48	SD	S	CONC
105 CCV17	TJA1486	ICAP4H	11/13/00	19:54	SD	S	CONC
106 ICSA1	TJA1486	ICAP4H	11/13/00	19:59	SD	S	CONC
107 ICSA1	TJA1486	ICAP4H	11/13/00	20:04	SD	S	CONC

Sample Name	Ca3179	Co2265	Co2286
1 ICB1	0.00950	-0.00010	-0.00010
2 ICB1	-0.00282	-0.00016	0.00007
3 CRDL1	0.19721	0.00091	0.00182
4 CRDL1	0.19670	0.00080	0.00183
5 IJA#1	0.00720	4.95123	4.97955
6 IJA#2	98.44599	0.00686	0.00893
7 IJA#3	0.17548	0.00042	0.00064
8 IGV1	2.51178	2.52182	2.51917
9 IGV2 AL CA MG FE S11	47.74531	0.00341	0.00917
10 IGV3 AG1	0.08566	0.00019	0.00022
11 ICSA1	438.23858	-0.00108	0.00002
12 ICSA1	436.16253	0.04595	0.04740
13 CCB1	40.95100	0.00001	-0.00002
14 CCB1	0.06007	-0.00016	-0.00027
15 BLK A000925GCP1	0.03768	-0.00007	0.00008
16 A110084-1	28.79187	0.00014	0.00042
17 A110086-1	27.03426	-0.00017	0.00046
18 CCB1	0.05485	-0.00009	0.00008
19 BLK A0009321CP1	0.02709	-0.00013	-0.00013
20 A100667-1 X2	2.91448	0.00461	0.00199
21 A100667-2 X2	4.46163	0.00271	0.00309
22 A100683-2	19.38051	0.00016	0.00037
A100686-1	25.73612	-0.00005	-0.00002
A100690-1	9.52574	0.00001	0.00158
25 CCB1	0.01777	-0.00009	-0.00020
26 GCV4	0.00140	2.49192	2.48442
27 GCV5	50.04584	0.00302	0.00428
28 CCB1	0.08896	0.00001	0.00000
29 A100692-1	59.24083	-0.00171	0.03256
30 A100791-6	38.46799	-0.00006	0.00018
31 A100791-7	42.12985	-0.00019	0.00426
32 CCB1	0.08738	-0.00019	-0.00011
33 BLK A0009340ND1	0.00081	-0.00012	0.00007
34 A100634-1	18.04221	-0.00025	0.00022
35 A100693-1 X2	7.54926	-0.00031	0.00051
36 A100693-1	7.15677	-0.00027	0.00018
37 A110019-1	0.06522	-0.00021	-0.00016
38 A100790-1	1.59717	-0.00047	-0.00020
39 CCB1	-0.00208	-0.00008	0.00047
40 GCV6	-0.00419	2.58474	2.54181
41 GCV7	51.86358	0.00392	0.00516
42 CCB1	0.10303	0.00007	0.00031
43 A100792-2-S0 931GCP1	0.02287 ✓	-0.00029	-0.00026
44 A100792-2-L1 200.2	19.25566	0.01001	0.09974
45 A100792-2-R2 1	19.14253	0.00977	0.09881
46 A100792-2	36.10357	-0.00038	0.00143
47 A100792-2-S1 1	56.98793	0.01025	0.10591
48 A100792-2-S2 1	55.97390	0.00991	0.10327
A100792-1	40.02375	-0.00021	0.00753
A100792-3	24.34562	-0.00031	0.00252
51 A100792-4	49.34967	-0.00029	0.06165
52 A100792-5	21.87540	-0.00039	-0.00014
53 CCB1	0.05104	-0.00016	-0.00004

Sample Name	CA3179	CO2265	CO2286
54 CCV8	-0.00088	2.60745	2.54329
55 CCV9	52.29031	0.00365	0.00529
56 CCB1	0.10286	0.00011	0.00017
57 A100792-6	22.19639	-0.00006	0.00081
58 A100792-7	50.01161	-0.00025	0.00037
59 A100792-8	15.41031	-0.00050	0.00306
60 A100792-8-S1	34.49059	0.00980	0.10252
61 A100792-8-S2	34.73724	0.00986	0.10332
62 A100792-9	29.49358	-0.00030	0.00200
63 A100792-10	16.70508	-0.00052	0.00642
64 A100792-2 x4	38.26236	-0.00104	0.00196
65 A110140-1	36.95413	0.00016	0.00132
66 A100140-2	32.50206	-0.00020	0.00024
67 CCB1	0.07481	-0.00007	0.00017
68 CCV10	-0.00032	2.60245	2.54923
69 CCV11	52.27401	0.00391	0.00527
70 CCB1	0.10141	0.00024	0.00019
71 A110104-1-S0 929GCP1	0.03188	-0.00013 ✓	0.00000 ✓
72 A110104-1-L1 200.2	19.53025	0.01024	0.10077
73 A110104-1-L2	19.70217	0.01018	0.10123
74 A110104-1	5.19831	0.00014	-0.00011
75 A110104-1-S1	24.79439	0.01064	0.10120
76 A110104-1-S2	24.23997	0.01026	0.09855
A110036-1	H640.04589	-0.00014	0.00231
A110036-2	H623.68945	-0.00025	0.00216
79 A110036-3	H582.70812	-0.00022	0.00241
80 A110036-4	H527.68322	0.00005	0.00265
81 CCB1	H1.36860	-0.00021	0.00007
82 CCV12	0.06266	2.60259	2.54539
83 CCV13	52.28277	0.00361	0.00505
84 CCB1	0.10369	0.00019	0.00040
85 A110076-1	6.39903	-0.00333	0.05444
86 A110082-1	6.05561	-0.00371	0.07345
87 A110100-1	46.18692	-0.00026	0.00023
88 A110101-1	8.67012	-0.00003	0.00037
89 A110104-2	25.77642	-0.00020	-0.00148
90 A110104-3	86.26387	0.00388 - return	0.00267
91 A110104-4	25.87252	0.00007	0.00041
92 A110105-1	11.03583	0.00011	0.00036
93 A110109-1	24.97576	0.00013	0.00145
94 A110109-2	45.39897	0.00056	0.00024
95 CCB1	0.11912	-0.00027	-0.00024
96 CCV14	0.00184	H2.66208 - high NO	2.59289
97 CCV15	H53.45067	0.00481 cc to report	0.00624
98 CCB1	0.12520	-0.00003	-0.00008
99 A110109-3	23.87491	0.00063	0.00088
100 A110109-4	71.53117	-0.00005	0.00118
101 A110153-1	15.92726	0.00657	0.00082
102 A110036-FB1	0.11435	-0.00011	0.00003
CCB1	-0.00283	-0.00024	-0.00005
104 CCV16	-0.00434	H2.68215	2.59648
105 CCV17	H53.73117	0.00463	0.00628
106 LCSA1	475.34655	-0.00272	0.00028
107 LCSAB1	473.88995	0.04769	0.04977

Too high return
100
102 del

00388

#	Sample Name	Cr2677	CU3247	Fe2714
1	ICB1	L-0.00500	0.00006	-0.01600
2	ICB1	0.00005	0.00075	-0.00175
3	CRDL1	0.00526	0.00546	0.04441
4	CRDL1	0.00512	0.00544	0.04969
5	IJA#1	4.96154	4.96276	0.40574
6	IJA#2	0.01003	0.00974	98.82097
7	IJA#3	0.00126	0.00073	0.19968
8	ICV1	2.57742	2.52372	2.73329
9	ICV2 AL CA MG FF S11	0.00911	0.00471	48.65530
10	ICV3 AG1	0.00098	0.00079	0.10295
11	IGSA1	0.00246	-0.00222	187.19512
12	IGSA#1	0.05220	0.05131	186.34217
13	CCB1	0.00325	0.00033	H0.40713
14	CCB1	H0.00522	0.00034	0.03337
15	BLK A000925GCP1	-0.00028	0.00130	0.00329
16	A110084-1	0.00326	0.04151	0.32453
17	A110086-1	0.00063	0.00551	0.14127
18	CCB1	-0.00034	0.00073	0.00222
19	BLK A0009321GCP1	-0.00031	0.00044	-0.00539
20	A100667-1 X2	0.00379	0.01808	2.23507
21	A100667-2 X2	0.00416	0.02092	2.43534
22	A100683-2	0.00454	0.04443	0.29259
23	A100686-1	0.00057	0.01673	0.21647
24	A100690-1	0.00433	0.01920	1.80739
25	CCB1	H0.00533	-0.00007	0.01441
26	CCV4	2.48279	2.47218	0.20767
27	CCV5	0.00508	0.00421	50.13980
28	CCB1	H0.00522	-0.00031	H0.11206
29	A100692-1	0.11572	0.09529	85.69084
30	A100791-6	0.02041	0.09104	0.24898
31	A100791-7	0.00526	0.01207	1.09926
32	CCB1	0.00032	-0.00064	0.00561
33	BLK A000934UND1	-0.00000	-0.00045	-0.00068
34	A100634-1	0.00003	0.00023	-0.02403
35	A100693-1 X2	0.00202	-0.00004	0.65582
36	A100693-1	0.00191	0.00027	0.62869
37	A110019-1	0.00040	0.00566	0.01241
38	A100790-1	0.00025	-0.00044	0.02277
39	CCB1	H0.00549	-0.00027	0.01557
40	CCV6	2.53334	2.43984	0.20515
41	CCV7	0.00554	0.00525	51.59109
42	CCB1	H0.00556	0.00041	H0.12866
43	A100792-2-S0 931GCP1	-0.00025	-0.00024 ✓	-0.00155 ✓
44	A100792-2-11 200.2	0.04060	0.03980	0.96583
45	A100792-2-12 1	0.04034	0.03890	0.94276
46	A100792-2	0.00848	0.00806	2.34919
47	A100792-2-S1 1	0.05069	0.05001	3.50677
48	A100792-2-S2 1	0.04940	0.04917	3.41004
49	A100792-1	0.04997	0.02792	15.22639
50	A100792-3	0.00529	0.00551	1.76472
51	A100792-4	0.19410	0.14889	86.04916
52	A100792-5	0.00238	0.00245	0.40848
53	CCB1	H0.00560	-0.00048	0.03858

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#	Sample Name	Cr26/11	CU32/1	Fe2/14
54	CCV8	2.53837	2.43857	0.21484
55	CCV9	0.00599	0.00445	51.62312
56	CCB1	H0.00592	-0.00022	H0.13676
57	A100/92-6	0.00247	0.00385	0.34843
58	A100/92-7	0.00110	0.00084	0.27035
59	A100/92-8	0.01271	0.00970	3.50428
60	A100/92-8-S1	0.05397	0.04927	4.77885
61	A100/92-8-S2	0.05503	0.04917	4.81610
62	A100/92-9	0.00852	0.00663	1.79410
63	A100/92-10	0.02111	0.01968	9.00773
64	A100/92-2 x4	0.00949	0.00572	2.59226
65	A110140-1	0.00592	0.06012	1.98193
66	A100140-2	0.00077	0.00812	0.12968
67	CCB1	H0.00559	-0.00008	0.01921
68	CCV10	2.54358	2.44619	0.20781
69	CCV11	0.00616	0.00504	51.64286
70	CCB1	H0.00559	-0.00043	H0.12944
71	A110104-1-S0 9296CPT	-0.00000	0.00020	0.00681
72	A110104-1-11 200.2	0.04130	0.03914	0.96537
73	A110104-1-12	0.04151	0.03964	0.97093
74	A110104-1	0.00152	0.01367	0.11289
75	A110104-1-S1	0.04220	0.05308	1.07840
76	A110104-1-S2	0.04140	0.05111	1.05228
77	A110036-1	0.00170	0.04880	8.18347
78	A110036-2	-0.00122	0.00032	4.46863
79	A110036-3	-0.00107	0.00071	4.50891
80	A110036-4	0.00733	0.68231	8.35049
81	CCB1	0.00497	0.00056	0.04490
82	CCV12	2.53969	2.43593	0.20769
83	CCV13	0.00522	0.00434	51.78187
84	CCB1	H0.00560	-0.00001	H0.12954
85	A110076-1	H6.94889	0.16045	H147.36045
86	A110082-1	H10.01879	-0.19281	H151.71548
87	A110100-1	0.03262	0.01199	0.74688
88	A110101-1	0.00300	0.05201	0.17600
89	A110104-2	0.00124	0.09859	0.36586
90	A110104-3	0.00552	0.19872	3.43849
91	A110104-4	0.00045	0.09433	0.52422
92	A110105-1	0.00030	0.10168	1.40457
93	A110109-1	0.00661	0.05612	1.69088
94	A110109-2	0.00270	0.05239	0.96057
95	CCB1	H0.00511	0.00005	0.01648
96	CCV14	2.58532	2.41002	0.22502
97	CCV15	0.00714	0.00581	52.36701
98	CCB1	H0.00564	-0.00043	H0.15113
99	A110109-3	0.00239	0.03859	0.97785
100	A110109-4	0.00178	0.04333	3.47405
101	A110153-1	0.00175	0.00995	0.48601
102	A110036-FB1	0.00056	0.00149	0.01709
103	CCB1	0.00496	-0.00063	0.01305
104	CCV16	2.59297	2.41802	0.20692
105	CCV17	0.00740	0.00521	52.45864
106	ICSA1	0.00287	-0.00302	194.85510
107	ICSAH1	0.05446	0.04796	193.45783

@NOTE: H1

Rem Cr
CCB5 H1

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Sample Name	Mg2790	Mn2576	Mn2020
1 ICB1	-0.00276	-0.00036	0.00280
2 ICB1	-0.00202	-0.00046	0.00012
3 CRDL1	0.29237	0.00490	0.00425
4 CRDL1	0.29299	0.00495	0.00377
5 IJA#1	-0.00933	4.89529	5.04930
6 IJA#2	101.08547	0.01200	0.04938
7 IJA#3	0.17685	0.00026	0.01073
8 IGV1	2.42697	2.52028	2.54410
9 IGV2 AL CA MG FE SLT	48.68602	0.09072	0.03172
10 IGV3 AG1	0.08927	0.00004	0.00778
11 ICSA1	512.92156	0.00895	0.00403
12 ICSAR1	510.84423	0.05767	0.04988
13 CCB1	H0.91874	-0.00014	0.00343
14 CCB1	0.05996	-0.00021	0.00171
15 BLK A000925GCP1	0.02003	-0.00035	0.00008
16 A110084-1	20.61728	0.02729	0.00359
17 A110086-1	20.32534	0.02141	0.00300
18 CCB1	0.04085	-0.00038	0.00044
19 BLK A0009321GCP1	0.00753	-0.00040	-0.00003
20 A100667-1 X2	0.87319	0.06516	0.00032
21 A100667-2 X2	1.19797	0.10949	-0.00015
22 A100683-2	11.56102	0.01744	0.00009
23 A100686-1	14.80645	0.00561	0.00043
24 A100690-1	2.50890	0.09087	0.00036
25 CCB1	0.00450	-0.00004	0.00023
26 CCV4	-0.00307	2.47791	2.48709
27 CCV5	50.19564	0.00564	0.03229
28 CCB1	0.08596	0.00010	H0.00762
29 A100692-1	21.70568	1.19060	0.00201
30 A100791-6	69.11383	0.02850	0.00576
31 A100791-7	89.47248	0.58260	0.00305
32 CCB1	0.18382	0.00070	0.00157
33 BLK A0009341IND1	0.01245	-0.00040	-0.00004
34 A100634-1	13.09336	0.07882	0.00115
35 A100693-1 X2	5.01985	0.01164	-0.00254
36 A100693-1	4.73316	0.01162	-0.00086
37 A110019-1	0.03955	0.00011	-0.00052
38 A100790-1	0.53327	0.03911	0.00055
39 CCB1	-0.00010	-0.00005	0.00055
40 CCV6	-0.00873	2.50971	2.52059
41 CCV7	H52.98015	-186% ^{OK} _{WRSC} 0.00641	0.03490
42 CCB1	0.10579	0.00018	H0.00857
43 A100792-2-S0 931GCP1	0.00713	-0.00041	0.00277
44 A100792-2-L1 200.2	19.86912	0.04028	0.08104
45 A100792-2-L2 1	19.70489	0.04008	0.08772
46 A100792-2	12.91346	0.03291	0.00911
47 A100792-2-S1 1	34.05360	0.07662	0.08986
48 A100792-2-S2 1	33.39036	0.07482	0.09144
49 A100792-1	22.13474	0.08301	0.00881
50 A100792-3	12.85733	0.03307	0.00391
51 A100792-4	41.02633	0.61098	0.00344
52 A100792-5	11.55447	0.00441	0.00384
53 CCB1	0.03314	-0.00004	0.00148

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#	Sample Name	Mg2790	Mn2576	Mo2020
54	CCV8	-0.00347		2.50872
55	CCV9	H53.24520-100% OK	0.00643	2.51911
56	CCB1	0.10841	0.00021	0.03317
57	A100792-6	11.81399	0.00459	H0.00796
58	A100792-7	21.70998	0.00405	0.00490
59	A100792-8	8.84474	0.03255	0.00270
60	A100792-8-S1	28.74659	0.07473	0.00287
61	A100792-8-S2	28.94883	0.07521	0.08198
62	A100792-9	12.61267	0.03869	0.08905
63	A100792-10	9.30561	0.04302	0.01171
64	A100792-2 x4	13.62146	0.03314	0.00519
65	A110140-1	27.47361	0.18646	0.01356
66	A100140-2	27.22348	0.13141	0.01422
67	CCB1	0.06453	0.00021	0.01385
68	CCV10	-0.00184	2.51329	0.00253
69	CCV11	H53.31953-107% OK	0.00657	2.52831
70	CCB1	0.10496	0.00010	0.03402
71	A110104-1-S0 929GCP1	0.01433	-0.00032	H0.00783
72	A110104-1-L1 200.2	20.11494	0.04066	0.00273 ✓
73	A110104-1-L2	20.27308	0.04112	0.08176
74	A110104-1	1.27436	0.00231	0.08986
75	A110104-1-S1	21.47965	0.04369	0.00932
76	A110104-1-S2	20.95219	0.04266	0.08866
77	A110036-1	H1307.77197	H5.91902	0.08993
78	A110036-2	H1276.64624	H5.75870	0.01431
79	A110036-3	H1159.09448	H5.32515	0.00880
80	A110036-4	H1120.60388	4.58532	0.00635
81	CCB1	H2.21087	H0.01076	0.00690
82	CCV12	0.10782	2.49945	0.00180
83	CCV13	H53.14346	0.00621	2.52101
84	CCB1	0.11245	0.00020	0.03396
85	A110076-1	5.68507	H5.00822	H0.00777
86	A110082-1	5.35489	H5.01465	0.12104 } return no
87	A110100-1	84.94169	0.16114	0.17760
88	A110101-1	2.80550	0.00911	0.01485
89	A110104-2	1.87788	0.02060	0.00596
90	A110104-3	19.16940	0.69431	1.21004
91	A110104-4	2.18566	0.01415	0.23805
92	A110105-1	2.98419	0.03943	0.03337
93	A110109-1	14.62771	0.12635	0.00938
94	A110109-2	40.09608	0.17125	0.01026
95	CCB1	0.10420	0.00023	0.03244
96	CCV14	-0.00011	2.53417	H0.00574
97	CCV15	H55.33530	0.00736	2.57767
98	CCB1	0.12685	0.00012	0.03236
99	A110109-3	10.96548	0.09637	H0.00738
100	A110109-4	60.22108	0.71951	0.00498
101	A110153-1	3.11314	0.06875	0.01221
102	A110036-FB1	0.03327	0.00031	0.00579
103	CCB1	-0.00233	-0.00016	0.00156
104	CCV16	-0.00948	2.54156	0.00136
105	CCV17	H55.42503	0.00736	2.57785
106	ICSA1	560.11486	0.00947	0.03509
107	ICSA81	555.63720	0.05942	0.00705
				0.05267

Sample Name	V_2924	Zn2062	220371
1 CCB1	0.00041	0.00475	0.00263
2 CCB1	-0.00025	0.00038	0.00101
3 CRDL1	0.00195	0.01705	0.00714
4 CRDL1	0.00180	0.01705	0.00518
5 IJA#1	4.97215	4.99778	4.98127
6 IJA#2	0.01179	0.00880	0.06107
7 IJA#3	0.00050	0.00081	0.00265
8 IGV1	2.53097	2.52305	2.53819
9 IGV2 AL CA MG FF S11	0.00664	0.00989	0.03786
10 IGV3 AG1	0.00016	0.00051	0.00283
11 ICSA1	0.00199	0.00572	0.27782
12 ICSA1	0.05148	0.05214	0.32923
13 CCB1	-0.00026	0.00199	0.00149
14 CCB1	-0.00014	-0.00039	0.00405
15 BLK A000925GCP1	-0.00064	0.00184	0.00054
16 A110084-1	0.00335	0.09139	0.00579
17 A110086-1	0.00225	0.01812	0.00234
18 CCB1	-0.00037	0.00137	-0.00147
19 BLK A0009321CP1	-0.00021	0.00542	0.00091
20 A100667-1 X2	0.00475	8.09821	0.02051
21 A100667-2 X2	0.00524	7.63002	0.02266
22 A100683-2	0.00615	0.71421	0.00484
23 A100686-1	0.00272	0.02273	0.00298
24 A100690-1	0.00678	0.32312	0.00736
25 CCB1	0.00016	0.00053	0.00433
26 CCV4	2.48091	2.48898	2.46716
27 CCV5	0.00548	0.00685	0.03496
28 CCB1	-0.00002	0.00032	0.00279
29 A100692-1	0.21012	0.33849	0.08811
30 A100791-6	0.00978	0.07548	0.00542
31 A100791-7	0.01333	0.02032	0.00475
32 CCB1	0.00014	-0.00064	0.00461
33 BLK A000934UND1	-0.00000	-0.00115	0.00241
34 A100634-1	0.00189	0.02647	0.00160
35 A100693-1 X2	0.00359	-0.00398	0.00355
36 A100693-1	0.00401	-0.00078	0.00761
37 A110019-1	0.00048	0.00687	0.01061
38 A100790-1	0.00024	0.05108	0.00574
39 CCB1	0.00019	0.00002	0.00385
40 CCV6	2.50237	2.62294	2.56378
41 CCV7	0.00665	0.00783	0.03538
42 CCB1	0.00020	0.00037	0.00333
43 A100792-2-SD 9316CP1	-0.00039	0.00656	0.00231
44 A100792-2-11 200.2	0.04040	0.10937	0.10207
45 A100792-2-12 1	0.04030	0.11151	0.10376
46 A100792-2	0.01423	0.30626	0.01281
47 A100792-2-S1 1	0.05678	0.42405	0.11110
48 A100792-2-S2 1	0.05510	0.41679	0.10817
49 A100792-1	0.06038	0.11024	0.00989
50 A100792-3	0.01758	0.07520	0.00368
51 A100792-4	0.16278	0.38952	0.04744
52 A100792-5	0.00787	0.01175	0.00506
53 CCB1	-0.00003	-0.00008	0.00284

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#	Sample Name	V. 2924	Zn2062	220371
54	CCV8	2.50392	H2.63435-105%	2.55128
55	CCV9	0.00687	0.00822	0.03525
56	CCB1	0.00066	0.00013	0.00377
57	A100792-6	0.00813	0.01183	-0.00049
58	A100792-7	0.00676	0.01222	0.00468
59	A100792-8	0.01850	0.18523	0.00532
60	A100792-8-S1	0.05937	0.29092	0.10374
61	A100792-8-S2	0.06022	0.29397	0.10912
62	A100792-9	0.00954	0.03434	0.00499
63	A100792-10	0.02237	0.05236	0.00629
64	A100792-2 X4	0.01390	0.33834	0.01597
65	A110140-1	0.00345	0.17075	0.03321
66	A100140-2	0.00076	0.03316	0.00630
67	CCB1	0.00011	0.00115	0.00166
68	CCV10	2.50780	H2.63525-105%	2.56592
69	CCV11	0.00691	0.00821	0.03762
70	CCB1	0.00021	0.00000	0.00402
71	A110104-1-S0 929GCP1	-0.00008	0.00763	0.00241
72	A110104-1-11 200.2	0.04115	0.11249	0.10600
73	A110104-1-12	0.04140	0.11388	0.10823
74	A110104-1	0.00092	0.02942	0.00833
75	A110104-1-S1	0.04165	0.11803	0.10842
76	A110104-1-S2	0.04095	0.13573	0.10880
77	A110036-1	0.00581	0.12324	0.00705
78	A110036-2	0.00114	0.04202	0.00395
79	A110036-3	0.00124	0.06601	0.00267
80	A110036-4	0.00857	0.40917	0.02864
81	CCB1	-0.00040	0.00071	0.00006
82	CCV12	2.50238	H2.63874-106%	2.56644
83	CCV13	0.00597	0.00789	0.03312
84	CCB1	0.00035	0.00044	0.00453
85	A110076-1	0.06325	0.42646	0.03925
86	A110082-1	0.07211	0.38609	0.03510
87	A110100-1	0.00097	0.14933	0.00400
88	A110101-1	0.00001	0.04036	0.01390
89	A110104-2	0.00107	0.05506	0.00706
90	A110104-3	0.02406	0.52110	0.15053
91	A110104-4	0.00098	0.11592	0.00333
92	A110105-1	-0.00007	0.21162	0.00359
93	A110109-1	0.00221	0.13729	0.01842
94	A110109-2	0.00128	0.14129	0.01191
95	CCB1	-0.00043	0.00145	0.00398
96	CCV14	2.51727	H2.74094	2.63439
97	CCV15	0.00829	0.00944	0.04483
98	CCB1	0.00019	0.00003	0.00489
99	A110109-3	0.00170	0.11955	0.00763
100	A110109-4	0.00151	0.11773	0.00666
101	A110153-1	0.00200	0.67160	0.02010
102	A110036-FB1	0.00007	0.01323	0.00306
103	CCB1	-0.00046	0.00021	0.00111
104	CCV16	2.52588	H2.74856	2.65056
105	CCV17	0.00876	0.00938	0.04370
106	ICSA1	0.00426	0.00602	0.32875
107	ICSA81	0.05341	0.05732	0.37703

few Zn

06394

Sample Name	Na3302	K 7664	*Y
1 LCB1	0.32555	0.19522	56233.95312
2 LCB1	0.08732	0.15179	54818.40234
3 CRD1 1	H0.70777	H0.66205	56037.90234
4 CRD1 1	H0.60276	H0.65291	56379.45312
5 IJA#1	100.00308	50.02199	55276.95312
6 IJA#2	0.06291	0.27911	54010.35156
7 IJA#3	0.04067	0.17434	57217.80078
8 LCV1	51.62481	H26.77215	55563.45312
9 LCV2 AL CA MG FE S11	0.19833	0.26697	56195.55468
10 LCV3 AG1	0.07071	0.18360	58011.60156
11 LCSA1	-0.43836	0.10407	50795.85156
12 LCSAB1	13.10675	9.52870	51249.30468
13 CCB1	-0.10783	0.17684	56261.25000
14 CCB1	-0.05656	0.12440	55791.75000
15 BLK A000925GCP1	-0.13764	0.15521	58071.00000
16 A110084-1	H129.70690	19.20781	56256.60156
17 A110086-1	H146.66990	19.64664	55824.15234
18 CCB1	0.14468	0.20307	55501.50000
19 BLK A0009321GCP1	-0.06195	0.20032	58538.40234
20 A100667-1 X2	4.52780	0.97190	56439.90234
21 A100667-2 X2	5.80066	1.82183	56430.00000
22 A100683-2	47.24308	H55.14764	56639.40234
23 A100686-1	H102.86387	7.94151	56335.50000
24 A100690-1	5.26622	3.74955	58165.80468
25 CCB1	0.11919	0.11511	55624.20312
26 CCV4	51.65874	25.73037	55454.10156
27 CCV5	-0.11967	0.18380	53982.15234
28 CCB1	-0.21339	0.13524	55767.30468
29 A100692-1	10.72196	9.65132	60928.95312
30 A100791-6	H193.17855	21.72554	55255.80468
31 A100791-7	H227.33924	24.29864	54453.60156
32 CCB1	H0.67819	0.18561	54669.75000
33 BLK A000934UND1	0.04530	0.13603	54456.90234
34 A100634-1	27.88486	1.33966	54417.00000
35 A100693-1 X2	184.03646	2.54733	53353.05468
36 A100693-1	H165.25494	2.51549	54373.35156
37 A110079-1	82.67018	1.66685	54448.20312
38 A100790-1	56.26037	5.29855	54938.25000
39 CCB1	0.32702	0.09461	55520.70312
40 CCV6	52.68077	26.03081	55692.00000
41 CCV7	-0.02730	0.08695	53809.35156
42 CCB1	-0.13873	0.04801	55589.40234
43 A100792-2-S0 931GCP1	-0.10376	0.00195	56515.65234
44 A100792-2-11 200.2	22.50639	21.33123	55729.35156
45 A100792-2-L2 1	22.45249	21.21175	56023.35156
46 A100792-2	98.59278	2.63602	55972.65234
47 A100792-2-S1 1	H122.11326	29.23086	52206.75000
48 A100792-2-S2 1	H120.40361	28.52690	52950.75000
49 A100792-1	29.90098	5.56957	56244.45312
50 A100792-3	57.29141	1.61536	55893.90234
51 A100792-4	88.05407	16.79867	59326.65234
52 A100792-5	H103.65975	5.27222	56166.60156
53 CCB1	0.35053	0.06616	55102.80468

107%
OK
for use

High sample
not needed

Re-run X2

Re-run X2

NOTE: HI

#	Sample Name	Na3302	K 7664	*Y
54	CCV8	52.14906	25.96628	55462.35156
55	CCV9	-0.02712	0.13850	53725.95312
56	CCB1	0.13352	0.07645	55509.45312
57	A100792-6	H106.83483	5.62830	56061.75000
58	A100792-7	H100.33776	3.05257	55636.50000
59	A100792-8	74.93653	2.54481	56626.80078
60	A100792-8-S1	95.58113	26.96650	55088.25000
61	A100792-8-S2	96.59021	27.06676	55273.95312
62	A100792-9	73.98443	5.48491	56500.65234
63	A100792-10	74.82140	2.43874	57349.65234
64	A100792-2 X4	105.54245	2.60331	55528.65234
65	A110140-1	H193.35601	24.33105	56210.40234
66	A100140-2	H195.76947	23.87652	55680.00000
67	CCB1	H0.59263	0.16129	56370.15234
68	CCV10	52.49750	26.02370	55960.65234
69	CCV11	0.11394	0.15080	54258.60156
70	CCB1	0.03984	0.04830	56232.15234
71	A110104-1-S0 9295CP1	0.04012	0.06457	56475.90234
72	A110104-1-11 200.2	22.69605	21.53691	55233.60156
73	A110104-1-12	22.89491	21.71961	54618.45312
74	A110104-1	13.05255	1.45587	56131.80468
75	A110104-1-S1	35.31199	23.71554	55286.25000
76	A110104-1-S2	34.76498	23.17674	56589.30468
77	A110036-1	H615.75769	8.27609	47787.45312
78	A110036-2	H606.04211	7.35638	49295.40234
79	A110036-3	H573.88989	H55.65474	49201.35156
80	A110036-4	H796.53442	H69.45223	49276.50000
81	CCB1	H2.92729	0.12153	56091.15234
82	CCV12	52.34469	26.04289	56307.60156
83	CCV13	-0.26268	0.12262	54720.30078
84	CCB1	0.06017	0.05150	56480.85156
85	A110076-1	2.41496	1.57666	83677.05468
86	A110082-1	2.16214	1.58202	90549.00000
87	A110100-1	H484.66766	H50.92755	53681.70312
88	A110101-1	10.51952	0.75207	57412.50000
89	A110104-2	H1044.80126	H96.19689	50662.95312
90	A110104-3	H106.90150	24.53892	50261.55468
91	A110104-4	10.41353	2.97148	56137.05468
92	A110105-1	42.08464	34.29912	53712.75000
93	A110109-1	H116.13211	15.08204	53275.50000
94	A110109-2	H205.84951	20.64699	52646.40234
95	CCB1	H0.57350	-0.03102	54286.65234
96	CCV14	H53.59349	26.15705	54079.05468
97	CCV15	0.18246	0.02544	52083.45312
98	CCB1	0.06393	-0.12451	53667.90234
99	A110109-3	61.67113	13.71903	55552.50000
00	A110109-4	H353.86303	39.93934	50307.60156
01	A110153-1	24.90896	6.26558	55749.90234
02	A110036-FR1	0.42992	-0.04330	54872.55468
03	CCB1	-0.09381	-0.14111	53596.35156
04	CCV16	H53.52915	H26.27380	53590.95312
05	CCV17	0.05728	-0.00087	52065.60156
06	ICSA1	-0.32997	-0.10127	48713.25000
07	ICSA1	13.16494	9.51346	49153.50000

Er-12

DUCK-W

#	Sample Name	File	Method	Date	Time	UID	Type	Mode
1	ICB1	IJA1488	ICAP4H1	11/15/00	12:30	SD	S	CONC
2	ICB1	IJA1488	ICAP4H1	11/15/00	12:48	SD	S	CONC
3	CHDL1	IJA1488	ICAP4H1	11/15/00	12:53	SD	S	CONC
4	CHDL1	IJA1488	ICAP4H1	11/15/00	13:04	SD	S	CONC
5	IJA#1	IJA1488	ICAP4H1	11/15/00	13:10	SD	S	CONC
6	IJA#2	IJA1488	ICAP4H1	11/15/00	13:15	SD	S	CONC
7	IJA#3	IJA1488	ICAP4H1	11/15/00	13:20	SD	S	CONC
8	ICV1	IJA1488	ICAP4H1	11/15/00	13:25	SD	S	CONC
9	ICV2 AL CA MG FE SI1	IJA1488	ICAP4H1	11/15/00	13:31	SD	S	CONC
10	ICV3 AG1	IJA1488	ICAP4H1	11/15/00	13:36	SD	S	CONC
11	ICSA1	IJA1488	ICAP4H1	11/15/00	13:41	SD	S	CONC
12	ICSA81	IJA1488	ICAP4H1	11/15/00	13:46	SD	S	CONC
13	CCB1	IJA1488	ICAP4H1	11/15/00	13:52	SD	S	CONC
14	CCB1	IJA1488	ICAP4H1	11/15/00	13:57	SD	S	CONC
15	A110104-1-SD 929GCP1	IJA1488	ICAP4H1	11/15/00	14:02	SD	S	CONC
16	A110104-1-L1 200.2	IJA1488	ICAP4H1	11/15/00	14:07	SD	S	CONC
17	A110104-1-L2	IJA1488	ICAP4H1	11/15/00	14:13	SD	S	CONC
18	A110104-1	IJA1488	ICAP4H1	11/15/00	14:18	SD	S	CONC
19	A110104-1-S1	IJA1488	ICAP4H1	11/15/00	14:23	SD	S	CONC
20	A110104-1-S2	IJA1488	ICAP4H1	11/15/00	14:28	SD	S	CONC
21	A110076-1	IJA1488	ICAP4H1	11/15/00	14:34	SD	S	CONC
22	A110082-1	IJA1488	ICAP4H1	11/15/00	14:39	SD	S	CONC
23	CCB1	IJA1488	ICAP4H1	11/15/00	14:44	SD	S	CONC
24	BLK A000925GCP1	IJA1488	ICAP4H1	11/15/00	14:49	SD	S	CONC
25	CCB1	IJA1488	ICAP4H1	11/15/00	14:55	SD	S	CONC
26	CCV4	IJA1488	ICAP4H1	11/15/00	15:00	SD	S	CONC
27	CCV5	IJA1488	ICAP4H1	11/15/00	15:05	SD	S	CONC
28	CCB1	IJA1488	ICAP4H1	11/15/00	15:10	SD	S	CONC
29	A110027-1 X5 K1	IJA1488	ICAP4H1	11/15/00	15:16	SD	S	CONC
30	A110027-1-S1 X5	IJA1488	ICAP4H1	11/15/00	15:21	SD	S	CONC
31	A110027-1-S2 X5	IJA1488	ICAP4H1	11/15/00	15:26	SD	S	CONC
32	CCB1	IJA1488	ICAP4H1	11/15/00	15:31	SD	S	CONC
33	BLK A000931GCP1	IJA1488	ICAP4H1	11/15/00	15:36	SD	S	CONC
34	A100792-2 X2 NA1	IJA1488	ICAP4H1	11/15/00	15:42	SD	S	CONC
35	A100792-2-S1 X2	IJA1488	ICAP4H1	11/15/00	15:47	SD	S	CONC
36	A100792-2-S2 X2	IJA1488	ICAP4H1	11/15/00	15:52	SD	S	CONC
37	A100792-5 X2	IJA1488	ICAP4H1	11/15/00	15:57	SD	S	CONC
38	A100792-6 X2	IJA1488	ICAP4H1	11/15/00	16:03	SD	S	CONC
39	CCB1	IJA1488	ICAP4H1	11/15/00	16:08	SD	S	CONC
40	CCV6	IJA1488	ICAP4H1	11/15/00	16:13	SD	S	CONC
41	CCV7	IJA1488	ICAP4H1	11/15/00	16:18	SD	S	CONC
42	CCB1	IJA1488	ICAP4H1	11/15/00	16:24	SD	S	CONC
43	A100792-7 X2	IJA1488	ICAP4H1	11/15/00	16:29	SD	S	CONC
44	A100792-2	IJA1488	ICAP4H1	11/15/00	16:34	SD	S	CONC
45	A100792-2-S1	IJA1488	ICAP4H1	11/15/00	16:39	SD	S	CONC
46	A100792-2-S2	IJA1488	ICAP4H1	11/15/00	16:45	SD	S	CONC
47	A100792-8	IJA1488	ICAP4H1	11/15/00	16:50	SD	S	CONC
48	A100792-8-S1	IJA1488	ICAP4H1	11/15/00	16:55	SD	S	CONC
49	A100792-8-S2	IJA1488	ICAP4H1	11/15/00	17:00	SD	S	CONC
50	CCB1	IJA1488	ICAP4H1	11/15/00	17:06	SD	S	CONC
51	A110167-1-SD 9351CP1	IJA1488	ICAP4H1	11/15/00	17:11	SD	S	CONC
52	A110167-1-L1 200.2	IJA1488	ICAP4H1	11/15/00	17:16	SD	S	CONC
53	CCB1	IJA1488	ICAP4H1	11/15/00	17:21	SD	S	CONC

not reported

No results

Empired By: SD 11/17/00
Approved By: ape 11/17/00

#	Sample Name	File	Method	Date	Time	UPLD	Type	Mode
5	CCV8	IJA1488	ICAP4HI	11/15/00	17:27	SD	S	CONC
55	CCV9	IJA1488	ICAP4HI	11/15/00	17:32	SD	S	CONC
56	CCBT	IJA1488	ICAP4HI	11/15/00	17:37	SD	S	CONC
57	A110167-1-L2	IJA1488	ICAP4HI	11/15/00	17:42	SD	S	CONC
58	A110167-1	IJA1488	ICAP4HI	11/15/00	17:48	SD	S	CONC
59	A110167-1-S1	IJA1488	ICAP4HI	11/15/00	17:53	SD	S	CONC
60	A110167-1-S2	IJA1488	ICAP4HI	11/15/00	17:58	SD	S	CONC
61	A110156-1	IJA1488	ICAP4HI	11/15/00	18:03	SD	S	CONC
62	A110179-1	IJA1488	ICAP4HI	11/15/00	18:09	SD	S	CONC
63	A110184-1	IJA1488	ICAP4HI	11/15/00	18:14	SD	S	CONC
64	A110185-1	IJA1488	ICAP4HI	11/15/00	18:19	SD	S	CONC
65	A100575-5	IJA1488	ICAP4HI	11/15/00	18:24	SD	S	CONC
66	A110145-1	IJA1488	ICAP4HI	11/15/00	18:29	SD	S	CONC
67	CCBT	IJA1488	ICAP4HI	11/15/00	18:35	SD	S	CONC
68	CCV10	IJA1488	ICAP4HI	11/15/00	18:40	SD	S	CONC
69	CCV11	IJA1488	ICAP4HI	11/15/00	18:45	SD	S	CONC
70	CCBT	IJA1488	ICAP4HI	11/15/00	18:50	SD	S	CONC
71	A110145-2	IJA1488	ICAP4HI	11/15/00	18:56	SD	S	CONC
72	A110145-3	IJA1488	ICAP4HI	11/15/00	19:01	SD	S	CONC
73	A110145-4	IJA1488	ICAP4HI	11/15/00	19:06	SD	S	CONC
74	A110145-5	IJA1488	ICAP4HI	11/15/00	19:12	SD	S	CONC
75	A110145-6	IJA1488	ICAP4HI	11/15/00	19:17	SD	S	CONC
76	A110145-7	IJA1488	ICAP4HI	11/15/00	19:22	SD	S	CONC
77	A110145-8	IJA1488	ICAP4HI	11/15/00	19:27	SD	S	CONC
78	A110145-9	IJA1488	ICAP4HI	11/15/00	19:32	SD	S	CONC
79	CCBT	IJA1488	ICAP4HI	11/15/00	19:38	SD	S	CONC
80	A110159-1-S0 936ICP1	IJA1488	ICAP4HI	11/15/00	19:43	SD	S	CONC
81	CCBT	IJA1488	ICAP4HI	11/15/00	19:48	SD	S	CONC
82	CCV12	IJA1488	ICAP4HI	11/15/00	19:53	SD	S	CONC
83	CCV13	IJA1488	ICAP4HI	11/15/00	19:59	SD	S	CONC
84	CCBT	IJA1488	ICAP4HI	11/15/00	20:04	SD	S	CONC
85	A110159-1-L1 200.2	IJA1488	ICAP4HI	11/15/00	20:09	SD	S	CONC
86	A110159-1-L2 DIST	IJA1488	ICAP4HI	11/15/00	20:14	SD	S	CONC
87	A110159-1 DIST	IJA1488	ICAP4HI	11/15/00	20:20	SD	S	CONC
88	A110159-1-S1 DIST	IJA1488	ICAP4HI	11/15/00	20:25	SD	S	CONC
89	A110159-1-S2 DIST	IJA1488	ICAP4HI	11/15/00	20:30	SD	S	CONC
90	A110097-1 DIST	IJA1488	ICAP4HI	11/15/00	20:35	SD	S	CONC
91	A110097-2 DIST	IJA1488	ICAP4HI	11/15/00	20:41	SD	S	CONC
92	A110097-3 DIST	IJA1488	ICAP4HI	11/15/00	20:46	SD	S	CONC
93	A110097-4 DIST	IJA1488	ICAP4HI	11/15/00	20:51	SD	S	CONC
94	A110097-5 DIST	IJA1488	ICAP4HI	11/15/00	20:56	SD	S	CONC
95	CCBT	IJA1488	ICAP4HI	11/15/00	21:02	SD	S	CONC
96	CCV14	IJA1488	ICAP4HI	11/15/00	21:07	SD	S	CONC
97	CCV15	IJA1488	ICAP4HI	11/15/00	21:12	SD	S	CONC
98	CCBT	IJA1488	ICAP4HI	11/15/00	21:17	SD	S	CONC
99	A110097-6 DIST	IJA1488	ICAP4HI	11/15/00	21:23	SD	S	CONC
100	A110224-3 DIST	IJA1488	ICAP4HI	11/15/00	21:28	SD	S	CONC
101	A110224-4 DIST	IJA1488	ICAP4HI	11/15/00	21:33	SD	S	CONC
102	A110159-2 DIST	IJA1488	ICAP4HI	11/15/00	21:38	SD	S	CONC
103	A110159-3 DIST	IJA1488	ICAP4HI	11/15/00	21:44	SD	S	CONC
104	A110159-4 DIST	IJA1488	ICAP4HI	11/15/00	21:49	SD	S	CONC
105	A110159-FB1	IJA1488	ICAP4HI	11/15/00	21:54	SD	S	CONC
106	A110224-FB1	IJA1488	ICAP4HI	11/15/00	21:59	SD	S	CONC
107	S102 BLK X10 939ICP1	IJA1488	ICAP4HI	11/15/00	22:05	SD	S	CONC

#	SAMPLE NAME	220572	196071	196072
97	OCV12	2.61376	2.52471	2.52102
98	OCV15	-0.01305	0.04679	0.05357
99	OCB1	0.00033	0.01327	0.01024
00	A110097-6 O1S1	-0.00006	0.00621	0.00464
01	A110224-3 O1S1	0.00098	0.00877	0.00816
02	A110224-4 O1S1	0.00335	0.00687	0.00059
03	A110159-2 O1S1	-0.00168	0.01128	0.00621
04	A110159-3 O1S1	-0.00040	0.00366	0.00287
05	A110159-4 O1S1	-0.00053	0.01548	0.00864
06	A110159-FB1	0.00010	0.00499	-0.00021
07	A110224-FB1	-0.00079	0.00345	0.00011
08	S102 BLK X10 9491061	-0.28329	0.03754	-0.00719
09	A110107-4-S0 3050	-0.28080	0.58978	0.53945
10	OCB1	-0.00046	0.00043	0.00413
11	OCV16	2.63933	2.56323	2.52649
12	OCV17	-0.01391	0.04956	0.05460
13	OCB1	0.00011	0.01530	0.00901
14	A110107-4-L1 X10	113.35409	20.85153	22.32606
15	A110107-4-L2 X10	103.85388	21.78846	20.71063
16	A110107-4 X10	6.13892	2.25855	1.99283
17	A110107-4-S1 X10	103.21868	19.34656	18.54767
18	A110107-4-S2 X10	101.90159	16.89712	18.32854
19	A110227-1 X10	22.17237	4.40009	2.64485
20	A110228-1 X10	10.89714	1.87617	2.11374
21	A110242-1 X10	3.46651	2.84100	1.43383
22	A110273-2	1.01872	0.12266	0.12678
23	OCB1	0.00049	0.00227	0.00043
24	OCV18	2.61400	2.52860	2.51057
25	OCV19	-0.01437	0.04990	0.04952
26	OCSA1	-0.17993	0.04172	0.01003
27	OC SAB1	-0.12889	0.08117	0.04942

#	SAMPLE NAME	NA3302	K 7664	FY
1	OCB1	0.24332	H0.53441	53000.70312
2	OCB1	0.02948	H0.57653	53425.05468
3	CRDL1	H0.75799	H1.05451	54461.40234
4	CRDL1	H0.67828	H0.99770	54428.10156
5	IJA#1	99.97016	50.26344	52886.55078
6	IJA#2	0.35831	0.41890	51950.40234
7	IJA#3	0.13680	0.60428	55510.65234
8	OCV1	49.76261	25.82568	53465.10156
9	OCV2 AL GA MG TE SI	0.51452	0.55743	53887.20312
10	OCV3 AGI	0.39235	0.61793	55228.65234
11	OCSA1	0.05250	-0.89198	49122.89843
12	OC SAB1	11.92981	7.66254	49428.75000
13	OCB1	0.21466	H0.54902	53064.30078
14	OCB1	0.40518	H0.55984	52500.80234
15	A110104-1-S0 9296CP1	0.27330	0.66050	57192.60156
16	A110104-1-L1 200.2	20.26458	19.85039	55626.30468
17	A110104-1-L2	26.53252	20.01908	55634.40234
18	A110104-1	11.58869	1.73541	55795.35156
19	A110104-1-S1	32.40706	21.63660	54825.30468

00399

#	SAMPLE NAME	Wt. (g)	K ₂ O (%)	Fe (%)
1	A110104-1-SZ	12.27602	21.74739	54540.30468
2	A110076-1	2.18544	1.98520	87315.75000
22	A110082-1	2.25287	1.95323	85998.29687
23	CCBT	0.21630	H0.58157	53584.20312
24	BLK A000925GCP1	0.28675	0.62318	55853.60156
25	CCBT	H0.52426	H0.60672	53000.55468
26	CCV4	49.90823	24.71827	53756.10156
27	CCV5	0.39386	0.51185	52614.75000
28	CCBT	0.19837	H0.55457	53662.50000
29	A110027-1 X5 K1	1008.41040	44.67330	51302.10156
30	A110027-1-S1 X5	1026.42089	71.43733	51707.10156
31	A110027-1-S2 X5	1027.64782	70.98811	50681.70312
32	CCBT	H1.05329	H0.56252	52820.70312
33	BLK A000931GCP1	0.59949	0.62747	55684.50380
34	A100792-2 X2 NA1	97.28075	3.03050	52893.80468
35	A100792-2-S1 X2	118.97863	25.71806	53102.55078
36	A100792-2-S2 X2	116.67431	25.38641	52441.20312
37	A100792-5 X2	104.64146	5.16843	52673.10156
38	A100792-6 X2	106.65779	5.37350	52898.25000
39	CCBT	0.32732	H0.50132	51469.20312
40	CCV6	50.36193	24.83487	52860.80468
41	CCV7	0.20414	0.22548	51887.25000
42	CCBT	0.32042	H0.51430	52042.80076
43	A100792-7 X2	98.75628	3.26646	52874.25390
44	A100792-2	97.25796	2.63658	53626.15234
45	A100792-2-S1	H116.72689	26.55033	54299.40234
46	A100792-2-S2	H117.06454	26.39302	53257.05468
47	A100792-8	72.84827	2.67990	53708.25390
48	A100792-8-S1	92.86520	25.22496	53912.10156
49	A100792-8-S2	93.92091	25.31017	53693.40234
50	CCBT	0.32734	H0.56122	52916.25000
51	A110167-1-S0 9.3510P1	0.29923	0.55892	53303.40234
52	A110167-1-U 200.2	21.30611	20.67638	52108.50000
53	CCBT	H0.55860	H0.55547	51798.45312
54	CCV8	50.59396	25.03053	52735.80468
55	CCV9	0.31429	0.42103	51512.40234
56	CCBT	0.45249	H0.54226	52032.45312
57	A110167-1-12	21.24317	20.85181	52403.70312
58	A110167-1	0.26857	0.60338	53668.15234
59	A110167-1-S1	21.55026	20.91706	52041.30076
60	A110167-1-S2	21.58236	20.78179	51814.50000
61	A110156-1	17.46301	00.00000	48754.95312
62	A110179-1	17.66622	5.06364	49926.45312
63	A110184-1	52.55519	2.36892	51432.75000
64	A110185-1	H218.82225	40.12831	46171.80468
65	A100575-5	H475.00750	H51.96867	52224.30468
66	A110145-1	H426.23181	00.00000	38244.00000
67	CCBT	H1.26319	H1.03688	53078.10156
68	CCV10	51.87775	25.43210	53822.10156
69	CCV11	0.38205	0.43607	51757.95312
70	CCBT	0.16367	H0.50487	52419.45312
71	A110145-2	H3877.53076	00.00000	36185.39843
72	A110145-3	H524.76904	00.00000	40791.45312
73	A110145-4	H153.12289	H116.98536	45991.20312

CRD not needed sample Lyl

only Lyl samples @ WTE-MZ

#	Sample Name	NA3302	W /662	*Y
75	A110145-5	H1213.13745	H51.36598	39217.95312
76	A110145-6	H1715.33666	H112.06493	35628.90234
77	A110145-7	H1059.40185	H88.51248	37573.95312
78	A110145-8	H1792.00160	24.89262	33417.30078
79	COBT	H2412.85888	H133.43069	43693.80468
80	A110159-1-SIF 9361CP1	H10.27575	H0.61145	51734.25000
81	COBT	0.94099 ✓	0.50776	54564.30468
82	COV12	H0.65350	0.43429	51510.60156
83	COV13	51.44020	25.59665	52941.45312
84	COBT	0.37929	0.34739	51187.35156
85	A110159-1-L1 200.2	0.43802	0.42399	51759.15234
86	A110159-1-L2 D1S1	21.77806	21.58261	53655.20312
87	A110159-1 D1S1	21.76374	21.52100	53307.60156
88	A110159-1-S1 D1S1	44.15523	3.07701	53373.30468
89	A110159-1-S2 D1S1	65.38851	26.51205	51478.05468
90	A110097-1 D1S1	65.68119	26.47123	51268.05078
91	A110097-2 D1S1	48.29169	3.83949	53470.50000
92	A110097-3 D1S1	52.65394	3.79756	52669.50000
93	A110097-4 D1S1	52.17490	3.93355	53301.75000
94	A110097-5 D1S1	0.41530	0.43966	54625.50000
95	COBT	52.68261	3.97386	52716.45312
96	COV14	0.33502	0.46668	51519.30078
97	COV15	51.59637	25.85742	52407.60156
98	COBT	0.24816	0.26424	51073.05468
99	A110097-6 D1S1	0.40728	0.41662	51624.75000
100	A110224-3 D1S1	H141.56484	4.62542	51365.10156
101	A110224-4 D1S1	H670.30932	H201.28326	47213.10156
102	A110159-2 D1S1	H645.87646	9.63929	46541.55468
103	A110159-3 D1S1	99.01753	0.79313	52784.55468
104	A110159-4 D1S1	76.77713	0.77866	53165.85156
105	A110159-FB1	24.10424	2.49464	53252.55468
106	A110224-FB1	0.17092	0.41492	53886.80468
107	S102 BLK x10 9391CP1	0.27461	0.44538	54213.00390
108	A110107-4-S0 3050	72.30767	87.80415	52606.05078
109	COBT	121.62488	96.67788	52355.55468
110	COV16	0.21687	0.34068	51474.45312
111	COV17	51.99655	25.96202	52414.80468
112	COBT	0.25629	0.31403	51159.60156
113	A110107-4-L1 x10	0.43198	0.37867	51696.90234
114	A110107-4-L2 x10	1136.71032	1011.47949	52006.05468
115	A110107-4 x10	1101.57556	965.91552	52190.70312
116	A110107-4-S1 x10	155.85751	532.44921	54869.85156
117	A110107-4-S2 x10	1151.00366	1401.84545	54625.80468
118	A110227-1 x10	1103.02026	1312.01440	54686.10156
119	A110228-1 x10	878.78021	568.29571	88633.05468
120	A110242-1 x10	390.57510	183.88447	53640.30468
121	A110273-2	200.56607	153.20237	52318.05468
122	COBT	61.05253	447.00625	43745.95312
123	COV18	0.31242	0.36136	51384.00000
124	COV19	52.13464	25.82834	52107.60156
125	COV20	0.30947	0.29121	50801.40234
126	COV21	0.22563	-1.10557	47668.60156
127	COV22	12.49084	8.03639	46277.35312

mer

rerun 12

CALTEST ANALYTICAL LABORATORY
ACID DIGESTION LOG FOR METALS PREPARATION

Prep Method 2002-12009		Analyst Start UKC		Date Start 11-09-00	
QC Batch # A000931GCP		Analyst Finish UKC		Date Finish 11-10-00	
Sample ID #	Initial Mass/Volume	Final Volume		Comments/ Matrix	
Reagent Blank DI H ₂ O	50ml	50ml			
LCS					
LCS					
1. QC Sample A100792-2,8				+ MB, Lcs ¹ Lcs ² S ¹ , S ²	pH < 2
Matrix Spike				S ³ , S ⁴ For GFAA	yes
Matrix Spike Dup.				+ ICP IS	
2. A100792-1					
3.	-2				
4.	-3				
5.	-4				
6.	-5				
7.	-6				
8.	-7				
9.	-8				
10.	-9				
11.	-10				
12. A110140-1					
13.	-2				
14.					
15.					
16.					
17.					
18.					
19.					
20.					

UKC
11-09-00

ICP Spike	Vol.	GFAA Spike	Vol.	FIAS Spike	Vol.	Tekran Spike	Vol.	Lot #:
M-1023	0.5ml	M-0552	0.5ml					HCl M-0504
M-0815		M-0816						HNO ₃ M0910
M-1039		M 1027						H ₂ SO ₄
M-1034								K ₂ S ₂ O ₈
C-3058	0.05ml							KMnO ₄
								H ₂ O ₂
								KBr

073

Caltest Analytical Laboratory
STANDARDS PREPARATION RECORD
 Metals Department

Standard ID	Caltest Source	Concentration	Standard Preparation	Matrix	Expiration date	Analyst Initials	Date
M1018	WP-68	Trace Metals	5mls → 500mls (09409-1)	17% HNO ₃	-	LM/SD	10/19/00
M1019	M0914	Ricor Hg 10ppb	5ml → 50ml	2% HNO ₃ C3143	4/20/01	SD	10/19/00
M1020	M0913	Ricor Hg 10ppb	5ml → 50ml	↓	↓	↓	↓
M1021	C2820	KMnO ₄	100g → 2L	DI H ₂ O	4/19/01	↓	↓
M1022	C2549	K ₂ S ₂ O ₈	45g → 900ml	↓	↓	↓	↓
M1023	C3126	3010 SPK VIAHAWO	20ml → 200ml CK TSA1467 10123100 SD	2% HNO ₃ C3143	4/20/01	SD	10/20/00
M1024	C2928	NaOH-HCl	121 gms 3ulf = 1L	DI H ₂ O	1/20/01	LM	10/20/00
	C2771	NaCl	121 gms			↓	↓
M1025	C9118	SnCl ₂	21.2 gms → 1.5 L	3% HCl C3151	-	↓	↓
M1026	C3143	1:1 HNO ₃	1L → 2L	DI H ₂ O	10/20/01	SD	10/20/00
M-1027	C2979	Sb. 2 PPM	0.2 ml → 100 ml	2% HNO ₃ C3143	04/20/01	HRC	10/20/00
M-1028	C3098	As 5 ppm	5ml	2% HNO ₃ C3143 5% HCl C3151	10/20/01	SD	10/20/00
TJA#1	C2912	Ba	} 48 = 1L				
	C2942	Be					
	C3045	Ca					
	C2980	Co					
	C2943	Cr					
	C3060	Cu					
	C3096	Mo					

Caltest Analytical Laboratory

STANDARDS PREPARATION RECORD
Metals Department

UC 404

Standard ID	Caltest Source	Concentration	Standard Preparation	Matrix	Expiration date	Analyst Initials	Date
M0808	M0705	RICCA 4g/10ppb	5ml → 50ml	29% HNO ₃ C2997	10-15-00	EFD	8-15-00
M0809	C2252	KMnO ₄	100g → 2L	DI H ₂ O	11-15-00	EFD	8-15-00
M0810	C2741	NaOH	6 pellets } VF=12	DI H ₂ O	-	UM	8/16/00
	C3812	NaBH ₄	2.0 gms	↓			
M0811	M0658	Se 20ppb	2ml → 100ml	10% HCl C3090 12% H ₂ SO ₄ C2930	-		
M0812	M0537	Spek 10ppb	1ml → 100ml	↓			
M0813	C2997	HNO ₃ 1:1	1L HNO ₃ → 2L	DI H ₂ O	8-16-01	EFD	8-16-00
M0814	C2730	Ag 100ppm	10ml → 100ml	29% HNO ₃ C2997	11-16-00	EFD	8-16-00
M0815	M0814	Ag 4ppm	8ml → 200ml <small>unfilled 7/21/02</small>	↓			
M0816	M0815	Ag 200ppb	10ml → 200ml <small>unfilled 7/21/02</small>	↓			
M0817	C2961	SnCl ₂	26.7 gms → 2L	37% HCl C3090	-	UM	8/17/00
M0818	C2873	Ag 1ppm	0.05ml → 50ml	17% HCl C3090 27% HNO ₃ C2997	11/17/00	UM	8/17/00
M0819	M0818	Ag 1ppb	0.4ml → 100ml	↓			
M0820	C2730	Ag 1ppm	0.05ml → 50ml	↓			
M0821	M0820	Ag 4ppb	0.4ml → 100ml	↓			
M0822	C2961	SnCl ₂	75g → 2.5L	5% HCl C3090	-	SD	8/18/00
M0823	C2988	As 1ppm	0.1ml → 100ml	27% HCl C3090	11-18-00	VP	8-18-00
M0824	M0823	As 20ppb	2ml → 100ml	10% H ₂ SO ₄ C2930 10% HCl C3090	↓		
M0825	M0537	Spek 1ppb	1ml → 100ml	↓	09-01-00		

Caltest Analytical Laboratory

STANDARDS PREPARATION RECORD
Metals Department

Standard ID	Caltest Source	Concentration	Standard Preparation	Matrix	Expiration date	Analyst Initials	Date
M-1039	C2995	Ca 2000ppm	50ml 20ml	2% HNO ₃ C3143	04-25-01	UKC	10-25-00
3010 MIN SPIKE	C2994	K					
	C2996	Mg					
	C2993	Na					
	C3035	Al 200ppm					
	C3036	Fe 100ppm	2.5ml 1ml				
M1040	C3118	SnCl ₂	13.1 gms → 1L	3% HCl C3151		UC	10/27/00
M1041	C3057	Spike 20ppb	0.04 ml → 200 ml	2% HNO ₃ C3143 1% HCl C3151	4/25/01	L	↓
M-1042	M0300	RICCA Hg 100ppb	1.0 ml → 100ml	2% HNO ₃	04-26-01	UKC	10-26-00
M-1043	M0301	BAKER Hg 100ppb	1.0 ml → 100ml	↓	↓	↓	↓
M-1044	M-1042	RICCA 10ppb	5 ml → 50 ml	2% HNO ₃	04-26-01	UKC	10-26-00
M-1045	M-1043	BAKER 10ppb	5 ml → 50 ml	↓	↓	↓	↓
M1046	C3118	SnCl ₂	21.2g → 1.5L	3% HCl C3151		SD	10/27/00
M1047	C2873	Ag 1.0ppm	1ml } VS=1L	2% HNO ₃ C3143 5% HCl C3151	4/30/01	SD	10/30/00
	C3016	V 0.5ppm	0.05ml	↓	↓	↓	↓
M1048	M0310	Baker 1% 10ppb	1 ml → 100 ml	0.5% BrCl M0974	11/30/00	SD	10/30/00
M1049	M0309	Ricca Hg 10ppb	1 ml → 100 ml	↓	↓	↓	↓
M1050	M1049	Ricca Hg 1ppb	10 ml → 100 ml	↓	↓	↓	↓

00405

Caltest Analytical Laboratory
STANDARDS PREPARATION RECORD
Metals Department

Standard ID	Caltest Source	Concentration	Standard Preparation	Matrix	Expiration Date	Analyst Initials	Date
M1032	C3057	QC-21	25ml } Bo 10u	20% HNO ₃ 5% HCl	4/24/01	SD	10/24/00
ICV1	C3056	QC-7A	25ml } V _s = 1L	↓	↓	↓	↓
	C2730	Ag	1.25ml				
	C2868	Na	4.75ml				
	C3016	Y 0.5ppm	0.05ml				
M1033	C3033	TCS-A	100ml } OK TSA1469	↓	↓	↓	↓
TCSAB	C3057	QC-21	0.5ml } 10/25/00				
	C3056	QC-7A	↓ } V _s = 1L				
	C3058	B 0.5ppm	↓				
	C2873	Ag 0.025ppm	0.025ml				
	C2925	K 0.5ppm	0.5ml				
	C2854	Na 1ppm	1ml				
	C3016	Y 0.5ppm	0.05ml				
M1034	C2979	Sb 10ppm	1ml → 100ml	2% HNO ₃	-	LMA	10/24/00
M1035	M0823	As 20ppb	2mls → 100mls	10% HCl C3131 1% H ₂ SO ₄ C3029			
M1036	M0537	Spec 10ppb	1ml → 100mls	↓			
M1037	M0658	Se 20ppb	2mls → 100mls	↓			
M1038	M0537	Spec 10ppb	1ml → 100mls	↓			

STANDARDS RECORD - Metals Department

Code	Element	Conc.	Matrix	Date of Receipt	Date of Expir.	Supplier	Lot #	Initials
C3024	In	1000 ppm	2% HNO ₃	6/1/00	12/2/01	CPI	0BF173	UM
C3025	mixed Int. Std	10 ppm	7% HNO ₃	↓	↓	↓	OCR 143	↓
C3029	Tl	10,000 ppm	7% HNO ₃	6/00	12/12/01	CPI	OCF 053	UM
C3033	C6PP-ICS-A	mixed	1.4% H ₂ O ₂	6/00	7/01/01	Inag. Vent.	R-MEB9200	↓
C3035	Al	10,000 ppm	5% HCl	↓	4/02	JT Baker	T17417	↓
C3036	Fe	↓	5% HNO ₃	6/00	8/01	↓	N 31799	↓
C3041	B	1000 ppm	H ₂ O	6/26/00	6/30/01	Spey	7-126B	UM
C3042	Fe	1000 ppm	2% HNO ₃	↓	↓	↓	CL1-184FE	↓
C3043	mix	Inst. check std	10 ppm 2% HNO ₃	↓	↓	↓	16-119AS	↓
C3044	Ca, Fe, K, Mg, Na	200 ppm	2% HNO ₃	↓	↓	↓	17-2AS	↓
C3045	Mn, Sn, Sr, Ti	20 ppm	2% HNO ₃ + HF	↓	↓	↓	17-3AS	↓
C3048	Tl	1000 ppm	2% HNO ₃	6/29/00	6/30/01	Spey	7-89TL	UM
C3054	Fe	10,000 ppm	5% HNO ₃	7/5/00	9/01	JT Baker	N38433	UM
C3055	Ni	1000 ppm	2% HNO ₃	7/10/00	6/30/01	Spey	7-139NT	↓
C3056	QC-7A	various	5% HNO ₃ + HF	↓	↓	↓	16-155AS	↓
C3057	QC-21	↓	5% HNO ₃ + HF	↓	↓	↓	18-137AS	↓
C3058	B	1000 ppm	H ₂ O with NaOH	↓	9/01	Ultra Scientific	IF-0354	↓
C3059	Se	1000 ppm	5% HNO ₃	7/12/00	12/01	RICCA	1006363	UM
C30680	Cu	↓	↓	7/12/00	7/01	↓	1001446	↓
C3070	Na	10,000 ppm	5% HNO ₃	7/19/00	12/01	JT Baker	N49797	↓
C3071	Ce	1000 ppm	2% HNO ₃	7/20/00	1/19/02	CPI	9KM130	↓

AVB/CAL TEST STANDARDS RECORD

00405

TJA#486

11/13/00

SD

Standardization Rpt.

11/13/00 09:20:51 AM

page 1

Method: ICAP4HI Standard: STD1-BLANK
Run Time: 11/13/00 09:15:43

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Avg	-.0091	.0394	.0002	.0023	.0002	.0009	.0059
SDev	.0007	.0009	.0001	.0001	.0000	.0000	.0015
%RSD	8.187	2.281	70.65	3.450	20.28	4.457	25.89
#1	-.0086	.0388	.0001	.0023	.0002	.0009	.0049
#2	-.0096	.0401	.0003	.0022	.0002	.0008	.0070

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Avg	.0003	-.0003	.0052	.0040	.0012	.0009	.0002
SDev	.0000	.0000	.0000	.0000	.0000	.0007	.0000
%RSD	.0831	4.202	.0831	.3995	.9492	80.36	5.321
#1	.0003	-.0003	.0052	.0040	.0012	.0004	.0003
#2	.0003	-.0003	.0052	.0040	.0012	.0014	.0002

Elem	Mo2020	Ni2316	Sb2068	Si2881	Tl1908	V_2924	Zn2062
Avg	.0001	.0027	.0003	.0188	-.0006	-.0001	.0042
SDev	.0005	.0007	.0006	.0004	.0001	.0001	.0001
%RSD	825.6	27.82	186.1	2.326	13.86	47.07	1.888
#1	.0004	.0021	-.0001	.0191	-.0006	-.0001	.0043
#2	-.0003	.0032	.0008	.0185	-.0007	-.0001	.0042

Elem	2203/1	2203/2	1960/1	1960/2	Na3302	K_7664
Avg	-.0002	.0023	-.0031	.0005	-.0016	-.0276
SDev	.0015	.0010	.0018	.0001	.0008	.0009
%RSD	741.8	42.00	57.33	11.40	48.81	3.275
#1	-.0013	.0030	-.0018	.0005	-.0021	-.0282
#2	.0009	.0016	-.0043	.0004	-.0010	-.0270

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	55385	--	--	--	--	--	--
SDev	46.03376	--	--	--	--	--	--
%RSD	.0831164	--	--	--	--	--	--
#1	55352	--	--	--	--	--	--
#2	55417	--	--	--	--	--	--

Method: ICAP4HI Standard: TJA#3A
Run Time: 11/13/00 09:20:56

Elem	Ag3280
Avg	.6443
SDev	.0003
%RSD	.0544
#1	.6440
#2	.6445

00601

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	56345	--	--	--	--	--	--
SDev	155.9170	--	--	--	--	--	--
%RSD	.2767202	--	--	--	--	--	--
#1	56234	--	--	--	--	--	--
#2	56455	--	--	--	--	--	--

Method: ICAP4HI Standard: TJA#3B
 Run Time: 11/13/00 09:24:34

Elem	Ag3280
Avge	1.298
SDev	.002
%RSD	.1274
#1	1.296
#2	1.299

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	56657	--	--	--	--	--	--
SDev	238.4386	--	--	--	--	--	--
%RSD	.4208428	--	--	--	--	--	--
#1	56489	--	--	--	--	--	--
#2	56826	--	--	--	--	--	--

Method: ICAP4HI Standard: TJA#3C
 Run Time: 11/13/00 09:28:11

Elem	Ag3280
Avge	2.577
SDev	.005
%RSD	.1916
#1	2.573
#2	2.580

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	57677	--	--	--	--	--	--
SDev	376.9597	--	--	--	--	--	--
%RSD	.6535742	--	--	--	--	--	--
#1	57943	--	--	--	--	--	--
#2	57410	--	--	--	--	--	--

Method: ICAP4HI Standard: TJA#2A
 Run Time: 11/13/00 09:31:49

Elem	A13082	Ca3179	Fe2714	Mg2790	Si2881
Avge	6.086	7.382	3.076	5.611	5.190
SDev	.016	.002	.002	.003	.010
%RSD	.2695	.0296	.0789	.0515	.1846

#1	6.074	7.383	3.074	5.613	5.183
#2	6.097	7.380	3.078	5.609	5.196

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	55608	---	---	---	---	---	---
SDev	51.97235	---	---	---	---	---	---
%RSD	.0934612	---	---	---	---	---	---

#1	55572	---	---	---	---	---	---
#2	55645	---	---	---	---	---	---

Method: ICAP4HI Standard: TJA#2B
 Run Time: 11/13/00 09:35:58

Elem	A13082	Ca3179	Fe2714	Mg2790	Si2881
Avge	12.16	14.60	6.101	11.26	10.30
SDev	.01	.03	.013	.04	.02
%RSD	.0643	.2020	.2074	.3215	.1971

#1	12.15	14.58	6.092	11.23	10.28
#2	12.16	14.62	6.110	11.28	10.31

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	55011	---	---	---	---	---	---
SDev	31.81980	---	---	---	---	---	---
%RSD	.0578423	---	---	---	---	---	---

#1	54989	---	---	---	---	---	---
#2	55034	---	---	---	---	---	---

Method: ICAP4HI Standard: TJA#2C
 Run Time: 11/13/00 09:40:08

Elem	A13082	Ca3179	Fe2714	Mg2790	Si2881
Avge	24.25	28.59	12.00	22.65	20.36
SDev	.00	.01	.01	.03	.02
%RSD	.0071	.0368	.0543	.1176	.0849

#1	24.26	28.58	11.99	22.64	20.35
#2	24.25	28.60	12.00	22.67	20.38

IntStd	1	2	3	4	5	6	7
--------	---	---	---	---	---	---	---

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	54354	--	--	--	--	--	--
SDev	63.42969	--	--	--	--	--	--
%RSD	.1166970	--	--	--	--	--	--
#1	54399	--	--	--	--	--	--
#2	54309	--	--	--	--	--	--

Method: ICAP4HI Standard: TJA#1A
 Run Time: 11/13/00 09:44:18

Elem	As1890	B_2496	Ba4934	Ba3130	Cd2265	Co2286	Cr2677
Avge	.2613	1.506	3.627	7.027	5.480	1.399	1.277
SDev	.0021	.002	.004	.016	.017	.004	.004
%RSD	.7926	.1227	.0990	.2285	.3146	.3127	.3137
#1	.2598	1.505	3.630	7.015	5.468	1.396	1.274
#2	.2628	1.508	3.625	7.038	5.493	1.402	1.280

Elem	Cu3247	Mn2576	Mo2020	N12316	Sb2068	P11908	V_2924
Avge	1.361	.8784	.4906	1.702	.1504	.0932	.4706
SDev	.001	.0020	.0109	.004	.0004	.0002	.0015
%RSD	.0813	.2281	2.217	.2397	.2945	.2072	.3173
#1	1.360	.8770	.4829	1.699	.1501	.0930	.4695
#2	1.362	.8798	.4983	1.705	.1507	.0933	.4716

Elem	Zn2062	2203/1	2203/2	1960/1	1960/2
Avge	1.452	1.369	1.859	.4792	.2428
SDev	.008	.013	.001	.0087	.0098
%RSD	.5514	.9195	.0623	1.823	4.057
#1	1.446	1.360	1.860	.4730	.2358
#2	1.457	1.377	1.858	.4853	.2498

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	55551	--	--	--	--	--	--
SDev	69.58096	--	--	--	--	--	--
%RSD	.1252560	--	--	--	--	--	--
#1	55600	--	--	--	--	--	--
#2	55502	--	--	--	--	--	--

Method: ICAP4HI Standard: TJA#1B
 Run Time: 11/13/00 09:48:59

Elem	As1890	B_2496	Ba4934	Ba3130	Cd2265	Co2286	Cr2677
Avge	.5259	2.991	7.179	13.87	10.86	2.788	2.524
SDev	.0031	.007	.000	.01	.01	.004	.002
%RSD	.5978	.2287	.0068	.0949	.0709	.1454	.0610050
#1	.5237	2.996	7.178	13.86	10.86	2.785	2.523

Elem	Cu3247	Mn2576	Mo2020	Ni2316	Sb2068	Tl1908	V_2924
Avge	2.711	1.730	1.009	3.347	.3019	.1878	.9384
SDev	.001	.001	.009	.001	.0007	.0006	.0010
%RSD	.0514	.0598	.8949	.0161	.2317	.3291	.1047
#1	2.711	1.730	1.002	3.347	.3014	.1872	.9377
#2	2.712	1.731	1.015	3.346	.3024	.1880	.9391

Elem	Zn2062	2203/1	2203/2	1960/1	1960/2
Avge	2.884	2.727	3.717	.9903	.5098
SDev	.007	.001	.020	.0073	.0111
%RSD	.2283	.0314	.5461	.7327	2.171
#1	2.879	2.728	3.702	.9851	.5020
#2	2.888	2.727	3.731	.9954	.5178

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	55122	--	--	--	--	--	--
SDev	108.8254	--	--	--	--	--	--
%RSD	.1974280	--	--	--	--	--	--
#1	55045	--	--	--	--	--	--
#2	55199	--	--	--	--	--	--

Method: ICAP4HI Standard: TJA#1C
 Run Time: 11/13/00 09:53:42

Elem	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286	Cr2677
Avge	1.052	5.991	14.00	26.87	21.36	5.524	4.991
SDev	.006	.005	.03	.05	.07	.017	.015
%RSD	.5931	.0808	.1884	.1989	.3363	.3113	.2928
#1	1.047	5.995	14.02	26.83	21.31	5.512	4.981
#2	1.056	5.988	13.98	26.90	21.41	5.536	5.001

Elem	Cu3247	Mn2576	Mo2020	Ni2316	Sb2068	Tl1908	V_2924
Avge	5.384	3.370	2.025	6.630	.6054	.3732	1.859
SDev	.005	.006	.018	.013	.0020	.0016	.003
%RSD	.0921	.1792	.8697	.1958	.3287	.4195	.1859
#1	5.388	3.365	2.013	6.621	.6040	.3721	1.856
#2	5.381	3.374	2.038	6.639	.6068	.3743	1.861

Elem	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302	K_7664
Avge	5.692	5.398	7.364	1.997	1.033	2.485	1.875
SDev	.031	.015	.025	.013	.011	.008	.001
%RSD	.5361	.2864	.3336	.6443	1.020	.3316	.0366
#1	5.670	5.387	7.347	1.988	1.026	2.479	1.876
#2	5.713	5.409	7.382	2.006	1.041	2.491	1.875

Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
AVge	55248	--	--	--	--	--	--
SDev	23.96981	--	--	--	--	--	--
%RSD	.0433855	--	--	--	--	--	--
#1	55232	--	--	--	--	--	--
#2	55265	--	--	--	--	--	--

Method: ICAP4H1 Slope = Conc(SIR)/IR

Element	Wavelength	High std	Low std	Slope	Y-intercept	Date Standardized
g3280	328.068	Multiple Standards	Standards	.383999	.003489	11/13/00 09:28:11
l3082	308.215	Multiple Standards	Standards	4.13843	-.163008	11/13/00 09:40:08
s1890	189.042	Multiple Standards	Standards	4.74546	-.000822	11/13/00 09:53:42
_2496	249.678	Multiple Standards	Standards	.832449	-.001920	11/13/00 09:53:42
a4934	493.409	Multiple Standards	Standards	.349936	-.000224	11/13/00 09:53:42
e3130	313.042	Multiple Standards	Standards	.181421	-.000359	11/13/00 09:53:42
a3179	317.933	Multiple Standards	Standards	3.43783	-.023299	11/13/00 09:40:08
d2265	226.502	Multiple Standards	Standards	.230764	-.000179	11/13/00 09:53:42
o2286	228.616	Multiple Standards	Standards	.899301	.000210	11/13/00 09:53:42
r2677	267.716	Multiple Standards	Standards	.992776	-.005238	11/13/00 09:53:42
u7	324.753	Multiple Standards	Standards	.924665	-.003770	11/13/00 09:53:42
e274	271.441	Multiple Standards	Standards	8.22133	-.012413	11/13/00 09:40:08
g2790	279.078	Multiple Standards	Standards	4.43765	-.003235	11/13/00 09:40:08
n2576	257.610	Multiple Standards	Standards	1.45047	-.000542	11/13/00 09:53:42
o2020	202.030	Multiple Standards	Standards	2.49780	.000002	11/13/00 09:53:42
l2316	231.604	Multiple Standards	Standards	.745900	-.002101	11/13/00 09:53:42
b2203	220.353	Multiple Standards	Standards	1.00000	.000000	*NOT STANDARDIZED
b2068	206.838	Multiple Standards	Standards	8.23727	-.002786	11/13/00 09:53:42
e1960	196.026	Multiple Standards	Standards	1.00000	.000000	*NOT STANDARDIZED
l2881	288.158	Multiple Standards	Standards	8.34047	-.159264	11/13/00 09:40:08
l1908	190.864	Multiple Standards	Standards	13.3262	.008529	11/13/00 09:53:42
_2924	292.402	Multiple Standards	Standards	2.66727	.000233	11/13/00 09:53:42
n2062	206.200	Multiple Standards	Standards	.870300	-.003772	11/13/00 09:53:42
203/1	220.351	Multiple Standards	Standards	.918654	.000129	11/13/00 09:53:42
203/2	220.352	Multiple Standards	Standards	.674865	-.001578	11/13/00 09:53:42
960/1	196.021	Multiple Standards	Standards	2.53639	.007964	11/13/00 09:53:42
960/2	196.022	Multiple Standards	Standards	4.96662	-.001930	11/13/00 09:53:42
a3302	330.232	IJA#1C	STD1-BLANK	1.06580	.003020	11/13/00 09:53:42
_7664	766.491	TJA#1C	STD1-BLANK	.945054	.008914	11/13/00 09:53:42

Method: ICAP4H1

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
g3280	328.068	STD1-BLANK	.000000	-.000009	.000009
		TJA#3A	.250000	.250893	-.000893
		IJA#3B	.500000	.501774	-.001774
		TJA#3C	1.000000	.992879	.007121

00506

CorrCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
l3082	308.215	STD1-BLANK	.000000	.000145	-.000145
		TJA#2A	25.0000	25.0227	-.022707

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1890	189.042	STD1-BLANK	.000000	.000035	-.000035
		TJA#1A	1.25000	1.23917	.010826
		TJA#1B	2.50000	2.49476	.005238
		TJA#1C	5.00000	4.99003	.009971

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2496	249.678	STD1-BLANK	.000000	-.000026	.000026
		TJA#1A	1.25000	1.25216	-.002164
		TJA#1B	2.50000	2.48821	.011789
		TJA#1C	5.00000	4.98537	.014627

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
4934	493.409	STD1-BLANK	.000000	-.000158	.000158
		TJA#1A	1.25000	1.26910	-.019105
		TJA#1B	2.50000	2.51182	-.011817
		TJA#1C	5.00000	4.89995	.100052

CorCoef: 0.99989

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
3130	313.042	STD1-BLANK	.000000	-.000201	.000201
		TJA#1A	1.25000	1.27443	-.024434
		TJA#1B	2.50000	2.51576	-.015763
		TJA#1C	5.00000	4.87359	.126413

CorCoef: 0.99982

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
3179	317.933	STD1-BLANK	.000000	-.002849	.002849
		TJA#2A	25.0000	25.3537	-.353701
		TJA#2B	50.0000	50.1568	-.156822
		TJA#2C	100.000	98.2715	1.72845

CorCoef: 0.99992

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2265	226.502	STD1-BLANK	.000000	-.000117	.000117
		TJA#1A	1.25000	1.26450	-.014503
		TJA#1B	2.50000	2.50653	-.006530
		TJA#1C	5.00000	4.92893	.071072

CorCoef: 0.99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2286	228.616	STD1-BLANK	.000000	-.000057	.000057
		TJA#1A	1.25000	1.25814	-.008143
		TJA#1B	2.50000	2.50711	-.007109
		TJA#1C	5.00000	4.96821	.031792

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2677	267.716	STD1-BLANK	.000000	-.000094	.000094
		TJA#1A	1.25000	1.26243	-.012429

00507

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
u3247	324.753	STD1-BLANK	.000000	-.000038	.000038
		TJA#1A	1.25000	1.25454	-.004544
		TJA#1B	2.50000	2.50346	-.003457
		TJA#1C	5.00000	4.97491	.025089

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
e2714	271.441	STD1-BLANK	.000000	-.002245	.002245
		TJA#2A	25.0000	25.2753	-.275339
		TJA#2B	50.0000	50.1440	-.144035
		TJA#2C	100.000	98.6106	1.38943

CorCoef: 0.99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
g2790	279.078	STD1-BLANK	.000000	.000850	-.000850
		TJA#2A	25.0000	24.8961	.103926
		TJA#2B	50.0000	49.9432	.056801
		TJA#2C	100.000	100.529	-.529320

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
n2576	257.610	STD1-BLANK	.000000	-.000188	.000188
		TJA#1A	1.25000	1.27357	-.023570
		TJA#1B	2.50000	2.50931	-.009310
		TJA#1C	5.00000	4.88710	.112898

CorCoef: 0.99987

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
o2020	202.030	STD1-BLANK	.000000	.000160	-.000160
		TJA#1A	1.25000	1.22538	.024619
		TJA#1B	2.50000	2.51971	-.019711
		TJA#1C	5.00000	5.05905	-.059054

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
n2318	231.604	STD1-BLANK	.000000	-.000122	.000122
		TJA#1A	1.25000	1.26722	-.017216
		TJA#1B	2.50000	2.49406	.005945
		TJA#1C	5.00000	4.94303	.056975

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
b2203	220.353	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

CorCoef: 0.00000

00508

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
b2068	206.838	STD1-BLANK	.000000	.000038	-.000038
		TJA#1A	1.25000	1.23612	.013879

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960	196.026	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

CorCoef: 0.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
12881	288.158	STD1-BLANK	.000000	-.002572	.002572
		TJA#2A	42.8000	43.1251	-.325115
		TJA#2B	85.6000	85.7066	-.106651
		TJA#2C	171.200	169.686	1.51376

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
11908	190.864	STD1-BLANK	.000000	-.000012	.000012
		TJA#1A	1.25000	1.25021	-.000207
		TJA#1B	2.50000	2.50844	-.008441
		TJA#1C	5.00000	4.98229	.017712

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2924	292.402	STD1-BLANK	.000000	-.000056	.000056
		TJA#1A	1.25000	1.25541	-.005413
		TJA#1B	2.50000	2.50317	-.003166
		TJA#1C	5.00000	4.95852	.041483

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2062	206.200	STD1-BLANK	.000000	-.000079	.000079
		TJA#1A	1.25000	1.25956	-.009562
		TJA#1B	2.50000	2.50596	-.005960
		TJA#1C	5.00000	4.94983	.050169

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
20371	220.351	STD1-BLANK	.000000	-.000062	.000062
		TJA#1A	1.25000	1.25739	-.007388
		TJA#1B	2.50000	2.50552	-.005518
		TJA#1C	5.00000	4.95941	.040589

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
20372	220.352	STD1-BLANK	.000000	-.000037	.000037
		TJA#1A	1.25000	1.25312	-.003124
		TJA#1B	2.50000	2.50659	-.006588
		TJA#1C	5.00000	4.96833	.031673

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
96071	196.021	STD1-BLANK	.000000	.000180	-.000180
		TJA#1A	1.25000	1.22330	.026700

00500

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
orCoef: 0.99996					
960/2	196.022	STD1-BLANK	.000000	.000312	-.000312
		TJA#1A	1.25000	1.20402	.045984
		TJA#1B	2.50000	2.52996	-.029958
		TJA#1C	5.00000	5.12897	-.128971
orCoef: 0.99987					
Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
83302	330.232	STD1-BLANK	.001317	-.001598	.002915
		TJA#1C	2.65156	2.48503	.166533
Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
_7664	766.491	STD1-BLANK	-.017188	-.027598	.010430
		TJA#1C	1.78117	1.87529	-.094126

Method: ICAP4H1 Sample Name: ICB1
 Run Time: 11/13/00 10:26:27
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0015	-.0019	.0124	.0007	-.0001	.0095
SDev	.0006	.0005	.0002	.0002	.0000	.0000	.0003
%RSD	123.3	32.97	9.198	1.927	3.714	28.69	3.735

#1	-.0009	.0018	-.0018	.0125	.0007	-.0001	.0098
#2	-.0001	.0011	-.0020	.0122	.0007	-.0002	.0092

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0001	L-.0050	.0001	-.0160	-.0028	-.0004
SDev	.0000	.0003	.0000	.0004	.0036	.0022	.0000
%RSD	30.49	255.4	.0195	625.3	22.70	80.63	.2113

#1	-.0001	-.0003	L-.0050	-.0002	-.0186	-.0043	-.0004
#2	-.0001	.0001	L-.0050	.0003	-.0134	-.0012	-.0004

Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	-.0014	-.0007	-.0057	.0031	.3202	-.0018
SDev	.0003	.0004	.0015	.0006	.0007	.0004	.0031
%RSD	9.395	30.06	218.4	10.60	22.32	.1202	177.1

#1	.0030	-.0017	-.0018	-.0053	.0026	.3199	.0004
#2	.0026	-.0011	.0004	-.0062	.0036	.3204	-.0040

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0048	.0026	-.0026	.0082	.0003	.3256
SDev	.0001	.0001	.0008	.0027	.0019	.0020	.0027
%RSD	16.15	2.928	29.73	102.4	23.24	740.7	.8320

#1	.0005	.0047	.0032	-.0046	.0096	-.0011	.3275
#2	.0004	.0049	.0021	-.0007	.0069	.0017	.3236

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Units ppm
 Avge .1952
 SDev .0452
 %RSD 23.18

#1 .1633
 #2 .2272

Errors LC Pass
 High .5000
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	56234	--	--	--	--	--	--
SDev	237.8006	--	--	--	--	--	--
%RSD	.4228772	--	--	--	--	--	--
#1	56066	--	--	--	--	--	--
#2	56402	--	--	--	--	--	--

Method: ICAP4HI Standard: STD1-BLANK
 Run Time: 11/13/00 10:37:07

Elem	As1890	Cr2677	Fe2714	Mo2020	Ni2316	Sb2068	V_2924
Avge	.0005	.0000	.0000	.0008	.0002	.0001	.0001
SDev	.0000	.0007	.0012	.0002	.0000	.0004	.0001
%RSD	7.267	1622.	2660.	20.77	15.64	398.0	141.4

#1	.0006	-.0005	.0009	.0009	.0001	.0004	.0000
#2	.0005	.0006	-.0008	.0006	.0002	-.0002	.0002

Elem	2203/1	2203/2	Na3302	K_7664
Avge	-.0015	.0020	.0008	-.0267
SDev	.0072	.0031	.0034	.0010
%RSD	487.1	150.3	421.6	3.567

#1	-.0065	.0042	-.0016	-.0261
#2	.0036	-.0001	.0032	-.0274

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	54413	--	--	--	--	--	--
SDev	41.57567	--	--	--	--	--	--
%RSD	.0764070	--	--	--	--	--	--
#1	54384	--	--	--	--	--	--
#2	54443	--	--	--	--	--	--

Method: ICAP4HI Slope = Conc(SIR)/IR

Element	Wavelength	High std	Low std	Slope	Y-intercept	Date Standardized
As1890	189.042	Multiple	Standards	4.74927	-.002535	11/13/00 10:37:07
Cr2677	267.716	Multiple	Standards	.990426	-.000153	11/13/00 10:37:07
Fe2714	271.441	Multiple	Standards	8.21946	-.002655	11/13/00 10:37:07
Mo2020	202.030	Multiple	Standards	2.49981	-.001719	11/13/00 10:37:07
Ni2316	231.604	Multiple	Standards	.745258	-.000250	11/13/00 10:37:07
Sb2068	206.838	Multiple	Standards	8.22960	-.000801	11/13/00 10:37:07
V_2924	292.402	Multiple	Standards	2.66793	-.000299	11/13/00 10:37:07
2203/1	220.351	Multiple	Standards	.918158	.001287	11/13/00 10:37:07
2203/2	220.352	Multiple	Standards	.674813	-.001415	11/13/00 10:37:07
Na3302	330.232	TJA#1C	STD1-BLANK	1.06683	.000466	11/13/00 10:37:07
K_7664	766.491	TJA#1C	STD1-BLANK	.945476	.008122	11/13/00 10:37:07

Method: ICAP4HI

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	STD1-BLANK	.000000	.000040	-.000040
		TJA#1A	1.25000	1.23846	.011544
		TJA#1B	2.50000	2.49505	.004948
		TJA#1C	5.00000	4.99232	.007678

CorCoef: 1.00000

00613

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	STD1-BLANK	.000000	-.000108	.000108

CorCoef: 0.99997		TJA#1B	2.50000	2.49941	.000587
		TJA#1C	5.00000	4.94312	.056880
			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
e2714	271.441	STD1-BLANK	.000000	-.002273	.002273
		TJA#2A	25.0000	25.2793	-.279343
		TJA#2B	50.0000	50.1424	-.142376
		TJA#2C	100.000	98.5979	1.40212
CorCoef: 0.99995			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
e2020	202.030	STD1-BLANK	.000000	.000165	-.000165
		TJA#1A	1.25000	1.22464	.025356
		TJA#1B	2.50000	2.52001	-.020014
		TJA#1C	5.00000	5.06139	-.061395
CorCoef: 0.99996			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
e12316	231.604	STD1-BLANK	.000000	-.000127	.000127
		TJA#1A	1.25000	1.26797	-.017972
		TJA#1B	2.50000	2.49375	.006248
		TJA#1C	5.00000	4.94061	.059391
CorCoef: 0.99997			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
e2068	206.838	STD1-BLANK	.000000	.000032	-.000032
		TJA#1A	1.25000	1.23695	.013048
		TJA#1B	2.50000	2.48375	.016246
		TJA#1C	5.00000	4.98118	.018816
CorCoef: 1.00000			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
e2924	292.402	STD1-BLANK	.000000	-.000054	.000054
		TJA#1A	1.25000	1.25519	-.005193
		TJA#1B	2.50000	2.50326	-.003256
		TJA#1C	5.00000	4.95922	.040782
CorCoef: 0.99998			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
e203/1	220.351	STD1-BLANK	.000000	-.000066	.000066
		TJA#1A	1.25000	1.25787	-.007867
		TJA#1B	2.50000	2.50532	-.005322
		TJA#1C	5.00000	4.95789	.042110
CorCoef: 0.99998			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
e203/2	220.352	STD1-BLANK	.000000	-.000037	.000037
		TJA#1A	1.25000	1.25319	-.003192
		TJA#1B	2.50000	2.50656	-.006560
		TJA#1C	5.00000	4.96811	.031889
CorCoef: 0.99999			Known	Measured	Residual
Element	Wavelength	Standard	Signal	Signal	Signal
e3302	330.232	STD1-BLANK	.001317	.000798	.000519

00014

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
_7664	766.491	STD1-BLANK TJA#1C	-.017168 1.78117	-.026749 1.87529	.009581 -.094126

Method: ICP4HI Sample Name: ICB1
 Run Time: 11/13/00 10:41:40
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SU

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0029	-.0024	.0035	.0001	-.0002	-.0028
SDev	.0000	.0005	.0005	.0003	.0000	.0000	.0008
%RSD	873.6	17.54	19.98	9.620	35.58	1.210	20.35

#1	-.0000	-.0033	-.0028	.0037	.0001	-.0002	-.0024
#2	.0000	-.0026	-.0021	.0032	.0001	-.0002	-.0032

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0001	.0001	.0008	-.0018	-.0020	-.0005
SDev	.0000	.0002	.0002	.0001	.0038	.0021	.0000
%RSD	16.87	309.7	399.0	15.94	217.5	102.0	.0016

#1	-.0002	-.0001	.0002	.0007	.0009	-.0035	-.0005
#2	-.0001	.0002	-.0001	.0008	-.0045	-.0006	-.0005

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0001	-.0011	.0001	.0030	.0843	.0021
SDev	.0002	.0001	.0004	.0036	.0015	.0019	.0009
%RSD	125.8	91.10	30.96	3601.	50.81	2.270	41.22

#1	.0000	.0000	-.0014	-.0025	.0019	.0857	.0027
#2	.0002	.0002	-.0009	.0027	.0040	.0830	.0015

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0004	.0010	-.0025	.0055	.0014	.0873
SDev	.0003	.0003	.0027	.0019	.0004	.0024	.2532
%RSD	137.6	69.57	269.7	76.13	6.519	171.2	289.9

#1	-.0000	.0002	.0030	-.0039	.0058	-.0003	.2664
#2	-.0005	.0006	-.0009	-.0012	.0053	.0031	-.0917

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Units ppm
 Avge .1518
 SDev .0072
 %RSD 4.759

#1 .1569
 #2 .1467

Errors LC Pass
 High .5000
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	54818	--	--	--	--	--	--
SDev	5.093379	--	--	--	--	--	--
%RSD	.0092914	--	--	--	--	--	--
#1	54822	--	--	--	--	--	--
#2	54815	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CRDL1
 Run Time: 11/13/00 10:46:53
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.0887	L.0007	.1008	.0051	.0008	.1972
SDev	.0006	.0024	.0015	.0003	.0001	.0000	.0004
%RSD	23.98	2.731	219.2	.2907	2.301	1.790	.1856
#1	L.0022	.0870	L-.0004	.1006	.0050	.0008	.1975
#2	.0030	.0904	L.0018	.1010	.0052	.0009	.1970

Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	.0036	.1200	.0048	.1200	.0060	.0012	.2400
Low	.0024	.0800	.0032	.0800	.0040	.0008	.1600

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0018	.0053	.0055	.0444	.2924	.0049
SDev	.0001	.0005	.0001	.0005	.0079	.0026	.0001
%RSD	12.09	26.39	1.188	9.691	17.73	.8745	1.353
#1	.0008	L.0015	.0052	.0051	L.0388	.2906	.0049
#2	.0010	.0022	.0053	.0058	.0500	.2942	.0050

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0012	.0024	.0060	.0060	.0600	.3600	.0060
Low	.0008	.0016	.0040	.0040	.0400	.2400	.0040

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

00617

SDev	.0001	.0001	.0002	.0004	.0009	.002	.0020
%RSD	2.316	1.865	7.810	2.947	7.079	.1639	21.80
#1	.0042	.0055	.0028	H.0129	H.0123	1.094	L.0078
#2	.0043	.0054	.0032	H.0124	H.0136	1.096	.0107
Errors High	LC Pass	LC Pass	LC Pass	LC High	LC High	LC Pass	LC Pass
Low	.0060	.0060	.0036	.0120	.0120	1.284	.0120
	.0040	.0040	.0024	.0080	.0080	.8560	.0080
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.0171	.0071	.0007	.0166	.0109	H.7078
SDev	.0001	.0003	.0031	.0019	.0034	.0031	.1070
%RSD	6.480	1.500	43.99	276.4	20.53	28.16	15.12
#1	.0019	.0169	.0094	-.0007	.0190	.0087	H.7834
#2	.0020	.0172	.0049	.0021	.0142	.0131	H.6321
Errors High	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
Low	.0024	.0240					.6000
	.0016	.0160					.4000

Elem	K_7864
Units	ppm
Avg	H.6621
SDev	.0092
%RSD	1.388
#1	H.6556
#2	H.6686

Errors High	LC High
Low	.6000
	.4000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	56038	--	--	--	--	--	--
SDev	258.3757	--	--	--	--	--	--
%RSD	.4610731	--	--	--	--	--	--
#1	55855	--	--	--	--	--	--
#2	56221	--	--	--	--	--	--

Method: ICAP4HI Standard: STD1-BLANK
Run Time: 11/13/00 10:54:36

Elem	As1890	Sb2068	1960/1	1960/2	Na3302	K_7664
Avge	-.0003	.0004	-.0005	.0001	.0027	-.0263
SDev	.0003	.0002	.0008	.0008	.0001	.0004
%RSD	107.2	56.52	156.3	1420.	3.324	1.484
#1	-.0001	.0005	.0001	.0006	.0028	-.0261
#2	-.0005	.0002	-.0011	-.0005	.0026	-.0266

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	54488	--	--	--	--	--	--
SDev	29.69848	--	--	--	--	--	--
%RSD	.0545042	--	--	--	--	--	--
#1	54509	--	--	--	--	--	--
#2	54467	--	--	--	--	--	--

Method: ICAP4HI Slope = Conc(SIR)/IR

Wavelength	High std	Low std	Slope	Y-intercept	Date Standardized
189.042	Multiple Standards	Multiple Standards	4.74038	.001484	11/13/00 10:54:36
206.838	Multiple Standards	Multiple Standards	8.23804	-.002985	11/13/00 10:54:36
196.021	Multiple Standards	Multiple Standards	2.54403	.001531	11/13/00 10:54:36
196.022	Multiple Standards	Multiple Standards	4.96208	.000033	11/13/00 10:54:36
330.232	TJA#1C	STD1-BLANK	1.06764	-.001553	11/13/00 10:54:36
766.491	TJA#1C	STD1-BLANK	.945686	.007729	11/13/00 10:54:36

Method: ICAP4HI

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	STD1-BLANK	.000000	.000028	-.000028
		TJA#1A	1.25000	1.24013	.009868
		TJA#1B	2.50000	2.49438	.005624
		TJA#1C	5.00000	4.98697	.013030

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	STD1-BLANK	.000000	.000038	-.000038
		TJA#1A	1.25000	1.23604	.013962
		TJA#1B	2.50000	2.48412	.015881
		TJA#1C	5.00000	4.98411	.015889

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/1	196.021	STD1-BLANK	.000000	.000200	-.000200
		TJA#1A	1.25000	1.22053	.029472
		TJA#1B	2.50000	2.52083	-.020826
		TJA#1C	5.00000	5.08179	-.081785

CorCoef: 0.99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
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00519

TJA#1A	1.25000	1.20488	.045124
TJA#1B	2.50000	2.52960	-.029604
TJA#1C	5.00000	5.12624	-.126238

CorCoef: 0.99987

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
3302	330.232	STD1-BLANK	.001317	.002689	-.001372
		TJA#1C	2.65156	2.48503	.166533

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
_7664	766.491	STD1-BLANK	-.017168	-.026327	.009159
		TJA#1C	1.78117	1.87529	-.094126

Method: ICP4HI Sample Name: CRDL1

Operator: SD

Run Time: 11/13/00 10:58:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027	.0899	H.0063	.1008	.0051	.0008	.1967
SDev	.0005	.0030	.0008	.0007	.0001	.0000	.0000
%RSD	19.78	3.309	13.13	.6714	1.822	.2515	.0203

#1	.0030	.0920	H.0057	.1004	.0051	.0008	.1967
#2	L.0023	.0878	H.0069	.1013	.0050	.0008	.1967

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0036	.1200	.0048	.1200	.0060	.0012	.2400
Low	.0024	.0800	.0032	.0800	.0040	.0008	.1600

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0018	.0051	.0054	.0497	.2930	.0050
SDev	.0001	.0005	.0001	.0006	.0079	.0012	.0000
%RSD	6.631	27.19	2.486	11.37	15.95	.4238	.5616

#1	.0008	.0022	.0050	.0059	.0553	.2939	.0050
#2	L.0008	L.0015	.0052	.0050	.0441	.2921	.0049

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0012	.0024	.0060	.0060	.0600	.3600	.0060
Low	.0008	.0016	.0040	.0040	.0400	.2400	.0040

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	L.0038	.0055	.0031	.0095	H.0129	1.090	.0114
SDev	.0013	.0002	.0002	.0001	.0015	.001	.0040
%RSD	34.60	3.565	7.157	1.300	11.48	.0873	35.24

#1	L.0029	.0053	.0033	.0096	H.0140	1.090	.0085
#2	.0047	.0056	.0029	.0095	.0119	1.091	H.0142

Errors	LC Low	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0060	.0060	.0036	.0120	.0120	1.284	.0120
Low	.0040	.0040	.0024	.0080	.0080	.8560	.0080

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	.0171	.0052	.0018	.0095	.0144	H.6028
SDev	.0002	.0001	.0021	.0014	.0052	.0048	.0309
%RSD	10.81	.2961	39.67	73.76	54.86	33.37	5.126

#1	.0017	.0170	.0037	.0028	.0058	.0178	.5809
#2	.0019	.0171	.0066	.0009	.0131	.0110	H.6246

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	.0024	.0240					.6000
Low	.0016	.0160					.4000

SDev	.042	.006	.007	.013	.057	.0035	.009
%RSD	.8364	.1120	.1377	.2577	1.109	1.388	.1882
#1	5.019	4.938	5.006	5.014	5.079	.2490	5.026
#2	5.079	4.946	5.016	5.032	5.160	.2540	5.013
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	5.250	5.250	5.250	5.250	5.250		5.250
Low	4.750	4.750	4.750	4.750	4.750		4.750
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.972	4.998	4.981	5.026	5.080	5.139	100.0
SDev	.005	.002	.004	.013	.015	.078	.0
%RSD	.1035	.0481	.0889	.2500	.2912	1.513	.0341
#1	4.969	4.996	4.984	5.017	5.069	5.084	100.0
#2	4.976	4.999	4.978	5.034	5.090	5.194	99.98
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.250	5.250					105.0
Low	4.750	4.750					95.00

Elem	K_7664
Units	ppm
Avge	50.02
SDev	.07
%RSD	.1489
#1	50.07
#2	49.97

Errors	LC Pass
High	52.50
Low	47.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	55277	--	--	--	--	--	--
SDev	147.4318	--	--	--	--	--	--
%RSD	.2667147	--	--	--	--	--	--
#1	55173	--	--	--	--	--	--
#2	55381	--	--	--	--	--	--

Method: ICAP4HI Sample Name: IJA#2
 Date: 11/13/00 11:09:16
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

00523

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	99.65	.0303	.0068	.0070	.0087	98.45

%RSD	93.19	.0058	40.96	86.42	72.99	58.96	.0200
#1	.0010	99.64	.0390	.0110	.0106	.0121	98.46
#2	.0002	99.65	.0215	.0027	.0034	.0052	98.43
Errors High	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
Low		105.0					105.0
		95.00					95.00
Elem Units	Cd2265 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2714 ppm	Mg2790 ppm	Mn2576 ppm
Avge	.0069	.0089	.0100	.0097	98.82	101.1	.0120
SDev	.0049	.0052	.0055	.0056	.00	.1	.0050
%RSD	71.83	58.66	54.73	57.12	.0020	.0673	41.84
#1	.0103	.0126	.0139	.0137	98.82	101.1	.0156
#2	.0034	.0052	.0062	.0058	98.82	101.0	.0085
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
Low					105.0	105.0	
					95.00	95.00	
Elem Units	Mo2020 ppm	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2881 ppm	Tl1908 ppm
Avge	.0494	.0102	.0070	.0148	.0675	169.8	.0069
SDev	.0183	.0053	.0046	.0062	.0231	.4	.0005
%RSD	37.05	52.23	66.50	41.84	34.26	.2107	7.452
#1	.0623	.0140	.0103	.0192	.0838	169.5	.0073
#2	.0364	.0065	.0037	.0104	.0511	170.0	.0066
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
Low						180.0	
						162.0	
Elem Units	V_2924 ppm	Zn2062 ppm	2203/1 ppm	2203/2 ppm	1960/1 ppm	1960/2 ppm	Na3302 ppm
Avge	.0118	.0088	.0611	-.0203	.0632	.0695	.0629
SDev	.0051	.0049	.0038	.0051	.0143	.0274	.3041
%RSD	43.46	55.16	6.158	24.90	22.59	39.50	483.4
#1	.0154	.0122	.0637	-.0167	.0733	.0889	.2780
#2	.0082	.0054	.0584	-.0239	.0531	.0501	-.1521
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Low							
Elem Units	K_7664 ppm						
Avge	.2791						
SDev	.1067						
%RSD	38.24						
#1	.3546						
#2	.2036						

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	54010	--	--	--	--	--	--
SDev	36.27513	--	--	--	--	--	--
%RSD	.0671633	--	--	--	--	--	--
#1	53985	--	--	--	--	--	--
#2	54036	--	--	--	--	--	--

Method: ICAP4HI Sample Name: TJA#3
Run Time: 11/13/00 11:14:30
Comment:
Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9893	.1649	.0074	.0032	.0005	.0004	.1755
SDev	.0011	.0936	.0014	.0006	.0001	.0001	.0951
%RSD	.1125	56.78	18.91	20.30	25.93	36.56	54.21
#1	.9885	.2311	.0084	.0027	.0005	.0005	.2428
#2	.9901	.0987	.0084	.0036	.0004	.0003	.1082

Errors LC Pass NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
High 1.050
Low .9500

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0006	.0013	.0007	.1997	.1769	.0003
SDev	.0002	.0001	.0002	.0001	.1037	.0948	.0001
%RSD	49.89	19.04	13.55	15.58	51.95	53.59	53.28
#1	.0006	.0006	.0011	.0007	.2730	.2439	.0004
#2	.0003	.0007	.0014	.0008	.1263	.1098	.0002

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
High
Low

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0107	.0014	.0006	-.0040	.0150	.3152	.0035
SDev	.0012	.0006	.0008	.0035	.0012	.1759	.0021
%RSD	11.52	45.91	130.8	86.57	8.097	55.80	60.38

#1 .0116 .0018 .0012 -.0015 .0158 .4396 .0020
#2 .0099 .0009 .0000 -.0064 .0141 .1909 .0050

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK

10525

Low

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0008	.0027	-.0006	.0135	.0154	.0407
SDev	.0000	.0003	.0009	.0017	.0036	.0000	.0603
%RSD	6.108	40.20	34.10	265.7	26.36	.2086	148.3
#1	.0005	.0010	.0020	.0006	.0161	.0155	-.0020
#2	.0005	.0006	.0033	-.0018	.0110	.0154	.0833
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avge	.1743
SDev	.0424
%RSD	24.31

#1	.2043
#2	.1444

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	57218	--	--	--	--	--	--
SDev	4.242641	--	--	--	--	--	--
%RSD	.0074149	--	--	--	--	--	--
#1	57215	--	--	--	--	--	--
#2	57221	--	--	--	--	--	--

Method: ICP4HI Sample Name: ICV1
 Run Time: 11/13/00 11:19:44
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.428	2.453	2.471	2.611	2.484	2.526	2.512
SDev	.002	.004	.003	.004	.004	.000	.005
%RSD	.0644	.1566	.1151	.1470	.1696	.0148	.1913
#1	2.427	2.456	2.469	2.614	2.481	2.526	2.515
#2	2.429	2.451	2.473	2.608	2.487	2.526	2.508

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	2.625		2.625	2.750	2.625	2.625	
Low	2.375		2.375	2.250	2.375	2.375	

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.522	2.519	2.577	2.524	2.733	2.427	2.520
SDev	.001	.002	.000	.004	.007	.010	.000
%RSD	.0525	.0645	.0084	.1426	.2661	.4020	.0093

#1	2.523	2.520	2.577	2.521	2.738	2.434	2.520
#2	2.521	2.518	2.578	2.526	2.728	2.420	2.520

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.544	2.525	2.562	2.519	2.574	27.47	2.528
SDev	.018	.002	.010	.004	.037	.03	.009
%RSD	.7188	.0650	.3712	.1596	1.455	.0964	.3629

#1	2.531	2.526	2.556	2.516	2.548	27.45	2.535
#2	2.557	2.523	2.569	2.522	2.600	27.49	2.522

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.531	2.523	2.538	2.574	2.550	2.586	51.62
SDev	.002	.005	.006	.011	.027	.042	.13
%RSD	.0746	.2004	.2528	.4295	1.077	1.642	.2596

#1	2.530	2.527	2.534	2.566	2.531	2.556	51.72
#2	2.532	2.519	2.543	2.582	2.570	2.616	51.53

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avge	H26.77
SDev	.00
%RSD	.0150

#1	H26.77
#2	H26.77

Errors	LC High
High	26.25
Low	2.375

00627

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

Avg	55563	--	--	--	--	--	--
SD	51.97235	--	--	--	--	--	--
%RSD	.0935369	--	--	--	--	--	--
#1	55600	--	--	--	--	--	--
#2	55527	--	--	--	--	--	--

Method: ICAP4HJ Sample Name: IGV2 AL CA MG FE SI1 Operator: SD
 Run Time: 11/13/00 11:24:59
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039	48.34	.0206	.0225	.0035	.0043	47.75
SD	.0031	.08	.0084	.0025	.0025	.0023	.12
%RSD	78.44	.1556	40.83	11.17	69.89	54.03	.2468
#1	.0061	48.29	.0265	.0243	.0053	.0060	47.66
#2	.0017	48.40	.0146	.0208	.0018	.0027	47.83
Errors High	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
Low		52.50					52.50
		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034	.0092	.0091	.0047	48.66	48.69	.0907
SD	.0024	.0023	.0022	.0027	.11	.16	.0023
%RSD	70.30	25.22	24.31	57.18	.2331	.3218	2.555
#1	.0051	.0108	.0107	.0066	48.58	48.58	.0924
#2	.0017	.0075	.0075	.0028	48.74	48.80	.0891
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
Low					52.50	52.50	
					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0317	.0149	.0033	.0065	.0440	84.60	.0078
SD	.0101	.0028	.0023	.0051	.0179	.13	.0055
%RSD	31.86	18.63	69.39	78.24	40.55	.1593	70.95
#1	.0389	.0169	.0049	.0102	.0566	84.51	.0117
#2	.0246	.0130	.0017	.0029	.0314	84.70	.0039
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
Low						94.00	
						77.00	

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066	.0099	.0379	.0143	.0444	.0435	.1983
SD	.0026	.0025	.0006	.0031	.0131	.0202	.0761
%RSD	39.20	25.08	1.608	21.94	29.50	46.38	38.35

00523

#1	.0085	.0117	.0383	-.0120	.0537	.0578	.2521
#2	.0048	.0081	.0374	-.0165	.0352	.0293	.1446

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem K_7864
 Units ppm
 Avge .2670
 SDev .0323
 %RSD 12.09

#1	.2898
#2	.2441

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
W/en	371.030	---	---	---	---	---	---
Avge	56196	---	---	---	---	---	---
SDev	123.6746	---	---	---	---	---	---
%RSD	.2200790	---	---	---	---	---	---

#1	56108	---	---	---	---	---	---
#2	56283	---	---	---	---	---	---

Method: ICP4H(Sample Name: ICV3 AG1 Operator: SD
 Run Time: 11/13/00 11:30:14
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4871	.0739	.0062	.0063	.0002	.0001	.0857
SDev	.0006	.0437	.0021	.0001	.0001	.0000	.0447
%RSD	.1233	59.13	33.81	.8158	29.80	26.08	52.22

#1	.4867	.1048	.0077	.0064	.0002	.0002	.1173
#2	.4875	.0430	.0047	.0063	.0002	.0001	.0540

Errors LC Pass NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High .5250
 Low .4750

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0002	.0010	.0008	.1030	.0893	.0000
SDev	.0001	.0003	.0002	.0001	.0555	.0464	.0002
%RSD	24.84	116.4	17.95	18.04	53.88	51.96	351.9

#1	.0002	.0004	.0009	.0009	.1422	.1221	.0002
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00529

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078	.0010	.0005	.0008	.0100	.1730	.0047
SDev	.0003	.0000	.0001	.0007	.0020	.0855	.0008
%RSD	3.279	.5533	29.82	88.52	19.89	49.45	17.40

#1	.0080	.0010	.0004	.0003	.0115	.2335	.0042
#2	.0076	.0010	.0006	.0013	.0086	.1125	.0053

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0005	.0028	-.0010	.0109	.0094	.0707
SDev	.0003	.0003	.0005	.0000	.0030	.0045	.0675
%RSD	201.3	55.45	16.91	2.668	27.00	47.81	95.48

#1	-.0001	.0003	.0025	-.0009	.0089	.0125	.0230
#2	.0004	.0007	.0032	-.0010	.0130	.0062	.1185

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem	K_7664
Units	ppm
Avg	.1836
SDev	.0306
%RSD	16.64

#1	.1620
#2	.2052

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavelength	371.030	---	---	---	---	---	---
A	58012	---	---	---	---	---	---
SDev	255.8318	---	---	---	---	---	---
%RSD	.4410011	---	---	---	---	---	---

#1	57831	---	---	---	---	---	---
#2	58193	---	---	---	---	---	---

Method: ICP4HI Sample Name: IC5A1
 Run Time: 11/13/00 11:35:29
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SU

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	490.6	.0044	-.0454	-.0041	-.0007	438.2
SDev	.0008	.4	.0027	.0003	.0001	.0000	.1
%RSD	256.4	.0858	61.20	.5891	1.442	2.558	.0119
#1	.0009	490.9	.0025	-.0456	-.0041	-.0007	438.2
#2	-.0003	490.3	.0063	-.0452	-.0042	-.0007	438.3

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2578
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0011	.0000	.0025	-.0022	187.2	512.9	.0090
SDev	.0000	.0004	.0005	.0002	.1	.7	.0001
%RSD	1.890	1672.	21.84	7.102	.0544	.1398	.5617
#1	-.0011	.0003	.0021	-.0021	187.1	512.4	.0090
#2	-.0011	-.0003	.0028	-.0023	187.3	513.4	.0089

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					240.0	600.0	
Low					160.0	400.0	

Elem	Mo2020	Ni2318	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040	.0016	-.0101	-.0003	.0158	.0299	.0107
SDev	.0005	.0011	.0001	.0026	.0036	.0085	.0053
%RSD	13.34	70.79	.8226	748.6	22.51	28.41	49.85
#1	.0037	.0008	-.0101	.0015	.0133	.0359	.0144
#2	.0044	.0023	-.0102	-.0022	.0184	.0239	.0069

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.0057	.2778	-.1543	.0331	.0069	-.4384
SDev	.0001	.0001	.0038	.0020	.0001	.0053	.0940
%RSD	2.911	2.458	1.370	1.314	.2903	76.27	21.44
#1	.0020	.0058	.2751	-.1529	.0330	.0032	-.5048
#2	.0020	.0056	.2805	-.1558	.0331	.0107	-.3719

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Analysis Report

11/13/00 11:40:37 AM

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Units ppm
 Avge .1041
 SDev .0588
 %RSD 56.28

#1 .0627
 #2 .1455

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	50796	--	--	--	--	--	--
SDev	161.0077	--	--	--	--	--	--
%RSD	.3169701	--	--	--	--	--	--
#1	50682	--	--	--	--	--	--
#2	50910	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: ICSAB1
 Date Time: 11/13/00 11:40:44
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0523	484.8	.0518	.5222	.0470	.0499	436.2
SDev	.0000	.0	.0019	.0019	.0000	.0000	.1
%RSD	.0077	.0091	3.763	.3579	.0189	.0210	.0283
#1	.0523	484.7	.0504	.5209	.0470	.0499	436.2
#2	.0523	484.8	.0532	.5236	.0470	.0499	436.1

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	600.1	.0600	.6600	.0600	.0600	600.1
Low	.0400	400.0	.0400	.4400	.0400	.0400	400.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0460	.0474	.0522	.0513	186.3	510.8	.0577
SDev	.0002	.0003	.0000	.0001	.1	.2	.0001
%RSD	.3942	.6869	.0762	.1283	.0389	.0336	.0936
#1	.0461	.0472	.0522	.0514	186.4	511.0	.0577
#2	.0458	.0476	.0522	.0513	186.3	510.7	.0576

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	.0600	.0600	.0600	240.1	600.1	.0600
Low	.0400	.0400	.0400	.0400	160.0	400.0	.0400

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1904
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

00532

SDev	.0004	.0003	.0010	.0060	.0022	.0008	.0020
%RSD	.7162	.6942	2.872	11.43	3.608	.1301	3.703
#1	.0501	.0478	L.0352	.0483	H.0629	.5789	.0563
#2	.0496	.0473	L.0338	.0568	.0597	.5778	.0534

Errors	LC Pass	LC Pass	LC Low	LC Pass	LC High	LC Pass	LC Pass
High	.0600	.0600	.0600	.0600	.0600	.6480	.0600
Low	.0400	.0400	.0400	.0400	.0400	.4320	.0400

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0515	.0521	.3292	-.1131	.0845	.0494	13.11
SDev	.0003	.0006	.0012	.0009	.0040	.0013	.04
%RSD	.6746	1.123	.3612	.8075	4.722	2.675	.3427

#1	.0512	.0517	.3301	-.1124	.0873	.0503	13.07
#2	.0517	.0526	.3284	-.1137	.0817	.0484	13.14

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.0600	.0600					
Low	.0400	.0400					

Elem	K_7664
Units	ppm
Avge	9.529
SDev	.004
%RSD	.0442

#1	9.532
#2	9.526

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	51249	--	--	--	--	--	--
SDev	12.30532	--	--	--	--	--	--
%RSD	.0240107	--	--	--	--	--	--
#1	51241	--	--	--	--	--	--
#2	51258	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCB1

Operator: SD

Run Time: 11/13/00 11:46:00

Comment:

Mode: CONC Corr. Factor: 1

00630

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	H.9009	.0026	.0050	.0002	-.0001	H.9510

%RSD	79.10	51.89	115.9	7.970	18.73	67.10	51.94
#1	-.0001	H1.231	.0005	.0053	.0002	-.0000	H1.300
#2	-.0004	H.5703	H.0047	.0048	.0001	-.0001	H.6017
Errors High	LC Pass .0030	LC High .1000	LC Pass .0040	LC Pass .1000	LC Pass .0050	LC Pass .0010	LC High .5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Flem Units	Cd2285 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2714 ppm	Mg2790 ppm	Mn2576 ppm
Avge	.0000	-.0000	.0033	.0003	H.4071	H.9187	-.0001
SDev	.0001	.0000	.0003	.0001	.2074	.4762	.0001
%RSD	486.1	162.6	9.464	28.39	50.93	51.83	38.79
#1	.0001	-.0000	.0030	.0004	H.5538	H1.255	-.0001
#2	-.0000	.0000	.0035	.0003	H.2605	H.5820	-.0002
Errors High	LC Pass .0010	LC Pass .0020	LC Pass .0050	LC Pass .0050	LC High .0500	LC High .5000	LC Pass .0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Flem Units	Mo2020 ppm	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2881 ppm	Tl1908 ppm
Avge	.0034	.0012	-.0011	-.0019	.0051	.0979	.0019
SDev	.0002	.0002	.0002	.0044	.0026	.0021	.0054
%RSD	5.684	17.91	15.31	236.1	50.00	2.167	276.4
#1	.0036	.0014	-.0012	.0013	.0070	.0994	.0057
#2	.0033	.0011	-.0010	-.0050	.0033	.0964	-.0019
Errors High	LC Pass .0050	LC Pass .0050	LC Pass .0030	LC Pass .0100	LC Pass .0100	LC Pass 1.000	LC Pass .0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Flem Units	V_2924 ppm	Zn2062 ppm	2203/1 ppm	2203/2 ppm	1960/1 ppm	1960/2 ppm	Na3302 ppm
Avge	-.0003	.0020	.0015	-.0027	.0028	.0061	-.1078
SDev	.0001	.0001	.0004	.0000	.0048	.0014	.0848
%RSD	22.97	6.229	28.75	.2211	171.0	23.77	78.65
#1	-.0002	.0019	.0012	-.0027	.0062	.0071	-.0479
#2	-.0003	.0021	.0018	-.0027	-.0006	.0050	-.1678
Errors High	LC Pass .0020	LC Pass .0200	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass .5000
Low	-.0020	-.0200					-.5000
Flem Units	K_7664 ppm						
Avge	.1768						
SDev	.0212						
%RSD	11.99						
#1	.1918						
#2	.1618						

00634

Errors LC Pass
High .5000
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	56261	---	---	---	---	---	---
SDev	74.03353	---	---	---	---	---	---
%RSU	.1315888	---	---	---	---	---	---
#1	56209	---	---	---	---	---	---
#2	56314	---	---	---	---	---	---

Method: ICAP4HI Sample Name: CCB1
Run Time: 11/13/00 11:51:17
Comment:
Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0507	.0008	.0009	-.0002	-.0002	.0601
SDev	.0003	.0017	.0005	.0003	.0000	.0000	.0011
%RSU	40.78	3.338	87.88	33.17	2.433	4.594	1.814

#1	-.0005	.0495	.0002	.0011	-.0002	-.0002	.0608
#2	-.0009	.0519	.0009	.0007	-.0002	-.0002	.0593

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0003	H.0052	.0003	.0334	.0600	-.0002
SDev	.0001	.0000	.0001	.0001	.0027	.0011	.0000
%RSU	55.27	17.39	1.338	27.88	8.199	1.793	7.922

#1	-.0001	-.0003	H.0053	.0004	.0353	.0607	-.0002
#2	-.0002	-.0002	H.0052	.0003	.0314	.0592	-.0002

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0017	-.0006	-.0020	.0036	-.0099	.0004
SDev	.0006	.0006	.0004	.0012	.0003	.0018	.0030
%RSU	32.23	32.13	63.98	57.95	8.881	17.92	722.9

#1	.0021	.0021	-.0003	-.0012	.0038	-.0112	.0025
#2	.0013	.0013	-.0009	-.0028	.0034	-.0087	-.0016

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0004	.0041	-.0032	.0014	.0045	-.0566
SDev	.0001	.0002	.0012	.0000	.0006	.0008	.1407
%RSD	97.02	44.49	30.12	.3338	41.48	17.18	248.7

#1	-.0000	-.0005	.0049	-.0032	.0010	.0050	.0429
#2	-.0002	-.0003	.0032	-.0032	.0018	.0039	-.1560

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	.1244
SDev	.0441
%RSD	35.47

#1	.1556
#2	.0932

Errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avg	55792	--	--	--	--	--	--
SDev	204.2848	--	--	--	--	--	--
%RSD	.3661559	--	--	--	--	--	--
#1	55647	--	--	--	--	--	--
#2	55936	--	--	--	--	--	--

Method: ICAP4HI Sample Name: BLK A000925GCP1 Operator: SD
 Run Time: 11/13/00 11:56:31
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0046	.0013	-.0003	.0000	-.0002	.0377
SDev	.0000	.0047	.0016	.0002	.0000	.0000	.0057
%RSD	27.50	102.8	124.6	56.20	155.8	3.484	15.08
#1	-.0001	.0080	.0002	-.0004	-.0000	-.0002	.0417
#2	-.0002	.0013	.0024	-.0002	.0000	-.0002	.0337

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

00636

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0001	-.0003	.0013	.0033	.0200	-.0004
SDev	.0001	.0001	.0003	.0001	.0004	.0046	.0000
%RSD	81.15	100.8	115.7	10.78	12.39	23.06	4.916

#1	-.0000	.0001	-.0005	.0012	.0036	.0233	-.0004
#2	-.0001	.0000	-.0001	.0014	.0030	.0168	-.0003

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0001	.0001	-.0017	.0015	.0079	.0019
SDev	.0006	.0007	.0005	.0006	.0016	.0034	.0036
%RSD	613.0	552.2	410.9	35.15	108.7	43.60	191.1

#1	.0005	-.0004	-.0002	-.0013	.0003	.0104	-.0007
#2	-.0003	.0006	.0004	-.0021	.0026	.0055	.0044

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0018	.0005	-.0004	-.0041	.0040	-.1376
SDev	.0005	.0001	.0024	.0005	.0022	.0013	.2391
%RSD	75.83	4.217	449.9	143.1	53.35	32.70	173.7

#1	-.0010	.0018	-.0012	.0000	-.0056	.0031	-.3067
#2	-.0003	.0019	.0023	-.0007	-.0025	.0050	.0315

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	.1552
SDev	.0126
%RSD	8.115

#1	.1641
#2	.1463

Errors	LC Pass
High	50.00
Low	-.5000

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

00537

Avge	58071	--	--	--	--	--	--
SDev	70.42618	--	--	--	--	--	--
%RSD	.1212760	--	--	--	--	--	--
#1	58021	--	--	--	--	--	--
#2	58121	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110084-1 Operator: SD
 Run Time: 11/13/00 12:01:45
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	1.380	.0026	1.106	.0829	-.0002	28.79
SDev	.0003	.004	.0014	.005	.0001	.0000	.03
%RSD	48.42	.2863	52.49	.4422	.0596	5.669	.1100
#1	.0005	1.378	.0036	1.102	.0829	-.0002	28.77
#2	.0010	1.383	.0016	1.109	.0829	-.0002	28.81

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0004	.0033	.0415	.3245	20.62	.0273
SDev	.0000	.0001	.0001	.0004	.0075	.02	.0000
%RSD	20.75	18.59	1.570	.9429	2.324	.0990	.0118
#1	.0002	.0004	.0032	.0412	.3192	20.60	.0273
#2	.0001	.0005	.0033	.0418	.3299	20.63	.0273

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0036	.0047	.0013	-.0015	.0037	20.93	.0004
SDev	.0008	.0001	.0002	.0027	.0001	.01	.0022
%RSD	23.16	1.274	12.75	176.7	3.180	.0483	495.7
#1	.0030	.0046	.0014	-.0034	.0038	20.92	-.0011
#2	.0042	.0047	.0012	.0004	.0037	20.93	.0020

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0034	.0914	.0058	-.0012	.0007	.0051	H129.7
SDev	.0001	.0007	.0012	.0004	.0029	.0016	.10
%RSD	4.260	.7846	20.76	28.94	420.7	32.29	.1047

#1	.0035	.0909	.0067	-.0015	-.0014	.0062	H129.8
#2	.0033	.0919	.0049	-.0010	.0028	.0039	H129.6

Errors High	LC Pass 5.000	LC Pass 5.000	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High 100.0
Errors Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge 19.21
 SDev .03
 %RSD .1411

#1 19.23
 #2 19.19

Errors High	LC Pass 50.00
Errors Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wan	371.030	--	--	--	--	--	--
Avge	56257	--	--	--	--	--	--
SDev	177.7655	--	--	--	--	--	--
%RSD	.3159905	--	--	--	--	--	--

#1 56131 -- -- -- -- -- --
 #2 56382 -- -- -- -- -- --

Method: ICAP4HI Sample Name: A110086-1 Operator: SD
 Run Time: 11/13/00 12:06:58
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0376	.0024	1.138	.0219	-.0002	27.03
SDev	.0002	.0015	.0031	.001	.0001	.0000	.03
%RSD	10100.	3.881	130.0	.0891	.5751	4.653	.1063

#1 .0002 .0386 .0046 1.138 .0220 -.0002 27.05
 #2 -.0002 .0366 .0002 1.139 .0218 -.0002 27.01

Errors High	LC Pass 1.000	LC Pass 100.0	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 100.0
Errors Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0005	.0006	.0055	.1413	20.33	.0214
SDev	.0001	.0001	.0003	.0003	.0036	.04	.0001
%RSD	45.16	19.46	42.09	5.372	2.579	.1780	.2965

#1 -.0001 .0004 .0008 .0057 1.439 20.35 .0215

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	.0048	.0003	.0004	.0029	20.43	.0049
SDev	.0002	.0003	.0000	.0017	.0007	.01	.0008
%RSD	5.721	6.397	6.458	409.5	24.86	.0660	17.57
#1	.0031	.0050	.0003	.0016	.0034	20.44	.0043
#2	.0029	.0046	.0004	-.0008	.0024	20.42	.0055

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.0181	.0023	-.0009	-.0042	.0062	H146.7
SDev	.0003	.0001	.0011	.0006	.0001	.0011	.5
%RSD	10.88	.8369	46.76	65.27	1.918	17.65	.3180
#1	.0024	.0182	.0031	-.0013	-.0043	.0069	H147.0
#2	.0021	.0180	.0016	-.0005	-.0041	.0054	H146.3

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	19.65
SDev	.02
%RSD	.1244
#1	19.63
#2	19.66

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
W/en	371.030	---	---	---	---	---	---
A	55824	---	---	---	---	---	---
SDev	161.4303	---	---	---	---	---	---
%RSD	.2891764	---	---	---	---	---	---
#1	55710	---	---	---	---	---	---
#2	55938	---	---	---	---	---	---

1640

Method: ICAP4HI Sample Name: CCB1
 Run Time: 11/13/00 12:12:12
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0043	.0034	.0052	.0002	-.0002	.0549
SDev	.0003	.0014	.0021	.0012	.0000	.0000	.0281
%RSD	251.2	32.39	62.64	24.05	6.832	5.859	51.23

#1	-.0001	-.0053	H.0049	.0060	.0002	-.0002	.0747
#2	.0004	-.0033	.0019	.0043	.0002	-.0002	.0350

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0001	-.0003	.0007	.0022	.0409	-.0004
SDev	.0002	.0001	.0005	.0001	.0029	.0191	.0000
%RSD	215.4	142.6	144.5	15.66	130.9	46.84	.1285

#1	-.0002	-.0000	.0000	.0007	.0002	.0544	-.0004
#2	.0000	.0002	-.0007	.0008	.0043	.0273	-.0004

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1980	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0004	-.0002	-.0013	.0023	.1230	.0007
SDev	.0004	.0002	.0000	.0032	.0014	.0202	.0005
%RSD	87.62	37.03	8.803	252.4	61.69	16.45	73.59

#1	.0007	-.0005	-.0002	-.0036	.0034	.1373	.0003
#2	.0002	-.0003	-.0001	.0010	.0013	.1087	.0011

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0014	-.0015	.0002	-.0057	.0081	.1447
SDev	.0005	.0002	.0029	.0015	.0023	.0010	.4332
%RSD	137.5	13.38	199.7	630.2	40.07	16.84	299.4

#1	-.0000	.0012	.0006	-.0008	-.0041	.0068	.4510
#2	-.0007	.0015	-.0035	.0013	-.0073	.0054	-.1617

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

641

SDev	.0001	.0008	.0002	.0000	.0012	.0050	.0008
%RSD	273.1	1457.	46.95	.0830	52.81	5.821	32.76
#1	-.0001	-.0006	-.0006	-.0014	.0032	.0903	.0019
#2	.0000	.0005	-.0003	-.0014	.0014	.0832	.0031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0054	.0009	-.0014	-.0015	.0040	-.0620
SDev	.0005	.0002	.0030	.0012	.0004	.0016	.0972
%RSD	244.7	2.876	323.5	82.56	24.70	40.93	157.0
#1	-.0006	.0055	-.0012	-.0006	-.0012	.0051	-.1307
#2	.0002	.0053	.0030	-.0022	-.0017	.0028	.0068

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	.2003
SDev	.0143
%RSD	7.144
#1	.2104
#2	.1902

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	58538	--	--	--	--	--	--
SDev	122.6112	--	--	--	--	--	--
%RSD	.2094543	--	--	--	--	--	--
#1	58452	--	--	--	--	--	--
#2	58625	--	--	--	--	--	--

Method: LCAP4HI Sample Name: A10086/-1 X2 Operator: SD
 Date: 11/13/00 12:22:40
 Comment:
 Mode: CONC Corr. Factor: 2

00643

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	1.001	.0048	.0304	.0332	-.0004	2.914

%RSD	192.0	.0262	89.30	.0203	.5956	3.184	.0630
#1	-.0001	1.001	.0078	.0304	.0331	-.0004	2.916
#2	.0007	1.001	.0018	.0304	.0334	-.0005	2.913
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	.0020	.0038	.0181	2.235	.8732	.0652
SDev	.0000	.0004	.0007	.0013	.028	.0046	.0000
%RSD	.9057	19.10	18.47	7.069	1.236	.5226	.0565

#1	.0046	.0017	.0043	.0172	2.216	.8700	.0651
#2	.0046	.0023	.0033	.0190	2.255	.8764	.0652

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0065	.0177	.0029	.0076	5.669	.0061
SDev	.0008	.0003	.0005	.0002	.0013	.035	.0063
%RSD	249.9	3.847	2.664	6.475	17.29	.6229	103.6

#1	.0009	.0063	.0173	.0027	.0067	5.693	.0106
#2	-.0003	.0067	.0180	.0030	.0085	5.644	.0016

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0048	8.098	.0205	.0160	.0028	.0095	4.528
SDev	.0002	.003	.0034	.0022	.0076	.0018	.256
%RSD	4.217	.0423	16.53	14.11	266.6	18.37	5.660

#1	.0049	8.101	.0229	.0144	-.0025	.0107	4.709
#2	.0046	8.096	.0181	.0175	.0082	.0083	4.347

Elem	K_7664
Units	ppm
Avge	.9719
SDev	.0063
%RSD	.6523

#1	.9764
#2	.9674

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	56440	--	--	--	--	--	--
SDev	92.48736	--	--	--	--	--	--
%RSD	.1638687	--	--	--	--	--	--
#1	56375	--	--	--	--	--	--
#2	56505	--	--	--	--	--	--

Code: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	1.086	.0072	.0519	.0421	-.0005	4.462
SDev	.0008	.003	.0018	.0008	.0000	.0000	.005
%RSD	109.1	.3157	24.74	1.532	.0052	4.156	.1080

#1	.0002	1.084	.0085	.0525	.0421	-.0004	4.465
#2	.0014	1.089	.0060	.0513	.0421	-.0005	4.458

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027	.0031	.0042	.0209	2.435	1.198	.1095
SDev	.0000	.0002	.0002	.0002	.011	.000	.0001
%RSD	1.267	5.656	5.157	1.069	.4451	.0308	.0601

#1	.0027	.0030	.0040	.0208	2.443	1.198	.1095
#2	.0027	.0032	.0043	.0211	2.428	1.198	.1094

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0088	.0174	.0030	.0032	5.177	.0085
SDev	.0000	.0010	.0011	.0021	.0077	.031	.0103
%RSD	3.937	11.04	6.227	68.96	239.5	.6025	121.7

#1	-.0002	.0095	.0182	.0045	.0087	5.199	.0158
#2	-.0002	.0081	.0166	.0015	-.0022	5.155	.0012

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052	7.630	.0227	.0143	-.0060	.0074	5.801
SDev	.0003	.017	.0011	.0011	.0004	.0113	.143
%RSD	4.858	.2217	4.938	7.425	7.216	153.8	2.457

#1	.0051	7.642	.0235	.0151	-.0057	.0154	5.901
#2	.0054	7.618	.0219	.0136	-.0063	-.0008	5.700

Elem	K_7664
Units	ppm
Avg	1.822
SDev	.052
%RSD	2.837

#1	1.858
#2	1.785

IntStd	1	2	3	4	5	6	7
Counts		NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Y		--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avg	56430	--	--	--	--	--	--
SDev	107.7647	--	--	--	--	--	--
%RSD	.1909706	--	--	--	--	--	--

00545

Method: ICAP4HI Sample Name: A100683-2 Operator: SD
 Run Time: 11/13/00 12:33:09
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.1416	.0033	.2471	.0653	-.0002	19.38
SDev	.0006	.0035	.0002	.0001	.0001	.0000	.00
%RSD	379.0	2.446	7.109	.0190	.0891	3.754	.0157

#1	.0005	.1441	.0035	.2471	.0653	-.0002	19.38
#2	-.0002	.1392	.0032	.2471	.0652	-.0002	19.38

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2/14	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0004	.0045	.0444	.2926	11.56	.0174
SDev	.0001	.0004	.0001	.0003	.0036	.01	.0001
%RSD	58.71	94.84	2.175	.7817	1.230	.1163	.5212

#1	.0002	.0006	.0045	.0447	.2951	11.57	.0175
#2	.0001	.0001	.0046	.0442	.2900	11.55	.0174

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0043	.0024	-.0031	.0028	18.68	.0065
SDev	.0001	.0005	.0006	.0008	.0010	.00	.0008
%RSD	137.3	10.71	25.35	26.42	37.01	.0005	12.79

#1	.0002	.0046	.0028	-.0025	.0035	18.68	.0059
#2	.0000	.0039	.0020	-.0037	.0021	18.68	.0071

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062	.7142	.0048	.0009	-.0002	.0041	47.24
SDev	.0001	.0030	.0022	.0020	.0005	.0018	.01
%RSD	2.147	.4191	45.15	215.4	241.4	43.83	.0309

#1	.0061	.7163	.0033	.0024	-.0005	.0054	47.23
#2	.0062	.7121	.0064	-.0005	.0001	.0028	47.25

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0

00548

Elem K_7864
Units ppm
Avge H55.15
SDev .01
%RSD .0219

#1 H55.16
#2 H55.14

Errors LC High
High 50.00
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	56639	--	--	--	--	--	--
SDev	1.270583	--	--	--	--	--	--
%RSD	.0022433	--	--	--	--	--	--
#1	56639	--	--	--	--	--	--
#2	56640	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A100686-1
Run Time: 11/13/00 12:38:24
Comment:
Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1596	.0698	.0028	.1597	.0652	-.0002	25.74
SDev	.0006	.0028	.0031	.0003	.0001	.0000	.01
%RSD	.3975	3.992	110.0	.1883	.2107	6.469	.0551
#1	.1600	.0718	.0050	.1595	.0653	-.0002	25.73
#2	.1591	.0679	.0006	.1599	.0651	-.0002	25.75

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0000	.0006	.0167	.2185	14.81	.0056
SDev	.0002	.0004	.0001	.0008	.0107	.01	.0001
%RSD	293.2	1731.	26.29	4.818	4.946	.0536	1.729
#1	.0001	.0003	.0005	.0173	.2241	14.81	.0057
#2	-.0002	-.0003	.0007	.0162	.2089	14.80	.0055

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

10347

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0014	.0006	-.0030	.0005	7.076	.0012
SDev	.0005	.0004	.0007	.0017	.0014	.010	.0006
%RSD	107.7	26.55	130.5	55.26	287.7	.1370	53.25
#1	.0008	.0011	.0000	-.0018	-.0005	7.082	.0008
#2	.0001	.0016	.0011	-.0042	.0015	7.069	.0017

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	.0227	.0030	-.0009	-.0021	.0015	H102.9
SDev	.0000	.0009	.0047	.0012	.0056	.0007	.2
%RSD	1.331	3.950	156.3	134.7	270.6	44.24	.2316
#1	.0027	.0234	-.0003	-.0000	-.0060	.0020	H102.7
#2	.0028	.0221	.0063	-.0018	.0019	.0011	H103.0

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	7.942
SDev	.045
%RSD	.5683
#1	7.973
#2	7.910

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	56336	--	--	--	--	--	--
SDev	112.0074	--	--	--	--	--	--
%RSD	.1988220	--	--	--	--	--	--
#1	56415	--	--	--	--	--	--
#2	56256	--	--	--	--	--	--

Method: [CAP4H] Sample Name: A100690-1
 Run Time: 11/13/00 12:43:39
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

06 48

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
------	--------	--------	--------	--------	--------	--------	--------

Avge	.0005	1.199	.0063	.0412	.0271	-.0002	9.526
SDev	.0005	.003	.0021	.0011	.0000	.0000	.010
%RSD	99.05	.2199	32.93	2.634	.0402	.9211	.1016
#1	.0002	1.201	.0078	.0404	.0271	-.0002	9.519
#2	.0009	1.198	.0048	.0420	.0271	-.0002	9.533
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0016	.0043	.0192	1.807	2.509	.0909
SDev	.0001	.0003	.0005	.0002	.020	.000	.0003
%RSD	603.1	19.95	12.24	1.083	1.131	.0141	.2966
#1	-.0001	.0014	.0040	.0191	1.793	2.509	.0907
#2	.0001	.0018	.0047	.0194	1.822	2.509	.0911
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0076	.0036	-.0002	.0028	7.374	.0046
SDev	.0004	.0009	.0004	.0016	.0003	.022	.0013
%RSD	108.1	11.68	12.12	823.0	10.15	.3033	28.19
#1	.0001	.0070	.0033	-.0013	.0026	7.390	.0037
#2	.0006	.0082	.0039	.0009	.0030	7.358	.0055
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0068	.3231	.0074	.0015	-.0022	.0051	5.266
SDev	.0008	.0019	.0014	.0000	.0030	.0011	.161
%RSD	11.12	.6017	18.64	2.138	135.1	21.29	3.051
#1	.0062	.3218	.0064	.0015	-.0043	.0058	5.153
#2	.0073	.3245	.0083	.0015	-.0001	.0043	5.380
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	3.750						
SDev	.020						
%RSD	.5363						

#2 3.764

Errors LC Pass
High 50.00
Low -.5000

Table with 8 columns: IntStd, Mode, Elem, Wavlen, Avge, SDev, %RSD, and 7 numbered columns. Rows include #1 and #2 for various elements.

Method: ICAP4HI Sample Name: CCB1
Run Time: 11/13/00 12:48:55
Comment:
Mode: CONC Corr. Factor: 1

Operator: SD

Table with 8 columns: Elem, Units, Ag3280, Al3082, As1890, B_2496, Ba4934, Be3130, Ca3179. Rows include #1 and #2.

Table with 8 columns: #1, #2, and 6 numbered columns. Rows include #1 and #2.

Table with 8 columns: Errors, High, Low, and 6 numbered columns. Rows include High and Low values.

Table with 8 columns: Elem, Units, Cd2265, Co2286, Cr2677, Cu3247, Fe2714, Mg2790, Mn2576. Rows include #1 and #2.

Table with 8 columns: #1, #2, and 6 numbered columns. Rows include #1 and #2.

Table with 8 columns: Errors, High, Low, and 6 numbered columns. Rows include High and Low values.

Table with 8 columns: Elem, Units, Mo2020, Ni2316, Pb2203, Sb2068, Se1960, Si2881, Ti1908. Rows include #1 and #2.

Table with 8 columns: #1, #2, and 6 numbered columns. Rows include #1 and #2.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0005	.0043	-.0027	-.0021	.0027	.1192
SDev	.0000	.0003	.0000	.0008	.0012	.0040	.0339
%RSD	19.42	50.82	.0623	28.18	57.94	148.7	28.43

#1	.0001	.0007	.0043	-.0022	-.0030	-.0001	.1432
#2	.0002	.0003	.0043	-.0032	-.0013	.0056	.0952

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	.1151
SDev	.0349
%RSD	30.31

#1	.1398
#2	.0904

Errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	55624	--	--	--	--	--	--
SDev	57.27565	--	--	--	--	--	--
%RSD	.1029689	--	--	--	--	--	--
#1	55584	--	--	--	--	--	--
#2	55665	--	--	--	--	--	--

Method: [CAP4H] Sample Name: CCV4
 Run Time: 11/13/00 12:54:11
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4869	-.0139	2.481	2.495	2.448	2.482	.0014
SDev	.0005	.0027	.009	.001	.004	.002	.0008
%RSD	.0962	19.63	.3684	.0263	.1708	.0778	54.39
#1	.4866	-.0120	2.475	2.496	2.445	2.481	.0019
#2	.4873	-.0159	2.488	2.495	2.451	2.483	.0009

10-51

High	.5250		2.625	2.750	2.625	2.625	
Low	.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.492	2.484	2.483	2.472	.2077	-.0031	2.478
SDev	.001	.002	.001	.004	.0058	.0014	.001
%RSD	.0438	.0820	.0593	.1603	2.804	44.18	.0511

#1	2.491	2.483	2.482	2.489	.2118	-.0021	2.477
#2	2.493	2.486	2.484	2.475	.2036	-.0040	2.479

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.487	2.486	2.492	2.489	2.504	.0953	2.492
SDev	.030	.000	.006	.007	.047	.0050	.004
%RSD	1.210	.0194	.2369	.2985	1.895	5.231	.1664

#1	2.486	2.486	2.488	2.483	2.471	.0988	2.495
#2	2.508	2.487	2.496	2.494	2.538	.0918	2.489

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2082	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.481	2.489	2.467	2.504	2.491	2.510	51.66
SDev	.002	.000	.002	.008	.023	.060	.02
%RSD	.0852	.0095	.0805	.3155	.9311	2.374	.0392

#1	2.479	2.489	2.466	2.498	2.475	2.468	51.64
#2	2.482	2.489	2.469	2.509	2.508	2.553	51.67

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7864
Units	ppm
Avg	25.73
SDev	.02
%RSD	.0639

#1	25.72
#2	25.74

Errors	LC Pass
High	26.25
Low	23.75

Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	55454	--	--	--	--	--	--
SDev	43.27438	--	--	--	--	--	--
%RSD	.0780364	--	--	--	--	--	--
#1	55424	--	--	--	--	--	--
#2	55485	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCV5 Operator: SD
 Run Time: 11/13/00 12:59:26
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	49.44	.0210	.0043	.0032	.0042	50.05
SDev	.0000	.04	.0081	.0018	.0023	.0023	.10
%RSD	3.913	.0802	38.63	42.93	72.57	55.53	.2005

#1	.0005	49.42	.0267	.0056	.0048	.0058	49.97
#2	.0006	49.47	.0152	.0030	.0016	.0025	50.12

Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	.0043	.0051	.0042	50.14	50.20	.0056
SDev	.0021	.0020	.0024	.0016	.10	.15	.0023
%RSD	70.02	46.23	46.62	38.66	.1921	.2931	40.14

#1	.0045	.0057	.0068	.0054	50.07	50.09	.0072
#2	.0015	.0029	.0034	.0031	50.21	50.30	.0040

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0323	.0056	.0033	.0036	.0474	86.05	.0087
SDev	.0122	.0020	.0026	.0012	.0189	.16	.0005
%RSD	37.70	35.56	79.81	34.69	39.88	.1908	6.233

#1	.0409	.0069	.0051	.0044	.0608	85.93	.0083
#2	.0237	.0042	.0014	.0027	.0340	86.16	.0091

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

0053

SDev	.0028	.0022	.0052	.0013	.0174	.0197	.1244
%RSD	50.49	32.46	14.81	10.29	38.13	40.98	103.9
#1	.0074	.0084	.0386	-.0119	.0581	.0619	-.0317
#2	.0035	.0053	.0313	-.0137	.0334	.0341	-.2076

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem K_7664
 Units ppm
 Avge .1838
 SDev .0594
 %RSD 32.34
 #1 .2258
 #2 .1418

Errors NOCHECK
 High
 Low

Std	1	2	3	4	5	6	7
Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53982	--	--	--	--	--	--
SDev	200.4648	--	--	--	--	--	--
%RSD	.3713538	--	--	--	--	--	--
#1	53840	--	--	--	--	--	--
#2	54124	--	--	--	--	--	--

Method: (CAP4H) Sample Name: CCB1
 Run Time: 11/13/00 13:04:39
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0817	H.0057	.0016	.0001	.0001	.0890
SDev	.0002	.0451	.0026	.0001	.0001	.0001	.0480
%RSD	22.74	55.22	45.87	8.989	105.6	45.44	53.91

#1	-.0006	H.1136	H.0076	.0015	.0001	.0002	.1229
#2	-.0009	.0498	.0039	.0017	.0000	.0001	.0551

Errors LC Pass LC Pass LC High LC Pass LC Pass LC Pass LC Pass
 High .0030 .1000 .0040 .1000 .0050 .0010 .5000
 Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0000	H.0052	-.0003	H.1121	.0860	.0001
SDev	.0002	.0002	.0002	.0003	.0546	.0479	.0001

#1	.0001	.0001	H.0051	-.0001	H.1507	.1198	.0002
#2	-.0001	-.0001	H.0054	-.0005	H.0734	.0521	.0001

Errors	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.0076	.0023	-.0005	-.0007	.0099	.1574	.0032
SDev	.0015	.0003	.0010	.0004	.0018	.0833	.0029
%RSD	19.95	13.58	224.3	58.21	16.65	52.95	90.09

#1	H.0087	.0025	.0003	-.0010	H.0111	.2163	.0011
#2	H.0085	.0021	-.0012	-.0004	.0088	.0984	.0052

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0003	.0028	-.0023	.0072	.0111	-.2134
SDev	.0001	.0000	.0006	.0013	.0048	.0050	.0385
%RSD	241.5	3.380	21.33	54.39	66.29	44.44	18.03

#1	-.0001	.0003	.0032	-.0014	.0038	.0146	-.2408
#2	.0000	.0003	.0024	-.0032	.0106	.0076	-.1882

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	.1352
SDev	.0370
%RSD	27.37

#1	.1091
#2	.1614

Errors	LC Pass
High	.5000
Low	-.5000

Instd	1	2	3	4	5	6	7
M Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	55767	--	--	--	--	--	--
SDev	189.6455	--	--	--	--	--	--
%RSD	.3400657	--	--	--	--	--	--

00655

#2 55633

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Method: ICA4HI Sample Name: A100692-1
Run Time: 11/13/00 13:12:44
Comment:
Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	68.11	.0270	.1078	1.789	.0020	59.24
SDev	.0004	.06	.0014	.0003	.002	.0000	.08
%RSD	209.8	.0830	5.295	.3192	.1054	1.113	.1357
#1	.0005	68.07	.0281	.1080	1.788	.0020	59.30
#2	-.0001	68.15	.0260	.1076	1.791	.0020	59.18
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	L-.0017	.0326	.1157	.0953	85.69	21.71	1.191
SDev	.0000	.0001	.0006	.0001	.07	.06	.001
%RSD	1.337	.4717	.5542	.0546	.0868	.2677	.0933
#1	L-.0017	.0327	.1162	.0953	85.74	21.75	1.191
#2	L-.0017	.0325	.1153	.0953	85.64	21.66	1.190
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.0951	.0490	.0008	.0130	135.5	.0037
SDev	.0003	.0007	.0012	.0014	.0001	.8	.0023
%RSD	14.80	.6987	2.437	170.6	.6447	.6088	62.57
#1	.0022	.0956	.0499	.0018	.0129	134.9	.0021
#2	.0018	.0947	.0482	-.0002	.0130	136.1	.0054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2101	.3385	.0881	.0293	.0183	.0101	10.72
SDev	.0003	.0002	.0019	.0008	.0029	.0016	.08
%RSD	.1419	.0678	2.170	2.853	15.78	15.54	.7493
#1	.2103	.3387	.0895	.0299	.0203	.0090	10.78
#2	.2099	.3383	.0868	.0287	.0162	.0112	10.67
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Units ppm
Avge 9.651
SDev .010
%RSD .1019

#1 9.644
#2 9.658

Errors LC Pass
High 50.00
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	60929	---	---	---	---	---	---
SDev	131.7345	---	---	---	---	---	---
%RSD	.2182101	---	---	---	---	---	---
#1	60836	---	---	---	---	---	---
#2	61022	---	---	---	---	---	---

Analysis Report

11/13/00 01:25:51 PM

page 1

Method: ICAP4HI Sample Name: A100/91-8

Operator: SD

Run Time: 11/13/00 13:20:42

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058	1.038	.0040	1.051	.1322	-.0002	38.47
SDev	.0001	.011	.0020	.000	.0001	.0000	.02
%RSD	2.740	1.030	49.93	.0454	.0892	.3135	.0446

#1	.0057	1.046	.0026	1.052	.1322	-.0002	38.48
#2	.0055	1.030	.0054	1.051	.1321	-.0002	38.46

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0002	.0204	.0910	.2490	69.11	.0285
SDev	.0001	.0003	.0001	.0003	.0150	.02	.0001
%RSD	98.21	188.0	.6968	.3303	6.026	.0328	.5208

#1	-.0001	-.0001	.0205	.0908	.2596	69.10	.0286
#2	-.0000	.0004	.0203	.0913	.2384	69.13	.0284

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058	.0035	.0008	-.0011	.0074	36.08	.0012
SDev	.0003	.0001	.0005	.0006	.0013	.05	.0021
%RSD	5.686	1.830	60.18	59.77	17.01	.1495	169.2

#1	.0055	.0035	.0005	-.0006	.0083	36.12	-.0002
#2	.0060	.0036	.0011	-.0015	.0065	36.04	.0027

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0098	.0755	.0054	-.0018	.0054	.0082	H193.2
SDev	.0002	.0001	.0001	.0008	.0009	.0014	.2
%RSD	2.466	.0855	2.384	44.10	17.19	17.44	.1152

#1	.0100	.0755	.0055	-.0023	.0060	.0092	H193.3
#2	.0096	.0754	.0053	-.0012	.0047	.0072	H193.0

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

00659

Units ppm
Avge 21.73
SDev .01
%RSD .0508

#1 21.73
#2 21.72

Errors LC Pass
High 50.00
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	55256	--	--	--	--	--	--
SDev	176.4922	--	--	--	--	--	--
%RSD	.3194093	--	--	--	--	--	--
#1	55131	--	--	--	--	--	--
#2	55381	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100791-7
Run Time: 11/13/00 13:25:58
Comment:
Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.7748	.0084	1.345	.0717	-.0002	42.13
SDev	.0007	.0008	.0006	.009	.0002	.0000	.08
%RSD	1001.	.0993	7.588	.6784	.2348	4.544	.1930
#1	-.0004	.7754	.0080	1.338	.0718	-.0002	42.07
#2	.0005	.7743	.0089	1.351	.0718	-.0002	42.19

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2285	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0043	.0053	.0121	1.099	89.47	.5826
SDev	.0001	.0006	.0002	.0001	.018	.18	.0013
%RSD	55.35	14.50	3.532	.7297	1.661	.2055	.2175
#1	-.0001	.0038	.0051	.0120	1.086	89.34	.5817
#2	-.0003	.0047	.0054	.0121	1.112	89.60	.5835

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

00600

SDev	.0007	.0000	.0008	.0022	.0011	.01	.0013
%RSD	22.48	.0168	106.7	1915.	18.38	.0537	45.16
#1	.0026	.0241	.0013	.0014	.0051	25.33	.0019
#2	.0035	.0241	.0002	-.0016	.0066	25.35	.0036
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0133	.0203	.0048	-.0016	.0044	.0063	H227.3
SDev	.0002	.0002	.0024	.0001	.0013	.0009	.2
%RSD	1.282	.8190	51.34	6.102	30.59	14.81	.0984
#1	.0132	.0202	.0065	-.0017	.0034	.0057	H227.5
#2	.0135	.0204	.0030	-.0015	.0053	.0070	H227.2
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	24.30
SDev	.04
%RSD	.1692
#1	24.27
#2	24.33

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	54454	--	--	--	--	--	--
SDev	316.0767	--	--	--	--	--	--
%RSD	.5804515	--	--	--	--	--	--
#1	54230	--	--	--	--	--	--
#2	54677	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCB1
 Date: 11/13/00 13:31:12
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

00581

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0087	.0019	.0053	.0001	-.0002	.0874

%RSD	414.9	3.810	36.40	20.84	16.37	5.529	47.91
#1	-.0001	.0084	.0014	.0081	.0001	-.0002	.1170
#2	.0002	.0089	.0023	.0045	.0001	-.0002	.0578
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0001	.0003	-.0006	.0056	.1838	.0007
SDev	.0002	.0002	.0003	.0001	.0024	.0880	.0006
%RSD	108.5	195.8	105.9	21.12	41.90	47.86	80.09
#1	-.0003	-.0003	.0001	-.0006	.0073	.2460	.0011
#2	-.0000	.0000	.0006	-.0007	.0040	.1216	.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.0007	-.0002	.0000	.0031	.1024	.0063
SDev	.0003	.0001	.0003	.0011	.0000	.0313	.0024
%RSD	16.81	14.68	131.5	3565.	.6178	30.58	38.15
#1	.0018	.0006	-.0000	-.0007	.0031	.1246	.0046
#2	.0014	.0008	-.0005	.0008	.0031	.0803	.0080
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0006	.0046	-.0029	.0032	.0028	H.6782
SDev	.0004	.0003	.0003	.0006	.0006	.0003	.2161
%RSD	291.7	41.14	5.788	20.40	19.54	9.207	31.86
#1	-.0002	-.0005	.0044	-.0025	.0027	.0030	H.8310
#2	.0004	-.0008	.0048	-.0034	.0036	.0027	H.5254
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	.1856						
SDev	.0148						
%RSD	7.978						
#1	.1961						
#2	.1751						

00662

Errors LC Pass
High .5000
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	54670	---	---	---	---	---	---
SDev	97.79342	---	---	---	---	---	---
%RSD	.1788803	---	---	---	---	---	---
#1	54601	---	---	---	---	---	---
#2	54739	---	---	---	---	---	---

ernod: LCAP4H1 Sample Name: BLK A000934UND1 Operator: SD
 un Time: 11/13/00 13:36:26
 omment:
 ode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0095	.0025	.0027	-.0000	-.0002	.0008
SDev	.0004	.0020	.0015	.0001	.0000	.0000	.0003
%RSD	218.6	21.37	62.42	4.199	71.59	.1377	40.91

#1	.0005	.0110	.0036	.0027	-.0000	-.0002	.0006
#2	-.0001	.0081	.0014	.0026	-.0001	-.0002	.0011

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0001	-.0000	-.0005	-.0007	.0125	-.0004
SDev	.0000	.0005	.0002	.0000	.0068	.0026	.0000
%RSD	28.61	653.9	2581.	.6926	991.5	20.94	.0315

#1	-.0001	.0004	-.0002	-.0005	.0041	.0143	-.0004
#2	-.0001	-.0003	.0001	-.0005	-.0055	.0106	-.0004

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0005	.0004	.0044	.0031	.0383	.0029
SDev	.0000	.0001	.0001	.0046	.0005	.0037	.0017
%RSD	71.57	25.24	16.81	105.8	14.91	9.544	59.45

#1	-.0001	.0004	.0003	.0076	.0028	.0409	.0041
#2	-.0000	.0006	.0004	.0011	.0035	.0357	.0017

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass

0000

Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	-.0012	.0024	-.0009	-.0015	.0052	.0453
SDev	.0002	.0000	.0023	.0011	.0010	.0002	.0215
%RSD	3641.	2.213	96.72	113.6	69.17	3.595	47.40

#1	-.0002	-.0011	.0008	-.0002	-.0022	.0050	.0605
#2	.0001	-.0012	.0041	-.0017	-.0008	.0053	.0301

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	.1360
SDev	.0179
%RSD	13.13

#1	.1487
#2	.1234

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	54457	---	---	---	---	---	---
SDev	52.60764	---	---	---	---	---	---
%RSD	.0966042	---	---	---	---	---	---
#1	54420	---	---	---	---	---	---
#2	54494	---	---	---	---	---	---

Method: [CAP4HI Sample Name: A100634-1

Operator: SD

Run Time: 11/13/00 13:41:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0118	.0033	.0618	.0491	-.0002	18.04
SDev	.0001	.0006	.0013	.0006	.0003	.0000	.12
%RSD	33.28	5.416	39.09	.9554	.5919	2.352	.6648
#1	.0003	.0123	.0043	.0622	.0493	-.0002	18.13
#2	.0004	.0114	.0024	.0614	.0489	-.0002	17.96

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0002	.0000	.0002	-.0240	13.09	.0788
SDev	.0001	.0000	.0001	.0004	.0020	.08	.0007
%RSD	37.86	10.34	129.6	160.4	8.152	.6295	.8441

#1	-.0003	.0002	.0000	-.0000	-.0254	13.15	.0793
#2	-.0002	.0002	.0001	.0005	-.0226	13.04	.0784

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sn2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0003	-.0000	-.0019	.0057	25.89	.0032
SDev	.0003	.0001	.0003	.0030	.0008	.19	.0051
%RSD	29.36	56.16	898.3	154.6	13.75	.7373	159.0

#1	.0009	.0002	.0002	-.0040	.0052	26.03	-.0004
#2	.0014	.0004	-.0002	.0002	.0063	25.76	.0068

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.0265	.0016	-.0011	.0061	.0053	27.88
SDev	.0000	.0005	.0011	.0001	.0006	.0009	.38
%RSD	.7472	2.049	66.30	11.54	10.30	16.42	1.359

#1	.0019	.0269	.0024	-.0012	.0057	.0047	28.15
#2	.0019	.0261	.0009	-.0010	.0066	.0059	27.62

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	1.340
SDev	.016
%RSD	1.184

#1	1.328
#2	1.351

Errors	LC Pass
High	50.00
Low	-.5000

00665

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

AVge	54417	--	--	--	--	--	--
SDev	365.7151	--	--	--	--	--	--
%RSD	.6720603	--	--	--	--	--	--
#1	54158	--	--	--	--	--	--
#2	54676	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100693-1 X2 Operator: SU
 Run Time: 11/13/00 13:46:56
 Comment:
 Mode: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0006	1.581	.0074	.7064	.1043	-.0004	7.549
SDev	.0002	.029	.0026	.0030	.0010	.0000	.081
%RSD	37.72	1.820	34.49	.4307	.9581	.4761	1.068
#1	.0007	1.601	.0092	.7086	.1050	-.0004	7.606
#2	.0004	1.561	.0056	.7043	.1035	-.0003	7.492

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0003	.0005	.0020	-.0000	.6558	5.020	.0116
SDev	.0001	.0002	.0005	.0003	.0171	.051	.0004
%RSD	41.23	36.63	25.02	569.3	2.616	1.009	3.569
#1	-.0004	.0004	.0017	.0002	.6680	5.056	.0119
#2	-.0002	.0007	.0024	-.0003	.6437	4.984	.0113

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0025	.0011	.0009	-.0099	.0085	19.68	-.0020
SDev	.0001	.0008	.0012	.0090	.0049	.24	.0002
%RSD	2.899	73.38	128.8	90.93	56.97	1.227	9.421
#1	-.0025	.0017	.0017	-.0162	.0120	19.85	-.0019
#2	-.0026	.0005	.0001	-.0035	.0051	19.51	-.0022

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0036	-.0040	.0036	-.0010	.0095	.0076	184.0
SDev	.0002	.0005	.0047	.0041	.0040	.0093	1.1
%RSD	6.786	13.11	132.0	418.8	42.21	122.8	.5771
#1	.0034	-.0044	.0002	.0019	.0066	.0141	184.8
#2	.0038	-.0036	.0069	-.0039	.0123	.0010	183.3

Elem	K_7664
Units	ppm
AVge	2.547
SDev	.041
%RSD	1.614

#1	2.518
#2	2.576

00666

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53353	--	--	--	--	--	--
SDev	452.4793	--	--	--	--	--	--
%RSD	.8480851	--	--	--	--	--	--
#1	53033	--	--	--	--	--	--
#2	53673	--	--	--	--	--	--

ethod: ICAP4HI Sample Name: A100693-1 Operator: SD
 un Time: 11/13/00 13:52:11
 omment:
 ode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	1.540	.0057	.8717	.0995	-.0002	7.157
SDev	.0001	.005	.0013	.0026	.0002	.0000	.008
%RSD	21.28	.3334	23.57	.3859	.2151	12.81	.1088

#1	-.0007	1.544	.0047	.8735	.0996	-.0003	7.162
#2	-.0006	1.537	.0066	.8698	.0993	-.0002	7.151

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0002	.0019	.0003	.6287	4.733	.0116
SDev	.0001	.0001	.0001	.0002	.0009	.005	.0000
%RSD	22.68	83.92	7.334	59.67	.1380	.1110	.0665

#1	-.0003	.0001	.0020	.0004	.6281	4.729	.0116
#2	-.0002	.0003	.0018	.0002	.6293	4.737	.0116

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	.0014	.0014	L-.0107	.0131	18.65	-.0020
SDev	.0002	.0004	.0008	.0023	.0022	.04	.0001
%RSD	26.78	30.13	56.22	21.50	16.47	.2392	5.692

#1	-.0007	.0011	.0008	L-.0123	.0115	18.68	-.0019
#2	-.0010	.0018	.0020	-.0090	.0146	18.61	-.0021

Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0040	-.0008	.0076	-.0020	.0187	.0100	H165.3
SDev	.0001	.0001	.0006	.0009	.0017	.0024	.2
%RSD	2.890	17.90	8.159	44.01	8.852	24.04	.1132

#1	.0039	-.0007	.0072	-.0026	.0176	.0083	H165.4
#2	.0041	-.0009	.0081	-.0014	.0199	.0117	H165.1

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	2.515
SDev	.028
%RSD	1.094

#1	2.535
#2	2.496

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	54373	--	--	--	--	--	--
SDev	302.7135	--	--	--	--	--	--
%RSD	.5567314	--	--	--	--	--	--
#1	54159	--	--	--	--	--	--
#2	54587	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110019-1
 Run Time: 11/13/00 13:57:27
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0108	.0020	.9133	.0001	-.0002	.0652
SDev	.0003	.0053	.0009	.0097	.0001	.0000	.0061
%RSD	122.4	49.40	45.08	1.063	161.3	2.140	9.413

#1	-.0000	.0146	.0014	.9202	.0001	-.0002	.0696
#2	-.0004	.0070	.0027	.9064	-.0000	-.0002	.0609

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

00688

SDev	.0000	.0003	.0002	.0001	.0049	.0043	.0000
%RSD	2.247	163.1	44.22	1.135	39.39	10.75	28.69
#1	-.0002	.0000	.0005	.0056	.0159	.0426	.0001
#2	-.0002	-.0004	.0003	.0057	.0090	.0365	.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0028	.0038	-.0036	.0034	88.36	.0013
SDev	.0002	.0001	.0005	.0022	.0005	1.00	.0017
%RSD	44.76	5.253	12.94	61.37	14.62	1.131	131.5

#1	-.0007	.0029	.0042	-.0021	.0038	89.06	.0001
#2	-.0004	.0027	.0035	-.0052	.0031	87.65	.0025

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0069	.0106	.0002	.0075	.0012	82.67
SDev	.0000	.0004	.0005	.0010	.0007	.0011	.74
%RSD	3.528	6.046	4.881	482.4	9.921	94.31	.8960

#1	.0005	.0072	.0102	.0009	.0069	.0020	83.19
#2	.0005	.0066	.0110	-.0005	.0080	.0004	82.15

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	1.667
SDev	.027
%RSD	1.626

#1	1.648
#2	1.686

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	54448	--	--	--	--	--	--
SDev	1084.843	--	--	--	--	--	--

#1	53681	--	--	--	--	--	--
#2	55215	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100790-1 Operator: SD
 Run Time: 11/13/00 14:02:43
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0100	.0383	.6460	.0153	-.0002	1.597
SDev	.0004	.0019	.0001	.0000	.0001	.0000	.007
%RSD	67.08	19.46	.1709	.0030	.3695	13.10	.4657

#1	-.0003	.0114	.0382	.6460	.0154	-.0002	1.592
#2	-.0010	.0086	.0383	.6460	.0153	-.0002	1.602

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2285	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	-.0002	.0003	-.0004	.0228	.5333	.0391
SDev	.0000	.0004	.0001	.0001	.0038	.0002	.0001
%RSD	1.193	184.4	25.39	13.26	16.71	.0316	.2977

#1	-.0005	.0001	.0002	-.0004	.0255	.5334	.0390
#2	-.0005	-.0005	.0003	-.0005	.0201	.5332	.0392

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0010	-.0002	-.0048	.0046	85.84	-.0012
SDev	.0003	.0001	.0008	.0002	.0008	.16	.0062
%RSD	57.77	6.856	339.6	4.425	17.29	.1896	533.9

#1	.0008	.0010	.0003	-.0046	.0041	85.73	.0032
#2	.0003	.0009	-.0008	-.0049	.0052	85.96	-.0055

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0511	.0057	-.0034	.0071	.0031	56.26
SDev	.0001	.0003	.0022	.0022	.0002	.0011	.19
%RSD	56.34	.5817	39.08	65.72	3.227	34.51	.3291

#1	.0001	.0509	.0042	-.0018	.0069	.0024	56.13
#2	.0003	.0513	.0073	-.0050	.0073	.0039	56.39

errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge 5.299
 SDev .068
 %RSD 1.282

#1 5.251
 #2 5.347

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	54938	--	--	--	--	--	--
SDev	6.151277	--	--	--	--	--	--
%RSD	.0111967	--	--	--	--	--	--
#1	54943	--	--	--	--	--	--
#2	54934	--	--	--	--	--	--

Method: ICP4HI Sample Name: CCB1
 Run Time: 11/13/00 14:07:57
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	-.0045	.0018	.0043	-.0001	-.0002	-.0021
SDev	.0006	.0037	.0036	.0030	.0001	.0000	.0037
%RSD	1460.	80.85	197.4	69.56	197.5	5.393	179.7
#1	.0004	-.0019	H.0044	.0064	.0000	-.0002	.0006
#2	-.0004	-.0071	-.0007	.0022	-.0001	-.0002	-.0047

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0005	H.0055	-.0003	.0156	-.0001	-.0001
SDev	.0000	.0003	.0009	.0003	.0078	.0030	.0001
%RSD	39.05	69.45	16.36	120.0	50.33	2692.	162.3

#1	-.0001	.0007	H.0061	-.0000	.0211	.0020	.0000
#2	-.0001	.0002	.0049	-.0005	.0100	-.0022	-.0001

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
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00571

Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0024	-.0003	.0018	.0006	.2068	.0022
SDev	.0006	.0012	.0000	.0032	.0021	.1026	.0059
%RSD	99.33	51.82	7.759	175.7	331.9	49.60	270.5

#1	.0009	.0032	-.0003	.0041	-.0008	.2793	.0064
#2	.0002	.0015	-.0002	-.0004	.0021	.1343	-.0020

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0000	.0039	-.0026	-.0024	.0019	.3270
SDev	.0013	.0000	.0035	.0018	.0018	.0040	.6215
%RSD	667.9	110.7	90.05	69.22	76.21	213.4	190.1

#1	.0011	.0000	.0063	-.0038	-.0011	-.0009	H.7665
#2	-.0007	.0000	.0014	-.0013	-.0036	.0047	-.1125

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	.0946
SDev	.0375
%RSD	39.61

#1	.1211
#2	.0681

Errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	55521	--	--	--	--	--	--
SDev	283.4089	--	--	--	--	--	--
%RSD	.5104564	--	--	--	--	--	--
#1	55320	--	--	--	--	--	--
#2	55721	--	--	--	--	--	--

Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4840	-.0194	2.524	2.508	2.395	2.524	-.0042
SDev	.0004	.0036	.009	.002	.003	.004	.0002
%RSD	.0782	18.41	.3757	.0784	.1108	.1466	3.806
#1	.4838	-.0169	2.518	2.507	2.393	2.522	-.0041
#2	.4843	-.0219	2.531	2.509	2.397	2.527	-.0043

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250		2.625	2.750	2.625	2.625	
Low	.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.585	2.542	2.533	2.440	.2052	-.0087	2.510
SDev	.003	.002	.003	.003	.0091	.0004	.003
%RSD	.0983	.0967	.1244	.1158	4.425	5.067	.1214
#1	2.583	2.540	2.531	2.438	.2116	-.0084	2.508
#2	2.587	2.544	2.536	2.442	.1987	-.0090	2.512

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.521	2.555	2.597	2.490	2.562	.1481	2.549
SDev	.032	.002	.003	.002	.045	.0105	.009
%RSD	1.265	.0683	.1279	.0828	1.770	7.103	.3686
#1	2.498	2.556	2.595	2.488	2.530	.1556	2.556
#2	2.543	2.554	2.599	2.491	2.594	.1407	2.543

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.502	2.623	2.564	2.613	2.546	2.569	52.68
SDev	.003	.004	.000	.005	.027	.054	.05
%RSD	.1249	.1378	.0167	.1981	1.064	2.120	.0856
#1	2.500	2.620	2.564	2.610	2.527	2.531	H52.71
#2	2.505	H2.626	2.563	2.617	2.565	2.608	52.65

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avge	28.03

00573

%RSD .2057
#1 26.07
#2 25.99

Errors LC Pass
High 26.25
Low 23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	55692	--	--	--	--	--	--
SDev	83.57947	--	--	--	--	--	--
%RSD	.1500744	--	--	--	--	--	--
#1	55633	--	--	--	--	--	--
#2	55751	--	--	--	--	--	--

Method: LCAP4HI Sample Name: CCV7
Run Time: 11/13/00 14:18:24
Comment:
CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	50.27	.0217	.0045	.0038	.0049	51.86
SDev	.0004	.14	.0083	.0013	.0027	.0028	.14
%RSD	48.76	.2734	38.16	28.96	70.14	57.22	.2727
#1	.0006	50.17	.0275	.0054	.0057	.0069	51.76
#2	.0011	50.36	.0158	.0036	.0019	.0029	51.96

Errors NOCHECK LC Pass NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK LC Pass
High 52.50
Low 47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	.0052	.0055	.0053	51.59	H52.98	.0064
SDev	.0027	.0022	.0018	.0023	.14	.19	.0028
%RSD	67.98	42.97	32.34	43.12	.2762	.3547	42.99
#1	.0058	.0067	.0068	.0069	51.49	H52.85	.0084
#2	.0020	.0036	.0043	.0037	51.69	H53.11	.0045

Errors NOCHECK NOCHECK NOCHECK NOCHECK LC Pass LC High NOCHECK
High 52.50
Low 47.50

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0349	.0056	.0040	.0110	.0446	87.41	.0068
SDev	.0113	.0015	.0016	.0005	.0227	.23	.0047
%RSD	32.39	27.43	39.14	4.458	44.59	.2670	69.27

#1	.0429	.0067	.0051	.0107	.0671	87.24	.0101
#2	.0289	.0045	.0029	.0114	.0349	87.57	.0035

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK LC Pass NOCHECK
 High 94.00
 Low 77.00

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0067	.0078	.0354	-.0120	.0440	.0542	-.0273
SDev	.0018	.0023	.0006	.0020	.0154	.0264	.5267
%RSD	26.53	29.91	1.676	17.08	34.87	48.76	1929.

#1	.0079	.0095	.0358	-.0105	.0549	.0729	-.3997
#2	.0054	.0062	.0350	-.0134	.0332	.0355	.3451

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem	K_7664
Units	ppm
Avge	.0870
SDev	.0224
%RSD	25.78

#1	.0711
#2	.1028

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53809	--	--	--	--	--	--
SDev	102.0361	--	--	--	--	--	--
%RSD	.1896251	--	--	--	--	--	--

#1	53737	--	--	--	--	--	--
#2	53882	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCB1

Operator: SD

Run Time: 11/13/00 14:23:38

Comment:

Mod: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0894	H.0058	.0023	.0002	.0001	.1030
SDev	.0006	.0489	.0002	.0004	.0000	.0001	.0564
%RSD	118.2	54.69	4.135	19.05	7.432	61.10	54.72

00675

#2	-.0001	.0548	H.0059	.0020	.0002	.0001	.0632
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0003	H.0056	.0004	H.1287	.1058	.0002
SDev	.0001	.0002	.0000	.0002	.0568	.0533	.0000
%RSD	177.7	68.92	.5300	59.20	44.12	50.40	19.86
#1	-.0000	.0002	H.0056	.0002	H.1688	.1435	.0002
#2	.0002	.0005	H.0055	.0006	H.0885	.0681	.0002
Errors	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.0086	.0023	.0002	-.0006	H.0133	.1929	.0005
SDev	.0016	.0005	.0003	.0017	.0018	.0945	.0036
%RSD	18.62	22.41	222.1	288.5	13.31	48.98	705.5
#1	H.0097	.0026	.0004	-.0018	H.0145	.2597	-.0020
#2	H.0075	.0019	-.0001	.0006	H.0120	.1261	.0030
Errors	LC High	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0004	.0033	-.0017	.0086	.0154	-.1387
SDev	.0001	.0002	.0024	.0007	.0025	.0014	.0384
%RSD	25.64	60.32	71.05	39.14	28.92	9.189	27.70
#1	.0002	.0002	.0050	-.0021	.0103	.0164	-.1659
#2	.0002	.0005	.0017	-.0012	.0068	.0144	-.1116
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	.0480						
SDev	.0184						
%RSD	38.26						
#1	.0610						
#2	.0350						
Errors	LC Pass						
High	.5000						

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
AVge	55589	--	--	--	--	--	--
SDev	42.85178	--	--	--	--	--	--
%RSD	.0770862	--	--	--	--	--	--
#1	55559	--	--	--	--	--	--
#2	55620	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100792-2-S0 931GCP1 Operator: SU
 Run Time: 11/13/00 14:28:52
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2498	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0006	.0000	.0022	.0008	-.0001	-.0001	.0229
SDev	.0011	.0063	.0003	.0001	.0002	.0000	.0034
%RSD	204.8	14220.	13.67	13.64	188.4	20.28	14.80

#1	.0002	.0045	.0024	.0008	.0000	-.0001	.0253
#2	-.0013	-.0044	.0020	.0007	-.0002	-.0002	.0205

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2285	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0003	-.0003	-.0003	-.0002	-.0018	.0071	-.0004
SDev	.0003	.0004	.0001	.0008	.0151	.0087	.0001
%RSD	90.11	180.3	28.73	328.4	969.8	121.5	35.12

#1	-.0001	.0000	-.0002	.0003	.0091	.0133	-.0003
#2	-.0005	-.0006	-.0003	-.0008	-.0122	.0010	-.0005

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0028	-.0004	.0001	-.0018	.0043	.0965	.0038
SDev	.0002	.0002	.0006	.0047	.0021	.0150	.0003
%RSD	5.748	44.34	624.4	260.7	48.63	15.53	8.685

#1	.0029	-.0003	.0005	.0015	.0058	.1071	.0040
#2	.0027	-.0006	-.0003	-.0052	.0028	.0859	.0036

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

00677

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0066	.0023	-.0012	.0012	.0056	-.1038
SDev	.0002	.0006	.0027	.0022	.0029	.0017	.0185
%RSD	51.94	8.411	117.5	179.1	242.8	30.03	17.81
#1	-.0002	.0070	.0004	.0003	.0032	.0068	-.0907
#2	-.0005	.0062	.0042	-.0028	-.0009	.0044	-.1168
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	.0020
SDev	.0047
%RSD	238.1
#1	.0053
#2	-.0013

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	56516	--	--	--	--	--	--
SDev	36.27237	--	--	--	--	--	--
%RSD	.0641811	--	--	--	--	--	--
#1	56490	--	--	--	--	--	--
#2	56541	--	--	--	--	--	--

Method: LCAP4H1 Sample Name: A100792-2-L1 200.2 Operator: SD
 Run Time: 11/13/00 14:34:06
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0404	2.021	.1000	1.005	.0958	.0100	19.26
SDev	.0004	.004	.0013	.000	.0001	.0000	.01
%RSD	1.032	.1970	1.289	.0472	.0581	.0353	.0709
#1	.0407	2.018	.0991	1.005	.0957	.0100	19.25
#2	.0401	2.024	.1009	1.006	.0958	.0100	19.27

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	.0001	.0003	.0003	.0006	.0034	.01	.0000
%RSD	.6766	.3432	.6229	1.423	.3479	.0430	.1020
#1	.0101	.1000	.0408	.0402	.9682	19.86	.0403
#2	.0100	.0995	.0404	.0394	.9635	19.88	.0403

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0810	.0991	.1008	.1029	.0869	.3003	.0973
SDev	.0064	.0006	.0015	.0012	.0092	.0043	.0021
%RSD	7.871	.5501	1.455	1.155	10.54	1.428	2.117

#1	.0765	.0995	.0998	.1037	.0804	.3033	.0987
#2	.0856	.0987	.1019	.1020	.0934	.2972	.0958

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0404	.1094	.1021	.1000	.0827	.0888	22.51
SDev	.0003	.0000	.0009	.0017	.0098	.0089	.04
%RSD	.6241	.0158	.9249	1.729	11.83	9.965	.1591

#1	.0406	.1094	.1014	.0987	.0758	.0825	22.53
#2	.0402	.1094	.1027	.1012	.0896	.0950	22.48

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664						
Units	ppm						
Avge	21.33						
SDev	.04						
%RSD	.2029						

#1	21.30						
#2	21.36						

Errors	LC Pass						
High	50.00						
Low	-.5000						

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	55729	--	--	--	--	--	--
SDev	19.30457	--	--	--	--	--	--

#1	55716	--	--	--	--	--	--
#2	55743	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100792-2-L2 1 Operator: SD

Run Time: 11/13/00 14:39:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0395	2.011	.0994	1.001	.0957	.0099	19.14
SDev	.0001	.004	.0016	.003	.0002	.0000	.01
%RSD	.1155	.1870	1.660	.2882	.1757	.0258	.0512

#1	.0395	2.008	.0982	1.003	.0956	.0099	19.15
#2	.0396	2.013	.1006	.9994	.0959	.0099	19.14

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0098	.0988	.0403	.0389	.9428	19.70	.0401
SDev	.0001	.0000	.0002	.0002	.0077	.01	.0001
%RSD	1.384	.0313	.5800	.5729	.8129	.0486	.2131

#1	.0097	.0988	.0405	.0391	.9373	19.71	.0400
#2	.0099	.0988	.0402	.0387	.9482	19.70	.0401

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0877	.0986	.0995	.0988	.0930	.2932	.0960
SDev	.0019	.0001	.0013	.0021	.0068	.0012	.0015
%RSD	2.217	.0882	1.255	2.131	7.294	.4235	1.527

#1	.0863	.0986	.0986	.1003	.0882	.2923	.0970
#2	.0891	.0987	.1004	.0973	.0978	.2940	.0949

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0403	.1115	.1038	.0971	.0950	.0918	22.45
SDev	.0000	.0003	.0013	.0025	.0032	.0086	.15
%RSD	.0089	.2695	1.277	2.610	3.327	9.363	.6825

#1	.0403	.1113	.1047	.0954	.0928	.0857	22.56
#2	.0403	.1117	.1028	.0989	.0972	.0979	22.34

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge 21.21
 SDev .01
 %RSD .0355

#1 21.22
 #2 21.21

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	56023	--	--	--	--	--	--
SDev	185.1902	--	--	--	--	--	--
%RSD	.3305589	--	--	--	--	--	--
#1	55892	--	--	--	--	--	--
#2	56154	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100792-2

Operator: SD

Run Time: 11/13/00 14:44:36

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0011	1.170	.0058	1.312	.1846	-.0002	36.10
SDev	.0007	.011	.0036	.008	.0003	.0000	.05
%RSD	66.15	.9602	63.12	.6051	.1486	9.045	.1467
#1	-.0006	1.178	.0083	1.307	.1848	-.0002	36.07
#2	-.0016	1.162	.0032	1.318	.1844	-.0002	36.14

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0014	.0085	.0081	2.349	12.91	.0329
SDev	.0000	.0007	.0000	.0006	.010	.00	.0000
%RSD	5.516	45.81	.0817	7.202	.4327	.0096	.1056

#1	-.0004	.0019	.0085	.0085	2.342	12.91	.0329
#2	-.0004	.0010	.0085	.0077	2.356	12.91	.0329

00581

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000

low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0091	.0053	.0036	-.0025	.0124	45.25	.0037
SDev	.0014	.0001	.0010	.0034	.0045	.02	.0025
%RSD	15.33	1.554	26.61	136.9	36.31	.0444	68.81

#1	.0101	.0053	.0029	-.0001	.0156	45.24	.0019
#2	.0081	.0052	.0043	-.0049	.0092	45.27	.0054

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0143	.3063	.0128	-.0012	.0129	.0120	98.59
SDev	.0001	.0012	.0033	.0002	.0020	.0057	.23
%RSD	.7116	.3855	26.09	19.99	15.75	47.90	.2308

#1	.0142	.3054	.0104	-.0011	.0143	.0160	98.75
#2	.0144	.3071	.0152	-.0014	.0115	.0079	98.43

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	2.836
SDev	.031
%RSD	1.084

#1	2.858
#2	2.814

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	55973	--	--	--	--	--	--
SDev	125.7932	--	--	--	--	--	--
%RSD	.2247405	--	--	--	--	--	--
#1	56062	--	--	--	--	--	--
#2	55884	--	--	--	--	--	--

CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0423	3.334	.1088	2.477	.2907	.0105	56.99
SDev	.0004	.008	.0002	.005	.0000	.0000	.01
%RSD	.9172	.2349	.1895	.1939	.0065	.1543	.0111
#1	.0425	3.340	.1087	2.480	.2907	.0104	56.98
#2	.0420	3.329	.1090	2.473	.2907	.0105	56.99
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0103	.1059	.0507	.0500	3.507	34.05	.0766
SDev	.0001	.0001	.0003	.0000	.002	.02	.0001
%RSD	1.080	.1167	.6521	.0334	.0575	.0447	.1183
#1	.0103	.1060	.0509	.0500	3.505	34.04	.0766
#2	.0102	.1058	.0505	.0500	3.508	34.06	.0767
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0899	.1088	.1078	.1019	.0948	48.15	.1071
SDev	.0031	.0004	.0007	.0005	.0072	.04	.0070
%RSD	3.476	.3345	.6430	.5253	7.573	.0857	6.582
#1	.0877	.1091	.1073	.1015	.0897	48.18	.1021
#2	.0921	.1086	.1083	.1023	.0998	48.12	.1121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0568	.4241	.1111	.1059	.0928	.0955	H122.1
SDev	.0003	.0003	.0006	.0013	.0049	.0083	.3
%RSD	.5084	.0742	.5804	1.267	5.274	8.708	.2089
#1	.0570	.4243	.1116	.1050	.0830	.0896	H122.3
#2	.0566	.4238	.1107	.1068	.0963	.1014	H121.9
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	k_/664						
Units	ppm						
AVge	29.23						
SDev	.01						

%RSD .0350

#1 29.24
#2 29.22

Errors LC Pass
High 50.00
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	52207	--	--	--	--	--	--
SDev	101.1853	--	--	--	--	--	--
%RSD	.1938165	--	--	--	--	--	--
#1	52278	--	--	--	--	--	--
#2	52135	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100792-2-S2 1 Operator: SD

Run Time: 11/13/00 14:55:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0407	3.236	.1090	2.412	.2843	.0102	55.97
SDev	.0014	.003	.0043	.002	.0003	.0000	.09
%RSD	3.311	.0831	3.911	.0926	.1009	.2038	.1600

#1 .0416 3.238 .1060 2.413 .2841 .0103 56.04
#2 .0397 3.235 .1120 2.410 .2845 .0102 55.91

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099	.1033	.0494	.0492	3.410	33.39	.0748
SDev	.0003	.0005	.0003	.0008	.008	.08	.0001
%RSD	3.389	.5139	.5725	1.622	.2433	.2472	.1152

#1 .0102 .1036 .0496 .0497 3.416 33.45 .0749
#2 .0097 .1029 .0492 .0486 3.404 33.33 .0748

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0914	.1053	.1068	.0940	.0945	47.17	.1032
SDev	.0028	.0011	.0005	.0042	.0074	.02	.0047
%RSD	3.065	1.030	.4519	4.488	7.834	.0495	4.520

00684

#1	.0895	.1061	.1064	.0970	.0892	47.16	.1065
#2	.0934	.1045	.1071	.0910	.0997	47.19	.0999
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0551	.4168	.1082	.1058	.0931	.0950	H120.4
SDev	.0001	.0020	.0038	.0012	.0063	.0080	.3
%RSD	.1064	.4866	3.546	1.128	6.752	8.403	.2409

#1	.0551	.4182	.1055	.1067	.0886	.0893	H120.2
#2	.0551	.4154	.1109	.1050	.0975	.1006	H120.6
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	28.53
SDev	.02
%RSD	.0687

#1	28.51
#2	28.54

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	52951	---	---	---	---	---	---
SDev	19.72994	---	---	---	---	---	---
%RSD	.0372609	---	---	---	---	---	---
#1	52937	---	---	---	---	---	---
#2	52965	---	---	---	---	---	---

Method: ICAP4HI Sample Name: A100792-1

Operator: SD

Run Time: 11/13/00 15:00:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	4.527	.0074	.1674	.0650	.0000	40.02
SDev	.0000	.000	.0018	.0033	.0003	.0000	.01
%RSD	.1370	.0001	24.15	1.984	.5092	23.13	.01400685
#1	.0004	4.527	.0087	.1697	.0653	.0000	40.03

#2	.0004	4.527	.0061	.1650	.0648	.0000	40.02
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0075	.0500	.0279	15.23	22.13	.0830
SDev	.0001	.0000	.0001	.0002	.03	.01	.0001
%RSD	40.41	.3230	.1785	.7313	.1652	.0278	.1109
#1	-.0002	.0076	.0499	.0281	15.21	22.14	.0829
#2	-.0003	.0075	.0500	.0278	15.24	22.13	.0831
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088	.0200	.0079	-.0022	.0142	69.23	.0024
SDev	.0003	.0002	.0001	.0029	.0011	.04	.0042
%RSD	2.827	1.056	.6770	131.7	7.995	.0568	174.5
#1	.0086	.0199	.0079	-.0043	.0150	69.20	-.0006
#2	.0090	.0202	.0078	-.0002	.0134	69.26	.0054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0604	.1102	.0099	.0066	.0082	.0169	29.90
SDev	.0002	.0006	.0010	.0006	.0004	.0015	.10
%RSD	.3267	.5363	9.750	8.497	5.054	8.817	.3464
#1	.0602	.1107	.0092	.0070	.0084	.0180	29.97
#2	.0605	.1098	.0106	.0062	.0079	.0159	29.83
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	5.570						
SDev	.044						
%RSD	.7917						
#1	5.601						
#2	5.538						
Errors	LC Pass						
High	50.00						
Low	-.5000						

00686

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Flem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	56244	--	--	--	--	--	--
SDev	11.66726	--	--	--	--	--	--
%RSD	.0207439	--	--	--	--	--	--
#1	56236	--	--	--	--	--	--
#2	56253	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100792-3 Operator: SD
 Run Time: 11/13/00 15:05:38
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	1.009	.0070	1.003	.0271	-.0002	24.35
SDev	.0008	.010	.0007	.000	.0001	.0000	.06
%RSD	894.7	1.031	9.720	.0390	.4568	11.79	.2544

#1	.0005	1.016	.0065	1.003	.0272	-.0002	24.39
#2	-.0006	1.001	.0075	1.003	.0271	-.0002	24.30

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0025	.0053	.0055	1.765	12.86	.0331
SDev	.0000	.0004	.0005	.0006	.023	.05	.0003
%RSD	10.48	17.70	9.216	11.12	1.295	.4143	.7475

#1	-.0003	.0028	.0056	.0059	1.781	12.90	.0333
#2	-.0003	.0022	.0050	.0051	1.749	12.82	.0329

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	.0039	.0004	.0012	.0063	53.42	.0025
SDev	.0005	.0006	.0011	.0029	.0058	.07	.0016
%RSD	11.94	15.19	269.0	238.8	92.19	.1357	61.36

#1	.0036	.0043	.0012	.0032	.0104	53.47	.0014
#2	.0042	.0035	-.0004	-.0008	.0022	53.36	.0036

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V 2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
------	--------	--------	--------	--------	--------	--------	--------

00537

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0176	.0752	.0037	-.0015	.0038	.0073	57.29
SDev	.0008	.0004	.0015	.0024	.0035	.0070	.15
%RSD	4.359	.4961	39.60	162.0	92.90	95.02	.2637
#1	.0181	.0755	.0027	.0002	.0062	.0122	57.40
#2	.0170	.0749	.0047	-.0032	.0013	.0024	57.18
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	1.815
SDev	.049
%RSD	3.041
#1	1.650
#2	1.581

Errors	LC Pass
High	50.00
Low	-.5000

In. std	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	55894	--	--	--	--	--	--
SDev	380.5671	--	--	--	--	--	--
%RSD	.6808741	--	--	--	--	--	--
#1	55625	--	--	--	--	--	--
#2	56163	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A100792-4
 Run Time: 11/13/00 15:10:52
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	44.89	.0224	1.711	.2514	-.0009	49.35
SDev	.0001	.01	.0022	.009	.0000	.0000	.01
%RSD	13.98	.0188	9.921	.4979	.0171	2.605	.0267
#1	.0008	44.88	.0240	1.705	.2514	-.0009	49.34
#2	.0006	44.90	.0208	1.717	.2514	-.0009	49.36

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0617	.1941	.1489	86.05	41.03	.6110

00588

SDev	.0000	.0002	.0003	.0001	.05	.00	.0004
%RSD	15.06	.3239	.1620	.0520	.0587	.0074	.0679
#1	-.0003	.0615	.1939	.1488	86.01	41.02	.6107
#2	-.0003	.0618	.1943	.1490	86.08	41.03	.6113

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0034	.1315	.0149	-.0028	.0126	137.1	.0040
SDev	.0007	.0001	.0005	.0009	.0012	.2	.0036
%RSD	20.04	.0530	3.564	31.91	9.558	.1676	90.10

#1	.0039	.1315	.0145	-.0034	.0118	136.9	.0066
#2	.0030	.1314	.0153	-.0021	.0135	137.2	.0015

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1628	.3895	.0474	-.0016	.0187	.0094	88.05
SDev	.0001	.0002	.0000	.0008	.0015	.0010	.15
%RSD	.0286	.0446	.0442	49.05	8.327	11.04	.1724

#1	.1627	.3896	.0474	-.0022	.0176	.0086	88.16
#2	.1628	.3894	.0475	-.0010	.0198	.0101	87.95

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	16.80
SDev	.00
%RSD	.0156

#1	16.80
#2	16.80

Errors	LC Pass
High	50.00
Low	-.5000

Std	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	59327	---	---	---	---	---	---
SDev	55.36425	---	---	---	---	---	---
%RSD	.0933210	---	---	---	---	---	---

00589

#1	59288	--	--	--	--	--	--
#2	59366	--	--	--	--	--	--

Method: JCAP4H1 Sample Name: A100792-5 Operator: SD

Run time: 11/13/00 15:16:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.2645	.0018	1.485	.0105	-.0002	21.88
SDev	.0012	.0495	.0038	.003	.0001	.0000	.02
%RSD	136.8	18.70	212.5	.2068	1.385	5.866	.0806

#1	-.0017	.2995	-.0009	1.487	.0106	-.0002	21.89
#2	-.0000	.2295	.0044	1.483	.0104	-.0002	21.86

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0001	.0024	.0025	.4085	11.55	.0044
SDev	.0001	.0007	.0003	.0006	.0950	.02	.0007
%RSD	19.85	471.4	11.54	23.26	23.27	.1539	14.87

#1	-.0005	-.0006	.0022	.0021	.4757	11.57	.0049
#2	-.0003	.0003	.0026	.0029	.3413	11.54	.0040

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038	.0026	-.0002	-.0034	.0048	43.44	.0022
SDev	.0000	.0003	.0008	.0050	.0017	.15	.0002
%RSD	.0208	11.94	233.8	145.5	34.55	.3470	7.211

#1	.0038	.0024	.0002	-.0069	.0060	43.55	.0021
#2	.0038	.0028	-.0006	.0001	.0036	43.33	.0024

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079	.0118	.0051	-.0031	.0038	.0051	H103.7
SDev	.0003	.0001	.0022	.0003	.0037	.0006	.0
%RSD	3.494	.5805	44.31	9.873	97.38	12.79	.0048

#1	.0077	.0118	.0067	-.0033	.0064	.0056	H103.7
#2	.0081	.0117	.0035	-.0029	.0012	.0046	H103.7

00690

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	5.272
SDev	.000
%RSD	.0036

#1	5.272
#2	5.272

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	56167	---	---	---	---	---	---
SDev	8.059913	---	---	---	---	---	---
%RSD	.0143500	---	---	---	---	---	---
#1	56172	---	---	---	---	---	---
#2	56161	---	---	---	---	---	---

Method: ICP4HI Sample Name: CCB1

Operator: SD

Run Time: 11/13/00 15:21:19

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0089	H.0045	.0071	-.0000	-.0002	.0510
SDev	.0004	.0005	.0018	.0023	.0000	.0000	.0257
%RSD	2318.	5.717	40.78	32.06	1.256	8.700	50.35

#1	-.0003	.0092	H.0058	.0088	-.0000	-.0002	.0692
#2	.0003	.0085	.0032	.0055	-.0000	-.0002	.0329

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0000	H.0056	-.0005	.0386	.0331	-.0000
SDev	.0001	.0002	.0006	.0001	.0006	.0122	.0000
%RSD	75.96	354.6	10.93	24.85	1.623	36.90	3.250

#1	-.0003	-.0001	H.0060	-.0006	.0381	.0418	-.0000
#2	-.0001	.0001	H.0052	-.0004	.0390	.0245	-.0000

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050

00531

Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0015	.0022	.0004	.0003	.0014	.1326	.0018
SDev	.0003	.0008	.0003	.0018	.0033	.0505	.0000
%RSD	20.09	36.61	58.89	675.5	242.5	38.04	1.032

#1	.0017	.0028	.0003	-.0010	.0037	.1683	.0017
#2	.0013	.0016	.0006	.0015	-.0010	.0970	.0018

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0000	-.0001	.0028	-.0010	-.0017	.0027	.3505
SDev	.0006	.0002	.0032	.0020	.0081	.0009	.3639
%RSD	1553.	216.9	112.4	194.7	467.7	33.80	103.8

#1	.0004	.0000	.0051	-.0024	.0040	.0033	H.6078
#2	-.0005	-.0002	.0006	.0004	-.0074	.0020	.0932

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	k_7664
Units	ppm
AVge	.0662
SDev	.0107
%RSD	16.17

#1	.0737
#2	.0586

Errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
AVge	55103	--	--	--	--	--	--
SDev	149.7658	--	--	--	--	--	--
%RSD	.2717934	--	--	--	--	--	--
#1	54997	--	--	--	--	--	--
#2	55209	--	--	--	--	--	--

CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4855	-.0111	2.527	2.572	L2.373	2.522	-.0009
SDev	.0002	.0021	.008	.006	.004	.001	.0019
%RSD	.0344	18.88	.3169	.2439	.1559	.0519	210.6
#1	.4853	-.0096	2.522	2.567	L2.370	2.521	.0004
#2	.4856	-.0126	2.533	2.576	2.378	2.523	-.0022

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Low	LC Pass	NOCHECK
High	.5250		2.625	2.750	2.625	2.625	
Low	.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.607	2.543	2.538	2.439	.2148	-.0035	2.509
SDev	.002	.002	.001	.004	.0050	.0009	.002
%RSD	.0807	.0876	.0477	.1631	2.312	26.03	.0701
#1	2.606	2.542	2.538	2.436	.2184	-.0028	2.507
#2	2.609	2.545	2.539	2.441	.2113	-.0041	2.510

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.519	2.603	2.600	2.473	2.554	.1527	2.552
SDev	.027	.001	.008	.002	.035	.0079	.000
%RSD	1.087	.0239	.3087	.0968	1.361	5.178	.0121
#1	2.500	2.602	2.606	2.471	2.529	.1582	2.553
#2	2.538	2.603	2.594	2.474	2.578	.1471	2.552

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.504	H2.634	2.551	2.624	2.529	2.566	52.15
SDev	.002	.000	.004	.010	.021	.042	.08
%RSD	.0964	.0134	.1517	.3850	.8137	1.631	.1604
#1	2.502	H2.635	2.554	2.631	2.514	2.536	52.21
#2	2.506	H2.634	2.549	2.617	2.543	2.596	52.09

Errors	LC Pass	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avg	25.97
SDev	.02

00593

%RSD .0736

#1 25.98
#2 25.95

Errors LC Pass
High 26.25
Low 23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avg	55462	---	---	---	---	---	---
SDev	384.5943	---	---	---	---	---	---
%RSD	.6934330	---	---	---	---	---	---
#1	55190	---	---	---	---	---	---
#2	55734	---	---	---	---	---	---

Method: LCAP4H1 Sample Name: CCV9

Operator: SD

Run Time: 11/13/00 15:31:47

Comment:

Units: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	49.93	.0226	.0065	.0037	.0049	52.29
SDev	.0003	.04	.0062	.0026	.0027	.0029	.09
%RSD	20.54	.0795	27.36	40.25	73.62	58.42	.1708
#1	.0017	49.91	.0270	.0084	.0057	.0069	52.23
#2	.0013	49.96	.0182	.0047	.0018	.0029	52.35

Errors NOCHECK LC Pass NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK LC Pass
High 52.50 52.50
Low 47.50 47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037	.0053	.0060	.0045	51.62	H53.25	.0064
SDev	.0028	.0027	.0025	.0026	.08	.08	.0028
%RSD	76.89	50.50	41.51	57.91	.1494	.1590	44.20
#1	.0056	.0072	.0078	.0063	51.57	H53.19	.0084
#2	.0017	.0034	.0042	.0026	51.68	H53.31	.0044

Errors NOCHECK NOCHECK NOCHECK NOCHECK LC Pass LC High NOCHECK
High 52.50 52.50
Low 47.50 47.50

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0332	.0062	.0040	.0091	.0525	87.99	.0070
SDev	.0115	.0019	.0035	.0025	.0161	.18	.0100
%RSD	34.71	29.87	89.01	27.70	30.64	.2029	142.1

#1	.0413	.0075	.0065	.0109	.0639	87.86	.0141
#2	.0250	.0049	.0015	.0073	.0411	88.11	-.0000
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0069	.0082	.0353	-.0119	.0497	.0537	-.0271
SDev	.0026	.0026	.0014	.0046	.0112	.0185	.0090
%RSD	37.99	31.00	3.969	38.53	22.61	34.52	33.00

#1	.0087	.0100	.0362	-.0087	.0576	.0668	-.0335
#2	.0050	.0064	.0343	-.0152	.0418	.0406	-.0208
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avge	.1385
SDev	.0706
%RSD	50.96

#1	.1884
#2	.0886

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53726	--	--	--	--	--	--
SDev	3.181981	--	--	--	--	--	--
%RSD	.0059226	--	--	--	--	--	--
#1	53724	--	--	--	--	--	--
#2	53728	--	--	--	--	--	--

Method: ICA4HL Sample Name: CCR1
 Run Time: 11/13/00 15:37:02
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

00 35

Elem	Ag3280	Al3082	As1890	H_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	H.1012	H.0055	.0045	.0002	.0002	.1029
SDev	.0005	.0593	.0039	.0001	.0002	.0001	.0593
%RSD	367.1	58.65	72.13	1.214	103.3	79.21	57.66
#1	.0005	H.1431	H.0083	.0046	.0004	.0002	.1448

#2	-.0002	.0592	.0027	.0045	.0001	.0001	.0609
Errors	LC Pass	LC High	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0002	H.0059	-.0002	H.1368	.1084	.0002
SDev	.0002	.0007	.0005	.0006	.0736	.0616	.0001
%RSD	165.1	395.4	7.895	272.6	53.80	56.86	69.90
#1	.0002	.0006	H.0063	.0002	H.1888	.1520	.0003
#2	-.0000	-.0003	H.0056	-.0006	H.0847	.0648	.0001
Errors	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.0080	.0028	.0004	-.0006	.0094	.2026	.0033
SDev	.0024	.0003	.0003	.0061	.0029	.1088	.0013
%RSD	30.09	8.850	79.86	1085.	30.51	53.69	41.12
#1	H.0097	.0030	.0006	.0037	H.0114	.2795	.0042
#2	H.0063	.0027	.0002	-.0049	.0074	.1257	.0023
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0001	.0038	-.0015	.0091	.0093	.1335
SDev	.0006	.0003	.0010	.0001	.0009	.0039	.3090
%RSD	96.46	209.3	27.38	3.450	9.741	41.49	231.4
#1	.0011	.0003	.0045	-.0016	.0097	.0120	.3520
#2	.0002	-.0001	.0030	-.0015	.0085	.0066	-.0849
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	.0765						
SDev	.0369						
%RSD	48.30						
#1	.1026						
#2	.0503						
Errors	LC Pass						
High	.5000						
Low	-.5000						

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Waven	371.030	---	---	---	---	---	---
Avge	55509	---	---	---	---	---	---
SDev	238.6485	---	---	---	---	---	---
%RSD	.4299241	---	---	---	---	---	---
#1	55341	---	---	---	---	---	---
#2	55678	---	---	---	---	---	---

Method: ICAP4H1 Sample Name: A100792-6 Operator: SU
 Run Time: 11/13/00 15:42:16
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.2471	.0074	1.495	.0108	-.0001	22.20
SDev	.0006	.0042	.0028	.002	.0001	.0000	.01
%RSD	135.1	1.691	38.61	.1375	.7396	26.53	.0580

#1	.0009	.2501	.0094	1.494	.0108	-.0001	22.19
#2	.0000	.2441	.0053	1.496	.0107	-.0002	22.21

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0008	.0025	.0039	.3484	11.81	.0046
SDev	.0001	.0006	.0000	.0003	.0088	.00	.0001
%RSD	138.5	78.47	1.457	8.598	2.523	.0032	.9858

#1	-.0001	.0013	.0024	.0041	.3547	11.81	.0046
#2	-.0000	.0004	.0025	.0036	.3422	11.81	.0046

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0049	.0021	.0004	.0015	.0067	44.04	.0043
SDev	.0001	.0003	.0004	.0016	.0002	.06	.0000
%RSD	2.639	12.59	93.77	105.2	2.884	.1325	.5509

#1	.0050	.0019	.0007	.0026	.0066	44.00	.0042
#2	.0048	.0023	.0001	.0004	.0069	44.08	.0043

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V 2924	Zn2062	Zn20371	Zn20372	1960/1	1960/2	Na3302
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00597

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081	.0118	-.0005	.0006	.0026	.0085	H106.8
SDev	.0000	.0001	.0013	.0012	.0024	.0009	.2
%RSD	.2572	.5094	262.7	192.8	92.49	10.80	.1980
#1	.0081	.0118	-.0014	.0015	.0009	.0092	H106.7
#2	.0082	.0119	.0004	-.0002	.0043	.0079	H107.0
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	5.628
SDev	.043
%RSD	.7643

#1	5.598
#2	5.659

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avg	56062	---	---	---	---	---	---
SDev	294.6508	---	---	---	---	---	---
%RSD	.5255827	---	---	---	---	---	---
#1	55853	---	---	---	---	---	---
#2	56270	---	---	---	---	---	---

Method: ICAP4HI Sample Name: A100792-7

Operator: SD

Run Time: 11/13/00 15:47:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.1982	.0024	1.035	.1275	-.0002	50.01
SDev	.0003	.0042	.0019	.000	.0000	.0000	.05
%RSD	65.55	2.141	79.04	.0436	.0292	3.725	.1039

#1	-.0007	.1952	.0010	1.035	.1275	-.0002	49.97
#2	-.0002	.2012	.0037	1.034	.1275	-.0002	50.05

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2500
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0004	.0011	.0008	.2704	21.71	.0041

40698

SDev	.0000	.0006	.0001	.0003	.0070	.02	.0000
%RSD	7.029	150.1	6.638	37.83	2.604	.0924	.2544
#1	-.0002	-.0000	.0011	.0006	.2654	21.70	.0041
#2	-.0003	.0008	.0012	.0011	.2753	21.72	.0041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Flem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	.0025	.0008	-.0023	.0065	46.28	.0052
SDev	.0001	.0008	.0001	.0001	.0015	.00	.0027
%RSD	3.809	30.18	17.64	4.468	23.52	.0013	52.17
#1	.0028	.0020	.0009	-.0024	.0075	46.28	.0033
#2	.0026	.0030	.0007	-.0022	.0054	46.28	.0071

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Flem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0068	.0122	.0047	-.0013	.0036	.0077	H100.3
SDev	.0002	.0001	.0013	.0004	.0011	.0017	.0
%RSD	2.658	.4061	27.78	32.40	31.38	22.40	.0060
#1	.0069	.0122	.0056	-.0016	.0044	.0089	H100.3
#2	.0066	.0123	.0038	-.0010	.0028	.0064	H100.3

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Flem	K_7664
Units	ppm
Avge	3.053
SDev	.027
%RSD	.8888

#1	3.033
#2	3.072

Errors	LC Pass
High	50.00
Low	-.5000

Mode	1	2	3	4	5	6	7
Counts	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Flem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	55636	---	---	---	---	---	---
SDev	98.00334	---	---	---	---	---	---
%RSD	.1761494	---	---	---	---	---	---

#1 55567 -- -- -- -- --
 #2 55706 -- -- -- -- --

Method: ICAP4HI Sample Name: A100792-8 Operator: SD
 Run Time: 11/13/00 15:52:46
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	2.586	.0085	1.508	.0431	-.0002	15.41
SDev	.0002	.001	.0035	.003	.0001	.0000	.03
%RSD	201.9	.0459	41.01	.1899	.3089	7.134	.1968

#1	.0002	2.585	.0110	1.506	.0432	-.0002	15.43
#2	-.0000	2.587	.0060	1.510	.0430	-.0002	15.39

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0031	.0127	.0097	3.504	8.845	.0326
SDev	.0000	.0004	.0003	.0000	.023	.004	.0001
%RSD	1.400	12.43	2.081	.4091	.6496	.0502	.1494

#1	-.0005	.0033	.0125	.0097	3.488	8.848	.0325
#2	-.0005	.0028	.0129	.0097	3.520	8.842	.0326

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	.0083	.0009	-.0011	.0047	56.86	.0022
SDev	.0003	.0004	.0002	.0027	.0012	.00	.0002
%RSD	10.93	5.210	24.41	232.6	26.06	.0016	7.762

#1	.0027	.0080	.0011	.0007	.0039	56.86	.0023
#2	.0031	.0086	.0008	-.0030	.0056	56.86	.0020

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0185	.1852	.0053	-.0015	.0028	.0055	74.94
SDev	.0003	.0006	.0037	.0021	.0051	.0007	.05
%RSD	1.695	.3146	68.89	139.1	183.4	12.24	.0718

#1	.0183	.1848	.0027	-.0000	-.0008	.0060	74.90
#2	.0187	.1856	.0079	-.0031	.0063	.0050	74.97

00700

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge 2.545
 SDev .039
 %RSD 1.545

#1 2.517
 #2 2.573

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	56627	--	--	--	--	--	--
SDev	21.21320	--	--	--	--	--	--
%RSD	.0374614	--	--	--	--	--	--
#1	56642	--	--	--	--	--	--
#2	56612	--	--	--	--	--	--

Method: ICA4HL Sample Name: A100792-8-S1 Operator: SD
 Run Time: 11/13/00 15:58:02
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0404	4.839	.1050	2.581	.1379	.0100	34.49
SDev	.0001	.006	.0001	.008	.0001	.0000	.04
%RSD	.1952	.1264	.1405	.3030	.0348	.2749	.1076
#1	.0404	4.834	.1051	2.575	.1379	.0100	34.46
#2	.0403	4.843	.1048	2.586	.1379	.0100	34.52

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0098	.1025	.0540	.0493	4.779	28.75	.0747
SDev	.0001	.0001	.0004	.0003	.021	.03	.0000
%RSD	1.281	.1392	.7269	.6457	.4304	.1096	.0231
#1	.0099	.1026	.0537	.0490	4.764	28.72	.0747
#2	.0097	.1024	.0543	.0495	4.793	28.77	.0747

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000

00701

Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0820	.1086	.1030	.0871	.0899	59.75	.1010
SDev	.0037	.0000	.0016	.0018	.0080	.07	.0001
%RSD	4.552	.0090	1.528	2.038	8.853	.1106	.1466

#1	.0793	.1086	.1041	.0859	.0843	59.70	.1009
#2	.0846	.1086	.1019	.0884	.0955	59.80	.1011

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0594	.2909	.1037	.1023	.0848	.0922	95.58
SDev	.0001	.0002	.0017	.0032	.0094	.0072	.36
%RSD	.1580	.0688	1.653	3.125	11.07	7.853	.3763

#1	.0593	.2911	.1025	.1046	.0782	.0871	95.33
#2	.0594	.2908	.1050	.1001	.0914	.0974	95.84

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	26.97
SDev	.05
%RSD	.1687

#1	26.93
#2	27.00

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	55088	--	--	--	--	--	--
SDev	14.63656	--	--	--	--	--	--
%RSD	.0265693	--	--	--	--	--	--
#1	55078	--	--	--	--	--	--
#2	55099	--	--	--	--	--	--

00702

id CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0392	4.890	.1071	2.600	.1388	.0100	34.74
SDev	.0005	.006	.0031	.004	.0002	.0000	.00
%RSD	1.295	.1326	2.873	.1731	.1174	.1665	.0031
#1	.0388	4.885	.1093	2.604	.1387	.0100	34.74
#2	.0395	4.894	.1049	2.597	.1389	.0101	34.74

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099	.1033	.0550	.0492	4.816	28.95	.0752
SDev	.0001	.0005	.0001	.0006	.019	.01	.0001
%RSD	1.499	.4840	.2109	1.281	.3957	.0480	.1224

#1	.0098	.1030	.0549	.0487	4.803	28.94	.0752
#2	.0100	.1037	.0551	.0496	4.830	28.96	.0753

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0891	.1090	.1030	.0829	.0935	60.38	.0974
SDev	.0041	.0008	.0003	.0010	.0073	.05	.0021
%RSD	4.599	.6934	.2559	1.196	7.862	.0906	2.167

#1	.0862	.1085	.1028	.0836	.0883	60.34	.0959
#2	.0919	.1096	.1031	.0822	.0987	60.42	.0989

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0602	.2876	.1091	.0996	.0910	.0946	96.59
SDev	.0004	.0008	.0019	.0014	.0043	.0089	.27
%RSD	.6475	.2595	1.716	1.356	4.686	9.405	.2820

#1	.0600	.2945	.1104	.0987	.0880	.0883	96.40
#2	.0605	.2934	.1078	.1006	.0941	.1009	96.78

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	27.07
SDev	.00

00703

%RSD .0017

#1 27.07
#2 27.07

Errors LC Pass
High 50.00
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	55274	--	--	--	--	--	--
SDev	40.09240	--	--	--	--	--	--
%RSD	.0725340	--	--	--	--	--	--
#1	55302	--	--	--	--	--	--
#2	55246	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100792-9
Run Time: 11/13/00 16:08:33
Comment:
Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	1.351	.0169	1.102	.0087	-.0002	29.49
SDev	.0002	.001	.0016	.000	.0001	.0000	.02
%RSD	34.56	.0818	9.399	.0283	1.750	7.681	.0689

#1 .0006 1.352 .0181 1.102 .0088 -.0001 29.48
#2 .0003 1.350 .0158 1.102 .0085 -.0002 29.51

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0020	.0085	.0066	1.794	12.61	.0387
SDev	.0001	.0000	.0000	.0000	.003	.01	.0001
%RSD	20.70	1.401	.1829	.3672	.1594	.0524	.1855

#1 -.0003 .0020 .0085 .0066 1.792 12.62 .0387
#2 -.0004 .0020 .0085 .0067 1.796 12.61 .0386

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0117	.0063	.0021	.0039	.0101	44.28	.0013
SDev	.0008	.0001	.0004	.0017	.0042	.02	.0021
%RSD	7.048	2.037	20.89	44.10	41.40	.0562	170.0

00704

#1	.0123	.0062	.0024	.0027	.0130	44.26	.0028
#2	.0111	.0064	.0018	.0051	.0071	44.30	-.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0095	.0343	.0050	.0004	.0071	.0114	73.98
SDev	.0002	.0002	.0003	.0005	.0013	.0056	.18
%RSD	1.703	.6095	6.004	126.4	18.26	49.45	.2496

#1	.0097	.0345	.0052	.0008	.0080	.0153	73.85
#2	.0094	.0342	.0048	.0000	.0062	.0074	74.12
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	5.485
SDev	.000
%RSD	.0023

#1	5.485
#2	5.485

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	56501	--	--	--	--	--	--
SDev	181.7983	--	--	--	--	--	--
%RSD	.3217631	--	--	--	--	--	--
#1	56372	--	--	--	--	--	--
#2	56629	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A100792-10

Operator: SD

Run Time: 11/13/00 16:13:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	3.595	.0158	2.234	.0361	-.0003	16.71
SDev	.0001	.000	.0007	.001	.0000	.0000	.02
%RSD	48.75	.0007	4.659	.0491	.0458	2.659	.1069
#1	-.0002	3.595	.0163	2.235	.0361	-.0003	16.72

705

#2	-.0003	3.595	.0153	2.233	.0361	-.0003	16.69
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0064	.0211	.0197	9.008	9.306	.0430
SDev	.0001	.0001	.0003	.0000	.033	.015	.0000
%RSD	26.54	.7495	1.202	.0584	.3641	.1612	.0457

#1	-.0004	.0065	.0209	.0197	8.985	9.316	.0430
#2	-.0006	.0064	.0213	.0197	9.031	9.295	.0430

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0052	.0146	.0018	.0008	.0046	53.46	.0032
SDev	.0001	.0001	.0003	.0009	.0021	.02	.0005
%RSD	1.459	.6322	15.11	121.3	45.55	.0370	14.90

#1	.0051	.0146	.0020	.0014	.0061	53.48	.0035
#2	.0052	.0147	.0016	.0001	.0031	53.45	.0029

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0224	.0524	.0063	-.0007	.0038	.0047	74.82
SDev	.0002	.0004	.0022	.0015	.0011	.0037	.05
%RSD	1.053	.7258	35.69	205.3	27.85	77.73	.0604

#1	.0225	.0526	.0047	.0003	.0031	.0073	74.79
#2	.0222	.0521	.0079	-.0018	.0046	.0021	74.85

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	2.439
SDev	.021
%RSD	.8749

#1	2.454
#2	2.424

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	57350	--	--	--	--	--	--
SDev	138.9465	--	--	--	--	--	--
%RSD	.2422796	--	--	--	--	--	--
#1	57251	--	--	--	--	--	--
#2	57448	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100792-2 X4 Operator: SD
 Run Time: 11/13/00 16:19:02
 Comment:
 Mode: CONC Corr. Factor: 4

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0011	1.235	.0037	1.413	.1907	-.0008	38.26
SDev	.0022	.025	.0046	.008	.0002	.0000	.04
%RSD	189.1	1.986	124.6	.5348	.1183	2.332	.0952

#1	.0004	1.252	.0069	1.418	.1909	-.0008	38.29
#2	-.0027	1.218	.0004	1.408	.1906	-.0008	38.24

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	.0020	.0095	.0057	2.592	13.62	.0331
SDev	.0003	.0014	.0001	.0017	.096	.04	.0002
%RSD	27.38	72.37	.9167	29.29	3.692	.2675	.5927

#1	-.0008	.0030	.0094	.0069	2.660	13.65	.0333
#2	-.0013	.0010	.0096	.0045	2.525	13.60	.0330

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sr1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0136	.0044	-.0002	-.0143	.0161	47.12	.0140
SDev	.0019	.0001	.0023	.0042	.0005	.20	.0278
%RSD	14.29	2.391	919.8	29.19	3.360	.4184	198.5

#1	.0149	.0044	.0014	-.0114	.0157	47.26	.0337
#2	.0122	.0045	-.0019	-.0173	.0164	46.98	-.0057

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0139	.3383	.0160	-.0093	.0090	.0186	105.5
SDev	.0013	.0012	.0034	.0052	.0043	.0013	.4
%RSD	9.142	.3656	21.33	55.88	47.03	7.082	.3979

#1	.0148	.3375	.0136	-.0056	.0060	.0195	105.8
#2	.0130	.3392	.0184	-.0129	.0121	.0177	105.2

Elem	K_7664
Units	ppm
Avge	2.603
SDev	.018

00707

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%RSD .6875

#1 2.616
#2 2.591

Table with 8 columns: IntStd, Mode, Elem, Wavlen, Avge, SDev, %RSD, and two columns for #1 and #2. Rows include counts and standard deviations for various elements.

Method: ICAP4HI Sample Name: A110140-1 Operator: SD
Run Time: 11/13/00 16:24:15
Comment:
Mode: CONC Corr. Factor: 1

Table with 8 columns: Elem, Units, Avge, %RSD, and two columns for #1 and #2. Rows include Ag3280, Al3082, As1890, B_2496, Ba4934, Be3130, and Ca3179.

Table with 8 columns: Errors, High, Low, and two columns for #1 and #2. Rows include LC Pass values for various elements.

Table with 8 columns: Elem, Units, Avge, SDev, %RSD, and two columns for #1 and #2. Rows include Cd2265, Co2286, Cr2677, Cu3247, Fe2714, Mg2790, and Mn2576.

Table with 8 columns: Errors, High, Low, and two columns for #1 and #2. Rows include LC Pass values for various elements.

Table with 8 columns: Elem, Units, Avge, SDev, %RSD, and two columns for #1 and #2. Rows include Mo2020, Ni2316, Pb2203, Sb2068, Se1960, Si2881, and Ti1908.

Table with 8 columns: Errors, High, Low, and two columns for #1 and #2. Rows include LC Pass values for various elements.

00700

High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	.1708	.0332	.0238	.0028	.0031	H193.4
SDev	.0000	.0001	.0003	.0011	.0015	.0014	.1
%RSD	1.088	.0540	.7980	4.769	52.23	44.05	.0322

#1	.0034	.1707	.0330	.0246	.0039	.0022	H193.4
#2	.0035	.1708	.0334	.0230	.0018	.0041	H193.3

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	24.33
SDev	.01
%RSD	.0497

#1	24.32
#2	24.34

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	56210	--	--	--	--	--	--
SDev	1.270583	--	--	--	--	--	--
%RSD	.0022604	--	--	--	--	--	--
#1	56211	--	--	--	--	--	--
#2	56210	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A100140-2
 Run Time: 11/13/00 16:29:29
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0664	.0014	.4969	.0080	-.0002	32.50
SDev	.0003	.0050	.0020	.0001	.0000	.0000	.03
%RSD	179.5	7.557	139.9	.0193	.0483	.3084	.0902
#1	-.0003	.0699	.0000	.4970	.0080	-.0002	32.48
#2	.0000	.0628	.0028	.4968	.0080	-.0002	32.52

00709

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0002	.0008	.0081	.1297	27.22	.1314
SDev	.0000	.0002	.0006	.0004	.0016	.04	.0000
%RSD	2.880	75.25	82.09	5.038	1.261	.1528	.0271
#1	-.0002	.0001	.0003	.0078	.1308	27.19	.1314
#2	-.0002	.0004	.0012	.0084	.1285	27.25	.1314
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0139	.0055	.0010	.0007	.0044	11.70	.0034
SDev	.0012	.0004	.0002	.0008	.0007	.01	.0020
%RSD	8.926	7.327	20.85	88.28	16.93	.0530	60.90
#1	.0130	.0052	.0008	.0012	.0039	11.71	.0019
#2	.0147	.0058	.0011	.0003	.0049	11.70	.0048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0332	.0063	-.0019	.0064	.0031	H195.8
SDev	.0007	.0000	.0025	.0009	.0005	.0014	.2
%RSD	92.16	.0322	39.20	48.00	8.249	43.83	.0877
#1	.0003	.0332	.0046	-.0013	.0068	.0022	H195.9
#2	.0013	.0332	.0081	-.0026	.0060	.0041	H195.6
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	23.88						
SDev	.03						
%RSD	.1275						
#1	23.90						
#2	23.86						
Errors	LC Pass						
High	50.00						
Low	-.5000						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--

00710

Wavlen	371.030	---	---	---	---	---	---
Avge	55680	---	---	---	---	---	---
SDev	117.0952	---	---	---	---	---	---
%RSD	.2103003	---	---	---	---	---	---
#1	55597	---	---	---	---	---	---
#2	55763	---	---	---	---	---	---

Method: ICAP4H1 Sample Name: CCB1 Operator: SU
 Run Time: 11/13/00 16:34:43
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	-.0026	.0017	.0041	-.0001	-.0002	.0748
SDev	.0001	.0009	.0006	.0002	.0000	.0000	.0396
%RSD	259.7	36.29	36.05	5.201	13.53	14.60	52.94
#1	.0001	-.0032	.0012	.0040	-.0001	-.0002	.1028
#2	-.0000	-.0019	.0021	.0043	-.0001	-.0002	.0468

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0002	H.0056	-.0001	.0192	.0645	.0002
SDev	.0001	.0002	.0005	.0002	.0010	.0309	.0002
%RSD	84.12	138.6	9.408	196.3	5.447	47.88	75.20
#1	-.0000	.0000	H.0052	.0000	.0185	.0864	.0003
#2	-.0001	.0003	H.0060	-.0002	.0200	.0427	.0001

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	.0022	.0001	-.0002	.0015	.0254	.0006
SDev	.0003	.0008	.0000	.0032	.0005	.0149	.0008
%RSD	12.23	38.23	76.44	1324.	31.15	58.83	137.8
#1	.0028	.0016	.0000	-.0025	.0019	.0359	.0012
#2	.0023	.0027	.0001	.0020	.0012	.0148	.0000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0012	.0017	-.0010	-.0022	.0032	H.5926
SDev	.0006	.0002	.0017	.0008	.0014	.0014	.0114
%RSD	500.0	18.61	100.1	77.92	64.18	45.17	1.921

00711

analysis Report

11/13/00 04:39:51 PM

.551 2.547
 Pass LC Pass
 .625 2.625
 .375 2.375
 2316 Pb2203
 ppm
 .580 2.615
 .002 .005
 .639 .2069
 .579 2.619
 .582 2.611

#1 -.0003 .0013 .0005 -.0004 -.0032 .0042
 #2 .0005 .0010 .0028 -.0015 -.0012 .0022
 Errors LC Pass LC Pass NOCHECK NOCHECK NOCHECK NOCHE
 High .0020 .0200
 Low -.0020 -.0200
 Elem K_7664
 Units ppm
 Avge .1613
 SDev .0304
 %RSD 18.87

Pass LC Pass
 .625 2.625
 .375 2.375
 2062 2203/1
 ppm
 .635 2.566
 .008 .004
 .002 .1401
 .635 2.568
 .641 2.563
 High NOCHECK
 .625
 .375

#1 .1828
 #2 .1398
 Errors LC Pass
 High .5000
 Low -.5000
 IntStd 1 2 3 4 5 6
 Mode Counts NOTUSED NOTUSED NOTUSED NOTUSED NOTUSED
 Elem Y --- --- --- --- --- ---
 Wavlen 371.030 --- --- --- --- --- ---
 Avge 56370 --- --- --- --- --- ---
 SDev 40.51501 --- --- --- --- --- ---
 %RSD .0718732 --- --- --- --- --- ---
 #1 56399 --- --- --- --- --- ---
 #2 56342 --- --- --- --- --- ---

Method: ICP4H1 Sample Name: CCV10 Operator:
 Run Time: 11/13/00 16:39:57
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4841	-.0163	2.527	2.538	2.390	2.530
SDev	.0007	.0003	.022	.001	.001	.004
%RSD	.1496	1.628	.8872	.0469	.0620	.1679

#1	.4836	-.0165	2.511	2.537	2.389	2.527
#2	.4846	-.0161	2.543	2.539	2.391	2.533

3
 NOTUSED

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pas
High	.5250		2.625	2.750	2.625	2.625
Low	.4750		2.375	2.250	2.375	2.375
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.602	2.549	2.544	2.446	.2078	-.0018
SDev	.004	.003	.005	.002	.0037	.0009
%RSD	.1573	.1242	.1914	.0618	1.805	51.36
#1	2.600	2.547	2.540	2.445	0.2059	-.0005

Code: ICAP4HI Sample Name: CCV11
 Run Time: 11/13/00 16:45:12
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	50.10	.0224	.0064	.0039	.0050	52.27
SD	.0009	.08	.0093	.0045	.0029	.0029	.01
%RSD	78.83	.1507	41.70	71.02	74.30	57.51	.0137
#1	.0018	50.05	.0290	.0096	.0059	.0071	52.28
#2	.0005	50.16	.0158	.0032	.0018	.0030	52.27
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039	.0053	.0062	.0050	51.64	53.32	.0066
SD	.0030	.0031	.0031	.0035	.01	.02	.0029
%RSD	77.01	58.22	49.64	69.49	.0287	.0356	44.57
#1	.0061	.0074	.0083	.0075	51.63	53.33	.0086
#2	.0018	.0031	.0040	.0026	51.65	53.31	.0045
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0340	.0066	.0041	.0083	.0523	87.81	.0055
SD	.0114	.0026	.0033	.0076	.0188	.15	.0003
%RSD	33.49	39.50	79.90	91.59	35.97	.1714	5.982
#1	.0421	.0085	.0064	.0136	.0656	87.70	.0057
#2	.0260	.0048	.0018	.0029	.0390	87.92	.0053
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069	.0082	.0376	-.0129	.0454	.0555	.1139
SD	.0031	.0031	.0032	.0033	.0154	.0205	.2731
%RSD	45.41	38.12	8.421	25.50	33.93	36.98	239.6
#1	.0091	.0104	.0399	-.0106	.0563	.0700	.3070
#2	.0047	.0060	.0354	-.0153	.0345	.0410	-.0791
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							
Elem	K 7864						

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Units ppm
 Avge .1508
 SDev .0737
 %RSD 48.89

#1 .2029
 #2 .0987

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	54259	--	--	--	--	--	--
SDev	138.7338	--	--	--	--	--	--
%RSD	.2556899	--	--	--	--	--	--
#1	54161	--	--	--	--	--	--
#2	54357	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CC81
 Run Time: 11/13/00 16:50:27
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0951	H.0043	.0031	.0002	.0001	.1014
SDev	.0003	.0506	.0017	.0006	.0001	.0001	.0573
%RSD	114.1	53.18	40.06	20.21	56.07	87.89	56.50
#1	-.0005	H.1309	H.0055	.0035	.0002	.0002	.1419
#2	-.0001	.0594	.0031	.0026	.0001	.0001	.0609

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0002	H.0056	-.0004	H.1294	.1050	.0001
SDev	.0002	.0001	.0004	.0000	.0637	.0529	.0001
%RSD	79.86	46.31	7.215	6.443	49.22	50.43	105.7
#1	.0004	.0003	H.0059	-.0005	H.1745	.1424	.0002
#2	.0001	.0001	H.0053	-.0004	H.0844	.0675	.0000

Errors	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.0078	.0025	.0007	.0001	H.0130	.1870	-.0001

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SDev	.0016	.0007	.0004	.0027	.0028	.1030	.0062
%RSD	20.70	28.90	58.29	2131.	21.77	55.07	5678.
#1	H.0090	.0030	.0009	-.0018	H.0149	.2598	-.0045
#2	H.0067	.0020	.0004	.0020	H.0110	.1142	.0043

Errors High	LC High	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
Low	.0050	.0050	.0030	.0100	.0100	1.000	.0100
	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem Units	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Avge	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SDev	.0002	.0000	.0040	-.0013	.0101	.0141	.0398
%RSD	.0006	.0003	.0037	.0013	.0051	.0017	.2006
	254.1	9809.	91.30	99.93	50.48	11.92	503.4

#1	.0006	.0002	.0066	-.0021	.0137	.0153	.1817
#2	-.0002	-.0002	.0014	-.0004	.0065	.0130	-.1020

Errors High	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
Low	.0020	.0200					.5000
	-.0020	-.0200					-.5000

Elem Units	K_7664
Avge	ppm
SDev	.0483
%RSD	.0497
	102.9

#1	.0132
#2	.0835

Errors High	LC Pass
Low	.5000
	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	56232	---	---	---	---	---	---
SDev	69.36828	---	---	---	---	---	---
%RSD	.1233605	---	---	---	---	---	---
#1	56281	---	---	---	---	---	---
#2	56183	---	---	---	---	---	---

Method: ICA4HI Sample Name: A110104-1-SU 929GCP1 Operator: SD

Run Time: 11/13/00 16:55:42

Code: CONC Corr. Factor: 1

Elem Units	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Avge	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SDev	-.0001	.0095	.0023	.0013	.0000	-.0001	.0319
	.0002	.0024	.0004	.0009	.0000	.0000	.0035

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%RSD	153.7	25.44	15.53	65.10	4.163	17.63	11.02
#1	-.0003	.0112	.0026	.0019	.0000	-.0001	.0344
#2	.0000	.0078	.0021	.0007	.0000	-.0001	.0294
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0000	-.0000	.0002	.0068	.0143	-.0003
SDev	.0002	.0001	.0000	.0004	.0085	.0044	.0000
%RSD	127.9	2634.	849.8	221.7	124.1	30.88	5.750
#1	-.0000	-.0001	-.0000	-.0001	.0128	.0175	-.0003
#2	-.0002	.0001	.0000	.0005	.0008	.0112	-.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	.0004	.0006	-.0017	.0055	.1015	.0017
SDev	.0003	.0002	.0005	.0038	.0011	.0041	.0000
%RSD	10.65	57.09	88.68	218.0	19.74	4.025	.8099
#1	.0029	.0003	.0002	-.0044	.0063	.1044	.0017
#2	.0025	.0006	.0009	.0009	.0047	.0987	.0017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0076	.0024	-.0006	.0041	.0060	.0401
SDev	.0000	.0001	.0003	.0009	.0000	.0016	.0046
%RSD	35.97	.8842	11.96	151.4	.1654	27.12	11.34
#1	-.0001	.0077	.0026	-.0012	.0041	.0072	.0369
#2	-.0001	.0076	.0022	.0000	.0041	.0049	.0433
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	.0646						
SDev	.0294						
%RSD	45.46						
#1	.0438						
#2	.0853						

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Errors LC Pass
High 50.00
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	56476	--	--	--	--	--	--
SDev	116.2472	--	--	--	--	--	--
%RSD	.2058351	--	--	--	--	--	--
#1	56394	--	--	--	--	--	--
#2	56558	--	--	--	--	--	--

Method: ICAP4HL Sample Name: A110104-1-L1 200.2 Operator: SD
 Run Time: 11/13/00 17:00:57
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0402	2.061	.1017	1.010	.0963	.0101	19.53
SDev	.0001	.008	.0021	.001	.0001	.0000	.02
%RSD	.2048	.3830	2.103	.1212	.1511	.0108	.0970
#1	.0401	2.055	.1002	1.009	.0962	.0101	19.52
#2	.0402	2.066	.1032	1.011	.0964	.0101	19.54

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0102	.1008	.0413	.0391	.9654	20.11	.0407
SDev	.0001	.0003	.0002	.0000	.0089	.01	.0001
%RSD	.9946	.3052	.4447	.1143	.9272	.0415	.1692
#1	.0103	.1006	.0414	.0391	.9590	20.11	.0406
#2	.0102	.1010	.0412	.0392	.9717	20.12	.0407

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0818	.1023	.1028	.0972	.0889	.3310	.0996
SDev	.0065	.0003	.0004	.0014	.0100	.0012	.0057
%RSD	7.946	.2682	.3995	1.442	11.19	.3718	5.721
#1	.0772	.1025	.1031	.0982	.0819	.3302	.0956
#2	.0864	.1021	.1025	.0962	.0960	.3319	.1037

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 5.000 171.0 5.000

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Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0412	.1125	.1060	.1010	.0882	.0891	22.70
SDev	.0001	.0000	.0011	.0001	.0046	.0126	.00
%RSD	.1597	.0203	1.034	.0678	5.173	14.20	.0155

#1	.0412	.1125	.1068	.1010	.0850	.0801	22.70
#2	.0411	.1125	.1052	.1009	.0914	.0980	22.69

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	21.54
SDev	.02
%RSD	.0795

#1	21.52
#2	21.55

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wave	371.030	--	--	--	--	--	--
Avg	55234	--	--	--	--	--	--
SDev	42.42641	--	--	--	--	--	--
%RSD	.0768127	--	--	--	--	--	--
#1	55264	--	--	--	--	--	--
#2	55204	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110104-1-L2 Operator: SD
 Run Time: 11/13/00 17:06:13
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0405	2.143	.1021	1.022	.0973	.0102	19.70
SDev	.0006	.004	.0008	.000	.0001	.0000	.00
%RSD	1.540	.1879	.8367	.0277	.0905	.0740	.0217
#1	.0410	2.145	.1015	1.022	.0973	.0102	19.71
#2	.0401	2.140	.1027	1.022	.0972	.0102	19.70

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

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Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0102	.1012	.0415	.0396	.9709	20.27	.0411
SDev	.0001	.0004	.0001	.0002	.0007	.01	.0001
%RSD	1.076	.4322	.3728	.6040	.0690	.0697	.2515

#1	.0103	.1015	.0416	.0398	.9705	20.28	.0412
#2	.0101	.1009	.0414	.0395	.9714	20.26	.0411

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0899	.1024	.1038	.1006	.0952	.3291	.1014
SDev	.0031	.0008	.0016	.0011	.0005	.0047	.0006
%RSD	3.421	.8347	1.572	1.104	.5468	1.418	.6240

#1	.0877	.1018	.1049	.1014	.0948	.3324	.1010
#2	.0920	.1030	.1026	.0998	.0956	.3258	.1018

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0414	.1139	.1082	.1013	.0936	.0958	22.89
SDev	.0004	.0004	.0024	.0036	.0056	.0020	.01
%RSD	1.087	.3354	2.182	3.580	6.021	2.125	.0369

#1	.0411	.1142	.1066	.1039	.0896	.0972	22.90
#2	.0417	.1136	.1099	.0988	.0976	.0944	22.89

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	21.72
SDev	.01
%RSD	.0454

#1	21.71
#2	21.73

Errors	LC Pass
High	50.00
Low	-.5000

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	54618	--	--	--	--	--	--
SDev	135.5518	--	--	--	--	--	--
%RSD	.2481795	--	--	--	--	--	--
#1	54523	--	--	--	--	--	--
#2	54714	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A110104-1 Operator: SD
 Run Time: 11/13/00 17:11:28
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0753	.0034	.0314	.0087	-.0001	5.198
SDev	.0011	.0081	.0015	.0019	.0003	.0000	.024
%RSD	226.5	10.76	44.42	6.211	2.950	18.88	.4648
#1	.0003	.0810	.0044	.0327	.0089	-.0001	5.215
#2	-.0013	.0695	.0023	.0300	.0086	-.0002	5.181

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0001	.0015	.0137	.1129	1.274	.0023
SDev	.0001	.0009	.0003	.0011	.0176	.030	.0002
%RSD	36.90	843.1	20.59	7.895	15.59	2.374	7.330
#1	.0002	.0005	.0018	.0144	.1253	1.296	.0024
#2	.0001	-.0008	.0013	.0129	.1004	1.253	.0022

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0093	.0013	.0033	-.0039	.0091	8.752	.0025
SDev	.0016	.0007	.0009	.0049	.0026	.005	.0008
%RSD	17.09	59.20	26.48	124.1	29.09	.0605	33.53
#1	.0105	.0018	.0040	-.0005	.0109	8.749	.0019
#2	.0082	.0007	.0027	-.0074	.0072	8.756	.0031

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0294	.0083	.0006	.0107	.0080	13.05
SDev	.0004	.0005	.0013	.0020	.0006	.0043	.15
%RSD	44.45	1.585	15.83	318.3	6.117	53.20	1.148

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#1	.0012	.0298	.0074	.0020	.0102	.0110	13.16
#2	.0006	.0291	.0093	-.0008	.0111	.0050	12.95
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge 1.456
 SDev .043
 %RSD 2.972

#1	1.486
#2	1.425

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Waven	371.030	---	---	---	---	---	---
A	56132	---	---	---	---	---	---
SDev	100.9754	---	---	---	---	---	---
%RSD	.1798898	---	---	---	---	---	---

#1	56060	---	---	---	---	---	---
#2	56203	---	---	---	---	---	---

Method: LCAP4H1 Sample Name: A110104-1-S1 Operator: SD
 Run Time: 11/13/00 17:16:43
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0403	2.154	.1029	1.012	.1059	.0103	24.79
SDev	.0006	.001	.0038	.003	.0001	.0000	.04
%RSD	1.523	.0572	3.653	.2935	.0702	.3140	.1792

#1	.0398	2.155	.1002	1.010	.1058	.0102	24.76
#2	.0407	2.153	.1056	1.014	.1060	.0103	24.83

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0106	.1012	.0422	.0531	1.078	21.48	.0437
SDev	.0001	.0011	.0003	.0006	.016	.07	.0001
%RSD	.7874	1.101	.6588	1.090	1.471	.3141	.3385

#1	.0107	.1004	.0420	.0527	1.067	21.43	.0436
#2	.0106	.1020	.0424	.0535	1.090	21.53	.0438

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0887	.1031	.1080	.0988	.0917	9.402	.1034
SDev	.0044	.0003	.0012	.0026	.0115	.001	.0014
%RSD	4.975	.3249	1.077	2.666	12.60	.0102	1.319

#1	.0855	.1033	.1072	.0989	.0835	9.402	.1043
#2	.0918	.1028	.1088	.1007	.0999	9.401	.1024

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0417	.1780	.1084	.1076	.0826	.0928	35.31
SDev	.0003	.0008	.0005	.0015	.0074	.0137	.01
%RSD	.8300	.3494	.4848	1.395	8.264	14.70	.0345

#1	.0414	.1776	.1081	.1065	.0838	.0832	35.32
#2	.0419	.1785	.1088	.1086	.0942	.1025	35.30

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	23.72
SDev	.06
%RSD	.2588

#1	23.76
#2	23.67

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	55286	--	--	--	--	--	--
SDev	.6380534	--	--	--	--	--	--
%RSD	.0011541	--	--	--	--	--	--

#1	55286	--	--	--	--	--	--
#2	55287	--	--	--	--	--	-- 00723

Id: ICAP4H1 Sample Name: A110104-1-S2

Operator: SD

Run Time: 11/13/00 17:21:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0389	2.207	.0987	1.042	.1030	.0100	24.24
SDev	.0000	.003	.0004	.002	.0000	.0000	.01
%RSD	.0089	.1179	.3723	.1826	.0001	.0587	.0364

#1	.0389	2.209	.0990	1.040	.1030	.0100	24.25
#2	.0389	2.205	.0985	1.043	.1030	.0100	24.23

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0103	.0986	.0414	.0511	1.052	20.95	.0427
SDev	.0001	.0002	.0006	.0002	.001	.02	.0001
%RSD	1.061	.2075	1.331	.4312	.1377	.0959	.1299

#1	.0102	.0987	.0418	.0513	1.053	20.97	.0427
#2	.0103	.0984	.0410	.0446	1.051	20.94	.0426

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0899	.1021	.1058	.0973	.0950	9.252	.0982
SDev	.0032	.0001	.0008	.0020	.0026	.001	.0016
%RSD	3.561	.0633	.7253	2.063	2.743	.0084	1.633

#1	.0877	.1022	.1064	.0988	.0932	9.251	.0971
#2	.0922	.1021	.1053	.0959	.0969	9.253	.0994

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0410	.1357	.1088	.1041	.0945	.0951	34.76
SDev	.0006	.0003	.0018	.0003	.0013	.0032	.23
%RSD	1.477	.2051	1.622	.2578	1.399	3.397	.6544

#1	.0414	.1359	.1101	.1043	.0935	.0928	34.93
#2	.0405	.1355	.1076	.1039	.0954	.0974	34.60

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.00724
Low	-.0020	-.0200					-.5000

Elem K_7664

Units ppm
 Avge 23.18
 SDev .01
 %RSD .0310

#1 23.17
 #2 23.18

Errors LC Pass
 High 50.00
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	56589	--	--	--	--	--	--
SDev	143.8272	--	--	--	--	--	--
%RSD	.2541597	--	--	--	--	--	--
#1	56488	--	--	--	--	--	--
#2	56691	--	--	--	--	--	--

Method: ICP4HI Sample Name: A110036-1
 Run Time: 11/13/00 17:27:12
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.5511	.0161	1.017	.2217	-.0002	H640.0
SDev	.0004	.0013	.0036	.002	.0002	.0000	.7
%RSD	54.13	.2325	22.22	.1813	.0904	3.769	.1032

#1 -.0005 .5520 .0187 1.018 .2216 -.0002 H640.5
 #2 -.0011 .5502 .0138 1.018 .2218 -.0002 H639.6

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC High
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0023	.0017	.0488	8.183	H1308.	H5.919
SDev	.0000	.0006	.0004	.0002	.013	3.	.002
%RSD	24.68	24.92	22.62	.4152	.1643	.2056	.0359

#1 -.0001 .0027 .0020 .0489 8.174 H1310. H5.918
 #2 -.0002 .0019 .0014 .0487 8.193 H1306. H5.921

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC High LC High
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908.0725
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0143	.0136	.0048	.0111	.0150	21.25	.0135

SDev	.0014	.0002	.0007	.0049	.0041	.01	.0006
%RSD	10.12	1.567	14.52	44.49	27.15	.0326	4.499
#1	.0153	.0134	.0043	.0146	.0179	21.26	.0139
#2	.0133	.0137	.0053	.0076	.0121	21.25	.0130
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058	.1232	.0071	.0034	.0124	.0161	H615.8
SDev	.0006	.0004	.0006	.0007	.0060	.0031	.9
%RSD	11.22	.3190	9.038	21.53	48.96	19.24	.1486
#1	.0063	.1235	.0066	.0029	.0166	.0182	H615.1
#2	.0054	.1230	.0075	.0039	.0081	.0139	H616.4

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	8.276
SDev	.060
%RSD	.7242

#1	8.318
#2	8.234

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	47787	--	--	--	--	--	--
SDev	201.3127	--	--	--	--	--	--
%RSD	.4212670	--	--	--	--	--	--
#1	47930	--	--	--	--	--	--
#2	47645	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110036-2

Operator: SD

Run Time: 11/13/00 17:32:26

Acq Int:

Mode: CONC Corr. Factor: 1

00726

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0165	.0150	.9838	.2054	-.0002	H623.7
SDev	.0010	.0009	.0010	.0008	.0002	.0000	1.2

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%RSD	1441.	5.563	6.990	.0868	.1164	15.80	.1845
#1	-.0007	.0171	.0142	.9844	.2056	-.0002	H622.9
#2	.0006	.0158	.0157	.9832	.2053	-.0001	H624.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0022	-.0012	.0003	4.469	H1277.	H5.759
SDev	.0001	.0005	.0001	.0002	.023	3.	.005
%RSD	52.53	24.04	8.268	71.06	.5050	.2032	.0919
#1	-.0004	.0018	-.0012	.0002	4.453	H1275.	H5.755
#2	-.0002	.0025	-.0013	.0005	4.485	H1278.	H5.762
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC High
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088	.0113	.0009	.0086	.0040	18.68	.0141
SDev	.0006	.0003	.0008	.0020	.0038	.01	.0011
%RSD	6.347	3.009	93.36	23.55	96.29	.0313	8.039
#1	.0084	.0116	.0015	.0072	.0013	18.69	.0149
#2	.0092	.0111	.0003	.0101	.0067	18.68	.0133
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0420	.0040	-.0009	.0051	.0032	H606.0
SDev	.0001	.0004	.0051	.0013	.0041	.0078	.8
%RSD	6.065	1.080	128.1	141.9	80.68	246.3	.1309
#1	.0012	.0417	.0075	-.0018	.0079	-.0023	H606.6
#2	.0011	.0423	.0004	.0000	.0022	.0087	H605.5
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	7.356						
SDev	.010						
%RSD	.1400						
#1	7.364						
#2	7.349						

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Errors LC Pass
High 50.00
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	49295	--	--	--	--	--	--
SDev	98.00610	--	--	--	--	--	--
%RSD	.1988139	--	--	--	--	--	--
#1	49365	--	--	--	--	--	--
#2	49226	--	--	--	--	--	--

Method: ICA4HL Sample Name: A110036-3
Run Time: 11/13/00 17:37:41
Comment:
Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0243	.0153	.9017	.1945	-.0002	H582.7
SDev	.0005	.0032	.0009	.0036	.0001	.0000	.0
%	164.7	13.11	5.809	.3957	.0348	3.744	.0047
#1	-.0007	.0221	.0160	.9043	.1945	-.0002	H582.7
#2	.0001	.0266	.0147	.8992	.1946	-.0002	H582.7

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC High
High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0024	-.0011	.0007	4.509	H1159.	H5.325
SDev	.0001	.0006	.0001	.0006	.025	4.	.003
%RSU	51.01	23.64	5.194	92.05	.5623	.3471	.0482
#1	-.0003	.0020	-.0011	.0002	4.491	H1156.	H5.323
#2	-.0001	.0028	-.0010	.0012	4.527	H1162.	H5.327

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC High LC High
High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0064	.0120	.0001	.0106	.0055	18.02	.0120
SDev	.0000	.0001	.0007	.0013	.0002	.02	.0002
%	.4567	1.074	510.7	11.89	3.033	.0893	1.480
#1	.0063	.0121	-.0004	.0115	.0056	18.01	.0121
#2	.0064	.0120	.0007	.0097	.0054	18.03	.0118

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
High 5.000 5.000 5.000 5.000 5.000 171.0 5.000

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Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0660	.0027	-.0014	.0053	.0054	H573.9
SDev	.0000	.0000	.0016	.0019	.0030	.0013	.2
%RSD	2.551	.0309	59.08	134.3	57.07	23.45	.0293
#1	.0013	.0660	.0038	-.0027	.0074	.0045	H573.8
#2	.0012	.0660	.0018	-.0001	.0032	.0063	H574.0
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	H55.65
SDev	.07
%RSD	.1243

#1	H55.70
#2	H55.61

Errors	LC High
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	49201	--	--	--	--	--	--
SDev	260.7125	--	--	--	--	--	--
%RSD	.5298889	--	--	--	--	--	--
#1	49017	--	--	--	--	--	--
#2	49386	--	--	--	--	--	--

Method: ICAP4HL Sample Name: A110036-4

Operator: SD

Run Time: 11/13/00 17:42:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	1.659	.0170	.9197	.1866	-.0002	H527.7
SDev	.0004	.002	.0027	.0041	.0003	.0000	.1
%RSD	153.3	.1167	15.53	.4449	.1361	5.789	.0188
#1	-.0000	1.658	.0152	.9168	.1867	-.0002	H527.8
#2	.0005	1.660	.0189	.9226	.1864	-.0002	H527.6 00729
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0027	.0073	.6823	8.350	H1121.	4.585
SDev	.0000	.0002	.0002	.0011	.004	1.	.000
%RSD	47.50	6.385	3.057	.1624	.0438	.0950	.0088

#1	.0001	.0028	.0072	.6815	8.348	H1121.	4.586
#2	.0000	.0025	.0075	.6831	8.353	H1120.	4.585

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0069	.0169	.0280	.0134	.0064	21.70	.0130
SDev	.0005	.0003	.0003	.0011	.0010	.01	.0006
%RSD	7.204	1.719	.8786	8.008	16.00	.0344	4.427

#1	.0066	.0167	.0282	.0141	.0071	21.69	.0126
#2	.0073	.0171	.0278	.0126	.0057	21.70	.0134

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0086	.4092	.0286	.0274	.0042	.0072	H796.5
SDev	.0005	.0002	.0028	.0018	.0010	.0021	.4
%RSD	5.779	.0452	9.924	6.460	24.46	28.63	.0542

#1	.0082	.4026	.0266	.0286	.0035	.0087	H796.8
#2	.0089	.4093	.0307	.0261	.0049	.0058	H796.2

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	H69.45
SDev	.01
%RSD	.0193

#1	H69.44
#2	H69.46

Errors	LC High
High	50.00
Low	-.5000

00730

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

Avge	49276	--	--	--	--	--	--
SDev	27.15456	--	--	--	--	--	--
%RSD	.0551065	--	--	--	--	--	--
#1	49257	--	--	--	--	--	--
#2	49296	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: CCR1 Operator: SD
 Run Time: 11/13/00 17:48:10
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0037	H.0045	.0041	.0003	-.0002	H1.369
SDev	.0009	.0025	.0013	.0002	.0001	.0000	.696
%RSD	3604.	67.46	28.99	4.597	53.33	6.115	50.87
#1	-.0006	.0019	.0036	.0040	.0004	-.0002	H1.861
#2	.0006	.0055	H.0055	.0043	.0002	-.0002	H.8763

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC High
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0001	.0050	.0006	.0449	H2.211	H.0108
SDev	.0001	.0005	.0007	.0000	.0047	1.109	.0055
%RSD	37.28	687.7	13.67	2.752	10.57	50.19	50.81
#1	-.0003	-.0003	.0045	.0006	.0483	H2.995	H.0146
#2	-.0002	.0004	H.0055	.0006	.0415	H1.426	H.0069

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC High
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0016	-.0001	.0010	.0062	.0534	.0043
SDev	.0003	.0002	.0002	.0044	.0006	.0195	.0003
%RSD	14.34	14.85	196.4	432.0	9.756	36.55	7.885
#1	.0020	.0015	-.0003	-.0021	.0067	.0672	.0040
#2	.0016	.0018	.0000	.0041	.0058	.0396	.0045

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0007	.0001	-.0005	-.0012	.0097	H2.927
SDev	.0006	.0005	.0025	.0009	.0049	.0033	1.385
%RSD	159.3	68.68	3604.	203.6	394.9	34.24	47.30

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#1	-.0009	.0011	-.0017	.0002	-.0047	.0121	H3.906
#2	.0001	.0004	.0018	-.0011	.0022	.0074	H1.948
Errors High	LC Pass .0020	LC Pass .0200	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High .5000
Errors Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge .1215
 SDev .0231
 %RSD 19.02

#1	.1379
#2	.1052
Errors High	LC Pass .5000
Errors Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavelength	371.030	--	--	--	--	--	--
A	56091	--	--	--	--	--	--
SDev	99.91198	--	--	--	--	--	--
%RSD	.1781243	--	--	--	--	--	--
#1	56021	--	--	--	--	--	--
#2	56162	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCV12 Operator: SD
 Run Time: 11/13/00 17:53:25
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4848	-.0185	2.525	2.534	2.378	2.525	.0627
SDev	.0007	.0005	.011	.001	.002	.002	.0307
%RSD	.1399	2.756	.4523	.0233	.0862	.0951	49.02

#1	.4843	-.0181	2.517	2.535	2.376	2.523	.0844
#2	.4853	-.0189	2.533	2.534	2.379	2.527	.0409

Errors High	LC Pass .5250	NOCHECK	LC Pass 2.625	LC Pass 2.750	LC Pass 2.625	LC Pass 2.625	NOCHECK
Errors Low	.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.603	2.545	2.540	2.436	.2077	.1078	2.499
SDev	.001	.001	.003	.002	.0011	.0486	.003
%RSD	.0431	.0523	.1297	.0807	.5294	45.04	.1061

#1	2.602	2.544	2.537	2.435	.2085	.1422	2.498
#2	2.603	2.546	2.542	2.437	.2069	.0735	2.501

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.521	2.580	2.611	2.476	2.565	.1139	2.540
SDev	.035	.005	.005	.005	.048	.0048	.010
%RSD	1.400	.1830	.2054	.1917	1.877	4.226	.3852

#1	2.496	2.583	2.614	2.473	2.531	.1173	2.533
#2	2.546	2.576	2.607	2.480	2.599	.1105	2.547

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.502	H2.639	2.566	2.632	2.544	2.576	52.34
SDev	.002	.000	.000	.008	.024	.060	.02
%RSD	.0732	.0087	.0099	.3110	.9323	2.343	.0472

#1	2.501	H2.639	2.566	2.638	2.527	2.533	52.36
#2	2.504	H2.639	2.567	2.627	2.560	2.618	52.33

Errors	LC Pass	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avge	26.04
SDev	.03
%RSD	.1301

#1	26.07
#2	26.02

Errors	LC Pass
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
A	56308	---	---	---	---	---	---
S	128.5526	---	---	---	---	---	---
%RSD	.2283041	---	---	---	---	---	---
#1	56217	---	---	---	---	---	---
#2	56399	---	---	---	---	---	---

ID: JCAP4HJ Sample Name: CCV13
 Run Time: 11/13/00 17:58:40
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	50.27	.0195	.0033	.0035	.0048	52.28
SD	.0003	.04	.0080	.0026	.0026	.0026	.08
%RSD	29.32	.0740	41.35	79.79	74.37	56.97	.1549
#1	.0013	50.25	.0252	.0052	.0053	.0065	52.23
#2	.0009	50.30	.0138	.0014	.0017	.0028	52.34
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036	.0051	.0052	.0043	51.78	H53.14	.0062
SD	.0027	.0024	.0025	.0026	.08	.12	.0027
%RSD	76.04	47.86	48.09	60.09	.1526	.2343	42.89
#1	.0056	.0068	.0070	.0062	51.73	H53.06	.0081
#2	.0017	.0033	.0034	.0025	51.84	H53.23	.0043
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0340	.0054	.0043	.0069	.0519	87.96	.0084
SD	.0113	.0023	.0040	.0009	.0169	.14	.0033
%RSD	33.37	42.84	92.02	13.55	32.63	.1605	39.07
#1	.0420	.0070	.0071	.0062	.0639	87.86	.0107
#2	.0260	.0038	.0015	.0075	.0399	88.06	.0080
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060	.0079	.0331	-.0104	.0426	.0562	-.2627
SD	.0024	.0029	.0001	.0059	.0163	.0173	.0170
%RSD	39.90	36.09	.3948	56.51	38.19	30.68	6.478
#1	.0077	.0099	.0332	-.0062	.0541	.0684	-.2747
#2	.0043	.0059	.0330	-.0145	.0311	.0440	-.2507
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							
Elem	K 7664						

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Units ppm
Avg 0.1226
SDev 0.0114
%RSD 9.324

#1 0.1307
#2 0.1145

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	54720	--	--	--	--	--	--
SDev	42.42641	--	--	--	--	--	--
%RSD	.0775332	--	--	--	--	--	--
#1	54690	--	--	--	--	--	--
#2	54750	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCB1
Time: 11/13/00 18:03:56
Comment:
Code: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	0.0895	H.0074	0.0030	0.0002	0.0002	0.1037
SDev	0.0003	0.0547	0.0022	0.0017	0.0002	0.0001	0.0535
%RSD	178.6	61.13	30.27	56.87	107.6	73.34	51.57

#1	0.0000	H.1282	H.0059	0.0042	0.0003	0.0002	0.1415
#2	-0.0004	0.0508	H.0090	0.0018	0.0000	0.0001	0.0659

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0030	0.1000	0.0040	0.1000	0.0050	0.0010	0.5000
Low	-0.0030	-0.1000	-0.0040	-0.1000	-0.0050	-0.0010	-0.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0002	0.0004	H.0056	-0.0000	H.1295	0.1125	0.0002
SDev	0.0001	0.0004	0.0006	0.0007	0.0721	0.0519	0.0001
%RSD	78.77	96.15	10.37	4859.	55.66	46.17	71.58

#1	0.0003	0.0007	H.0060	0.0005	H.1805	0.1492	0.0003
#2	0.0001	0.0001	H.0052	-0.0005	H.0786	0.0757	0.0001

Errors	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.0500	0.5000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H.0078	0.0028	0.0002	0.0000	H.0102	0.1857	0.0011

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SDev	.0014	.0001	.0004	.0061	.0014	.1042	.0002
%RSD	18.09	5.011	159.7	16040.	13.15	56.09	15.63
#1	H.0088	.0027	.0005	.0043	H.0112	.2593	.0012
#2	H.0068	.0029	-.0000	-.0043	.0093	.1120	.0010

Errors	LC High	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0004	.0045	-.0022	.0079	.0111	.0602
SDev	.0007	.0002	.0029	.0009	.0030	.0005	.2191
%RSD	192.4	51.61	63.48	40.81	37.81	4.636	364.1

#1	.0008	.0006	.0066	-.0028	.0101	.0115	.2151
#2	-.0001	.0003	.0025	-.0015	.0058	.0108	-.0947

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	.0515
SDev	.0252
%RSD	48.87

#1	.0693
#2	.0337

Errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	56481	---	---	---	---	---	---
SDev	10.39392	---	---	---	---	---	---
%RSD	.0184026	---	---	---	---	---	---
#1	56488	---	---	---	---	---	---
#2	56474	---	---	---	---	---	---

Method: ICAP4HL Sample Name: A110076-1

Operator: SD

Run Time: 11/13/00 18:09:12

Mode: CONC Corr. Factor: 1

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Elem	Ag3280	Al3082	As1890	H_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	48.30	.0125	.0156	.0141	.0007	6.399
SDev	.0005	.06	.0016	.0003	.0001	.0000	.002

%RSD	159.1	.1265	12.60	1.681	.4840	1.186	.0283
#1	.0000	48.25	.0114	.0158	.0141	.0007	6.400
#2	-.0007	48.34	.0136	.0155	.0140	.0007	6.398
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	L-.0033	.0544	H6.949	.1605	H147.4	5.685	H5.008
SDev	.0001	.0003	.001	.0002	.0	.010	.001
%RSD	1.969	.6318	.0115	.1080	.0020	.1807	.0137
#1	L-.0033	.0547	H6.948	.1606	H147.4	5.692	H5.008
#2	L-.0034	.0542	H6.949	.1603	H147.4	5.678	H5.009
Errors	LC Low	LC Pass	LC High	LC Pass	LC High	LC Pass	LC High
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1210	3.586	.0081	.0099	.0138	113.9	.0097
SDev	.0055	.002	.0005	.0010	.0000	.2	.0002
%RSD	4.549	.0493	5.630	10.60	.1669	.1797	2.477
#1	.1172	3.588	.0078	.0092	.0137	113.7	.0095
#2	.1249	3.585	.0085	.0107	.0138	114.0	.0099
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0633	.4265	.0393	-.0076	.0285	.0062	2.415
SDev	.0004	.0002	.0028	.0007	.0016	.0008	.037
%RSD	.6999	.0550	7.044	9.499	5.790	12.72	1.546
#1	.0629	.4263	.0373	-.0071	.0273	.0068	2.389
#2	.0636	.4266	.0412	-.0081	.0297	.0057	2.441
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	1.577						
SDev	.001						
%RSD	.0342						
#1	1.577						
#2	1.576						

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Errors LC Pass
High 50.00
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	83677	--	--	--	--	--	--
SDev	206.8287	--	--	--	--	--	--
%RSD	.2471750	--	--	--	--	--	--
#1	83531	--	--	--	--	--	--
#2	83823	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110082-1 Operator: SD
 Run Time: 11/13/00 18:14:28
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0003	45.35	.0083	.0152	.0132	.0006	6.056
SDev	.0001	.01	.0006	.0006	.0001	.0000	.011
%RSD	42.60	.0144	6.623	3.662	.5144	1.262	.1805
#1	-.0002	45.36	.0086	.0148	.0132	.0006	6.048
#2	-.0004	45.35	.0079	.0156	.0131	.0006	6.063

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	L-.0037	.0735	H10.02	.1928	H151.7	5.355	H5.015
SDev	.0000	.0001	.02	.0001	.1	.009	.006
%RSD	.5822	.1041	.2004	.0353	.0768	.1642	.1171
#1	L-.0037	.0734	H10.00	.1928	H151.6	5.349	H5.011
#2	L-.0037	.0735	H10.03	.1929	H151.8	5.361	H5.019

Errors	LC Low	LC Pass	LC High	LC Pass	LC High	LC Pass	LC High
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.1776	H5.115	.0092	.0119	.0167	109.3	.0120
SDev	.0067	.029	.0006	.0024	.0008	.1	.0002
%RSD	3.757	.5635	6.456	20.53	5.085	.1296	1.694
#1	.1729	H5.095	.0096	.0136	.0173	109.2	.0122
#2	.1823	H5.136	.0088	.0102	.0161	109.4	.0119

Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000

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Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0721	.3861	.0351	-.0039	.0286	.0106	2.162
SDev	.0003	.0028	.0019	.0018	.0024	.0024	.078
%RSD	.3646	.7320	5.269	47.07	8.341	23.17	3.607
#1	.0719	.3841	.0338	-.0026	.0269	.0123	2.107
#2	.0723	.3881	.0364	-.0051	.0303	.0088	2.217

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	1.582
SDev	.006
%RSD	.3955

#1	1.586
#2	1.578

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	90549	--	--	--	--	--	--
SDev	8.059913	--	--	--	--	--	--
%RSD	.0089012	--	--	--	--	--	--
#1	90555	--	--	--	--	--	--
#2	90543	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A110100-1

Operator: SD

Run Time: 11/13/00 18:19:44

Comment:

Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ha4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.4674	.0015	.5746	.0214	-.0002	46.19
SDev	.0002	.0608	.0000	.0000	.0000	.0000	.15
%RSD	93.04	13.01	.3638	.0028	.1227	3.114	.3265
#1	.0001	.5104	.0015	.5745	.0213	-.0002	46.08
#2	.0004	.4244	.0015	.5746	.0214	-.0002	46.29

00730

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0002	.0326	.0120	.7469	84.94	.1611
SDev	.0000	.0001	.0134	.0001	.1986	.44	.0069
%RSD	5.318	45.40	40.92	.6536	26.58	.5212	4.255
#1	-.0003	.0002	.0421	.0119	.8873	84.63	.1660
#2	-.0003	.0003	.0232	.0121	.6065	85.25	.1563

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0149	.0201	.0009	-.0020	.0037	15.07	-.0018
SDev	.0033	.0072	.0004	.0003	.0029	.16	.0001
%RSD	22.32	35.62	48.59	14.81	78.96	1.063	7.897
#1	.0172	.0251	.0012	-.0018	.0016	15.18	-.0019
#2	.0125	.0150	.0006	-.0022	.0058	14.95	-.0017

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.1493	.0040	-.0010	.0022	.0042	H484.7
SDev	.0001	.0006	.0009	.0002	.0029	.0058	.7
%RSD	10.97	.4074	21.69	23.22	131.4	139.4	.1400
#1	.0009	.1489	.0046	-.0008	.0043	.0001	H484.2
#2	.0010	.1498	.0034	-.0011	.0002	.0083	H485.1

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	H50.93
SDev	.04
%RSD	.0729

#1	H50.95
#2	H50.90

Errors	LC High
High	50.00
Low	-.5000

00740

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

AVge	53682	--	--	--	--	--	--
SDev	140.4325	--	--	--	--	--	--
%RSD	.2616022	--	--	--	--	--	--
#1	53781	--	--	--	--	--	--
#2	53582	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A110101-1 Operator: SD
 Run Time: 11/13/00 18:24:58
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0001	.0504	.0020	.0389	.0128	-.0002	8.670
SDev	.0005	.0081	.0014	.0013	.0001	.0000	.065
%RSD	402.8	15.98	66.90	3.301	.4353	22.79	.7538
#1	.0005	.0561	.0030	.0399	.0128	-.0001	8.716
#2	-.0002	.0447	.0011	.0316	.0128	-.0002	8.624

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2285	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0000	.0004	.0030	.0520	.1760	2.806	.0091
SDev	.0000	.0003	.0008	.0000	.0179	.099	.0006
%RSD	55.68	68.07	27.04	.0110	10.16	3.540	6.193
#1	-.0000	.0006	.0036	.0520	.1887	2.876	.0095
#2	-.0000	.0002	.0024	.0520	.1634	2.735	.0087

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0060	.0032	.0147	.0013	.0041	5.255	.0031
SDev	.0004	.0004	.0008	.0000	.0002	.030	.0007
%RSD	6.530	12.30	5.589	2.510	4.376	.5664	22.68
#1	.0062	.0035	.0153	.0014	.0040	5.276	.0026
#2	.0057	.0030	.0141	.0013	.0042	5.234	.0035

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0000	.0404	.0139	.0149	-.0026	.0072	10.52
SDev	.0001	.0006	.0005	.0010	.0005	.0000	.69
%RSD	876.3	1.524	3.844	6.483	20.51	.1195	6.564

00741

#1	.0001	.0408	.0143	.0156	-.0029	.0072	11.01
#2	-.0001	.0399	.0135	.0142	-.0022	.0072	10.03
Errors High	LC Pass 5.000	LC Pass 5.000	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass 100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge .7521
 SDev .0331
 %RSD 4.408

#1	.7755
#2	.7286

Errors High	LC Pass 50.00
Low	-.5000

IntStd Mode	1	2	3	4	5	6	7
Counts		NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
AT	57412	--	--	--	--	--	--
SL	380.9897	--	--	--	--	--	--
%RSD	.6636006	--	--	--	--	--	--

#1	57143	--	--	--	--	--	--
#2	57682	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110104-2

Operator: SD

Run Time: 11/13/00 18:30:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	.7950	.0016	.0172	.0931	-.0002	25.78
SDev	.0004	.0025	.0013	.0005	.0003	.0000	.11
%RSD	25.61	.3172	84.47	3.020	.3119	15.77	.4251

#1	-.0012	.7968	.0006	.0176	.0933	-.0002	25.70
#2	-.0017	.7932	.0025	.0168	.0929	-.0002	25.85

Errors High	LC Pass 1.000	LC Pass 100.0	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0015	.0012	.0986	.3659	1.878	.0206
SDev	.0000	.0003	.0001	.0003	.0001	.012	.0000
%RSD	7.807	16.96	8.700	.2914	.0373	.6235	.1368

#1	-.0002	-.0013	.0012	.0988	.3660	1.870	.0206
#2	-.0002	-.0017	.0013	.0984	.3658	1.886	.0206

004

Errors High	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 100.0	LC Pass 100.0	LC Pass 5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem Units	Mo2020 ppm	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2881 ppm	Ti1908 ppm
Avge	1.210	.0086	-.0024	-.0018	.0158	.3994	-.0099
SDev	.051	.0006	.0008	.0006	.0027	.0073	.0042
%RSD	4.204	7.259	31.42	33.04	17.20	1.820	42.95

#1	1.174	.0081	-.0019	-.0022	.0139	.4045	-.0069
#2	1.246	.0090	-.0030	-.0014	.0177	.3942	L-.0129

Errors High	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 171.0	LC Pass 5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem Units	V_2924 ppm	Zn2062 ppm	2203/1 ppm	2203/2 ppm	1960/1 ppm	1960/2 ppm	Na3302 ppm
Avge	.0011	.0551	.0071	-.0075	.0147	.0161	H1045.
SDev	.0001	.0005	.0020	.0021	.0039	.0021	.
%RSD	7.872	.9024	28.23	28.81	26.30	13.30	.0445

#1	.0010	.0547	.0057	-.0059	.0120	.0146	H1044.
#2	.0011	.0554	.0085	-.0090	.0174	.0176	H1045.

Errors High	LC Pass 5.000	LC Pass 5.000	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High 100.0
Low	-.0020	-.0200					-.5000

Elem Units	K_7664 ppm
Avge	H96.20
SDev	.23
%RSD	.2405

#1	H96.36
#2	H96.03

Errors High	LC High 50.00
Low	-.5000

IntStd Mode	1 Counts	2 NOTUSED	3 NOTUSED	4 NOTUSED	5 NOTUSED	6 NOTUSED	7 NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
A	50663	---	---	---	---	---	---
S	407.0808	---	---	---	---	---	---
%RSD	.8035079	---	---	---	---	---	---

#1	50951	---	---	---	---	---	---
#2	50375	---	---	---	---	---	---

00743

Id: JCAP4H1 Sample Name: A110104-3

Operator: SD

Run Time: 11/13/00 18:35:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.2698	.0037	1.007	.1009	-.0002	86.26
SD	.0002	.0015	.0000	.001	.0001	.0000	.06
%RSD	15.15	.5543	.0253	.1230	.0574	1.076	.0658

#1	-.0011	.2709	.0037	1.008	.1009	-.0002	86.22
#2	-.0013	.2623	.0037	1.006	.1010	-.0002	86.30

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039	.0027	.0055	.1987	3.438	19.17	.6943
SD	.0001	.0002	.0001	.0000	.019	.02	.0008
%RSD	3.155	7.495	1.952	.0005	.5651	.1092	.1184

#1	.0038	.0025	.0054	.1987	3.425	19.15	.6937
#2	.0040	.0028	.0056	.1987	3.452	19.18	.6949

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2381	.1057	.1464	.0209	.0086	7.430	-.0023
SD	.0042	.0005	.0001	.0082	.0004	.004	.0032
%RSD	1.748	.5101	.0830	39.37	4.171	.0518	140.5

#1	.2410	.1061	.1463	.0268	.0089	7.427	-.0000
#2	.2351	.1054	.1465	.0151	.0084	7.433	-.0045

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0241	.5211	.1505	.1441	.0049	.0102	H106.9
SD	.0005	.0003	.0016	.0010	.0002	.0006	1.4
%RSD	1.990	.0629	1.034	.6668	3.675	6.184	1.334

#1	.0237	.5209	.1516	.1434	.0048	.0106	H107.9
#2	.0244	.5213	.1494	.1447	.0050	.0097	H105.9

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K 7664

00744

Units ppm
 Avge 24.54
 SDev .07
 %RSD .2793

#1 24.59
 #2 24.49

Errors LC Pass
 High 50.00
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	50262	--	--	--	--	--	--
SDev	32.03249	--	--	--	--	--	--
%RSD	.0637316	--	--	--	--	--	--
#1	50239	--	--	--	--	--	--
#2	50284	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110104-4
 Date: 11/13/00 18:40:42
 Element:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.1571	.0064	.0288	.0197	-.0002	25.87
SDev	.0005	.0002	.0045	.0024	.0001	.0000	.08
%RSD	758.4	.1452	69.95	8.199	.4490	3.333	.3060

#1 -.0005 .1570 .0032 .0305 .0198 -.0002 25.93
 #2 .0003 .1573 .0096 .0272 .0196 -.0002 25.82

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0004	.0005	.0943	.3242	2.186	.0142
SDev	.0001	.0002	.0001	.0002	.0008	.019	.0008
%RSD	76.72	43.46	27.01	.1808	.2477	.8793	5.329

#1 .0000 .0003 .0005 .0945 .3237 2.199 .0147
 #2 .0001 .0005 .0004 .0942 .3248 2.172 .0136

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0334	.0016	.0032	.0018	.0026	10.07	.0077

00745

SDev	.0028	.0005	.0001	.0029	.0023	.01	.0005
%RSD	8.401	30.76	3.044	157.1	88.83	.1023	6.488

#1	.0354	.0019	.0033	.0039	.0042	10.08	.0074
#2	.0314	.0012	.0031	-.0002	.0010	10.06	.0081

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.1159	.0033	.0029	-.0043	.0058	10.41
SDev	.0001	.0004	.0029	.0013	.0038	.0016	.46
%RSD	13.51	.3006	86.03	44.74	88.14	26.72	4.436

#1	.0011	.1162	.0054	.0020	-.0016	.0069	10.74
#2	.0009	.1157	.0013	.0038	-.0070	.0047	10.09

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	k_7664
Units	ppm
Avge	2.971
SDev	.036
%RSD	1.205

#1	2.997
#2	2.946

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	56137	---	---	---	---	---	---
SDev	49.00305	---	---	---	---	---	---
%RSD	.0872918	---	---	---	---	---	---
#1	56172	---	---	---	---	---	---
#2	56102	---	---	---	---	---	---

Method: ICAP4HL Sample Name: A110105-1

Operator: SD

Run Time: 11/13/00 18:45:57

00746

Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0522	.1742	-.0000	.0871	.1560	-.0002	11.04
SDev	.0000	.0020	.0019	.0008	.0002	.0000	.03

%RSD	.0313	1.132	5128.	.8756	.1133	2.193	.2299
#1	.0522	.1728	.0013	.0876	.1559	-.0002	11.05
#2	.0522	.1756	-.0014	.0865	.1562	-.0002	11.02
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2285	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0004	.0003	.1017	1.405	2.984	.0394
SDev	.0001	.0001	.0003	.0002	.000	.001	.0000
%RSD	49.60	39.11	112.2	.2352	.0112	.0198	.0976
#1	.0002	.0005	.0005	.1019	1.405	2.985	.0395
#2	.0001	.0003	.0001	.1015	1.404	2.984	.0394
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0094	.0026	.0025	-.0016	.0024	5.254	.0003
SDev	.0016	.0006	.0002	.0001	.0021	.008	.0017
%RSD	17.02	24.85	9.318	6.886	88.59	.1478	657.5
#1	.0105	.0031	.0026	-.0015	.0009	5.260	-.0010
#2	.0083	.0022	.0023	-.0017	.0039	5.249	.0015
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.2116	.0036	.0016	-.0037	.0052	42.08
SDev	.0006	.0003	.0042	.0018	.0019	.0041	.26
%RSD	824.3	.1397	117.1	107.7	50.54	79.24	.6109
#1	.0004	.2114	.0066	.0004	-.0024	.0023	42.27
#2	-.0005	.2118	.0006	.0029	-.0051	.0081	41.90
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	34.30						
SDev	.00						
%RSD	.0121						
#1	34.30						
#2	34.30						

00747

Errors LC Pass
High 50.00
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53713	--	--	--	--	--	--
SDev	76.58021	--	--	--	--	--	--
%RSD	.1425736	--	--	--	--	--	--
#1	53767	--	--	--	--	--	--
#2	53659	--	--	--	--	--	--

Method: ICP4HI Sample Name: A110109-1

Operator: SD

Run Time: 11/13/00 18:51:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0052	2.109	.0002	.3126	.0588	-.0002	24.98
SDev	.0001	.001	.0009	.0016	.0002	.0000	.04
%	1.560	.0627	566.8	.5041	.2990	.9248	.1508
#1	.0053	2.110	-.0005	.3115	.0589	-.0002	24.95
#2	.0052	2.108	.0008	.3137	.0587	-.0002	25.00

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0015	.0066	.0561	1.691	14.63	.1264
SDev	.0001	.0001	.0002	.0000	.011	.03	.0001
%RSD	80.64	9.587	2.882	.0413	.6266	.1836	.0449
#1	.0001	.0014	.0067	.0561	1.683	14.61	.1263
#2	.0002	.0016	.0065	.0561	1.698	14.65	.1264

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0103	.0126	.0130	-.0038	-.0002	15.68	.0018
SDev	.0002	.0003	.0005	.0037	.0033	.03	.0009
%	1.924	2.136	3.789	98.33	1632.	.1910	51.51
#1	.0101	.0124	.0134	-.0012	.0021	15.66	.0011
#2	.0104	.0128	.0127	-.0064	-.0025	15.70	.0024

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000

Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.1373	.0184	.0101	-.0001	-.0005	H116.1
SDev	.0001	.0007	.0012	.0001	.0078	.0010	.1
%RSD	3.320	.4860	6.494	1.398	12380.	199.9	.0797

#1	.0023	.1368	.0193	.0102	.0054	.0002	H116.1
#2	.0022	.1378	.0176	.0100	-.0055	-.0013	H116.2

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	15.08
SDev	.00
%RSD	.0139

#1	15.08
#2	15.08

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53276	--	--	--	--	--	--
SDev	154.0084	--	--	--	--	--	--
%RSD	.2890792	--	--	--	--	--	--
#1	53167	--	--	--	--	--	--
#2	53384	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A110109-2
 Run time: 11/13/00 18:56:28
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	A13082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	1.241	.0034	.3924	.0418	-.0002	45.40
SDev	.0004	.001	.0004	.0002	.0001	.0000	.04
%RSD	11.78	.0715	11.51	.0534	.2709	1.298	.0828
#1	.0040	1.242	.0036	.3926	.0419	-.0002	45.43
#2	.0034	1.241	.0031	.3923	.0417	-.0002	45.37

00749

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0002	.0027	.0524	.9606	40.10	.1713
SDev	.0000	.0002	.0005	.0011	.0097	.06	.0001
%RSD	5.136	79.20	16.94	2.031	1.008	.1471	.0445
#1	.0006	.0004	.0030	.0531	.9674	40.14	.1713
#2	.0005	.0001	.0024	.0516	.9537	40.05	.1712

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0324	.0058	.0065	.0039	.0022	13.02	.0049
SDev	.0008	.0006	.0005	.0042	.0002	.01	.0009
%RSD	2.592	10.91	8.042	108.8	7.893	.1029	18.23
#1	.0318	.0062	.0061	.0069	.0021	13.03	.0055
#2	.0330	.0053	.0069	.0009	.0023	13.01	.0042

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.1413	.0119	.0035	.0032	.0014	H205.8
SDev	.0005	.0003	.0008	.0004	.0010	.0008	.2
%RSD	36.73	.2220	6.462	11.31	31.82	56.98	.0807
#1	.0016	.1415	.0114	.0032	.0040	.0008	H206.0
#2	.0010	.1411	.0125	.0038	.0025	.0020	H205.7

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	20.65
SDev	.03
%RSD	.1319
#1	20.67
#2	20.63

Errors	LC Pass
High	50.00
Low	-.5000

00750

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

Avg	52646	--	--	--	--	--	--
SDev	100.9726	--	--	--	--	--	--
%RSD	.1917940	--	--	--	--	--	--
#1	52575	--	--	--	--	--	--
#2	52718	--	--	--	--	--	--

Method: ICP4HI Sample Name: CCB1 Operator: SD
 Run Time: 11/13/00 19:01:43
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	-.0152	.0012	.0025	-.0001	-.0002	.1191
SDev	.0007	.0023	.0002	.0012	.0000	.0000	.0682
%RSD	95.19	14.89	15.69	47.61	37.08	11.64	57.27
#1	-.0012	-.0168	.0013	.0034	-.0001	-.0002	.1674
#2	-.0002	-.0136	.0010	.0017	-.0001	-.0002	.0709

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0002	H.0051	.0001	.0165	.1042	.0002
SDev	.0001	.0008	.0004	.0001	.0034	.0557	.0002
%RSD	51.98	328.6	7.382	161.5	20.78	53.43	82.78
#1	-.0004	-.0008	H.0054	-.0000	.0141	.1436	.0004
#2	-.0002	.0003	.0048	.0001	.0189	.0648	.0001

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H.0057	.0016	-.0001	-.0013	.0038	.0424	.0026
SDev	.0011	.0002	.0004	.0011	.0003	.0163	.0007
%RSD	18.86	14.31	294.7	84.90	7.310	38.54	25.08
#1	H.0065	.0017	-.0004	-.0005	.0040	.0539	.0031
#2	.0050	.0014	.0001	-.0020	.0036	.0308	.0022

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0015	.0040	-.0025	.0014	.0047	H.5735
SDev	.0006	.0001	.0036	.0024	.0027	.0009	.5890
%RSD	127.3	4.259	90.44	96.56	200.6	19.92	102.7

00751

#1	-.0000	.0014	.0065	-.0041	.0033	.0041	H.9900
#2	-.0008	.0015	.0014	-.0008	-.0008	.0054	.1571
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge -.0310
 SDev .0082
 %RSD 26.33

#1	-.0253
#2	-.0368

Errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
A	54287	---	---	---	---	---	---
SDev	300.1668	---	---	---	---	---	---
%RSD	.5529293	---	---	---	---	---	---

#1	54074	---	---	---	---	---	---
#2	54499	---	---	---	---	---	---

Method: ICAP4HI Sample Name: CCV14

Operator: SO

Run Time: 11/13/00 19:06:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4858	-.0204	2.571	2.494	L2.351	2.570	.0018
SDev	.0016	.0009	.015	.007	.000	.009	.0014
%RSD	.3284	4.435	.5859	.2686	.0091	.3499	73.93

#1	.4847	-.0211	2.561	2.489	L2.351	2.564	.0028
#2	.4869	-.0198	2.582	2.499	L2.351	2.577	.0009

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Low	LC Pass	NOCHECK
High	.5250		2.625	2.750	2.625	2.625	
Low	.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H2.662	2.593	2.585	2.410	.2250	-.0001	2.534
SDev	.014	.010	.010	.002	.0040	.0006	.007
%RSD	.5197	.4046	.3978	.1019	1.764	508.5	.28340752

#1	H2.652	2.585	2.578	2.408	.2222	.0003	2.529
#2	H2.672	2.600	2.593	2.412	.2278	-.0005	2.539

Errors	LC High	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.578	2.596	H2.672	2.485	2.586	.1200	2.580
SDev	.032	.009	.008	.003	.049	.0010	.023
%RSD	1.246	.3601	.3137	.1132	1.890	.8076	.9032

#1	2.555	2.590	H2.666	2.487	2.551	.1193	2.564
#2	2.600	2.603	H2.678	2.483	2.620	.1206	2.597

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.517	H2.741	2.634	2.690	2.561	2.598	H53.59
SDev	.007	.016	.010	.008	.029	.059	.50
%RSD	.2800	.5961	.3764	.2831	1.128	2.266	.9278

#1	2.512	H2.729	2.627	2.685	2.540	2.556	H53.24
#2	2.522	H2.752	2.641	2.695	2.581	2.640	H53.95

Errors	LC Pass	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avg	26.16
SDev	.01
%RSD	.0224

#1	26.16
#2	26.15

Errors	LC Pass
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
waven	371.030	---	---	---	---	---	---
A	54079	---	---	---	---	---	---
S	129.1878	---	---	---	---	---	---
%RSD	.2388871	---	---	---	---	---	---

#1	53988	---	---	---	---	---	---
#2	54170	---	---	---	---	---	---

Job: ICAP4HI Sample Name: CCV15
 Run Time: 11/13/00 19:12:14
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	50.29	.0244	.0056	.0045	.0059	H53.45
SD	.0005	.06	.0108	.0036	.0034	.0037	.07
%RSD	88.12	.1211	44.19	63.64	76.15	62.37	.1311
#1	.0009	50.25	.0320	.0081	.0069	.0086	H53.40
#2	.0002	50.33	.0168	.0031	.0021	.0033	H53.50
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High		52.50					52.50
Low		47.50					47.50
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048	.0062	.0077	.0058	52.37	H55.34	.0074
SD	.0039	.0035	.0037	.0034	.10	.09	.0037
%RSD	80.27	56.29	52.21	58.00	.1870	.1585	49.78
#1	.0075	.0087	.0098	.0082	52.30	H55.27	.0100
#2	.0021	.0038	.0045	.0034	52.44	H55.40	.0048
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0324	.0079	.0057	.0040	.0509	87.61	.0069
SD	.0134	.0040	.0032	.0022	.0172	.19	.0009
%RSD	41.38	50.75	56.57	54.41	33.84	.2199	12.94
#1	.0418	.0107	.0080	.0055	.0631	87.48	.0076
#2	.0229	.0051	.0034	.0024	.0387	87.75	.0063
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083	.0094	.0448	-.0140	.0480	.0521	.1825
SD	.0037	.0038	.0063	.0018	.0161	.0178	.2437
%RSD	44.15	40.06	14.07	12.56	33.61	34.10	133.6
#1	.0109	.0121	.0493	-.0128	.0594	.0647	.3548
#2	.0057	.0068	.0404	-.0153	.0366	.0396	.0101
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							
Elem	K 7664						

00754

Units ppm
 Avge .0254
 SDev .0685
 %RSD 269.4

#1 .0739
 #2 -.0230

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	52083	---	---	---	---	---	---
SDev	32.88047	---	---	---	---	---	---
%RSD	.0631304	---	---	---	---	---	---
#1	52060	---	---	---	---	---	---
#2	52107	---	---	---	---	---	---

Method: ICAP4H1 Sample Name: CCB1

Operator: SD

Time: 11/13/00 19:17:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	H.1031	H.0042	.0031	.0001	.0001	.1252
SDev	.0002	.0688	.0038	.0001	.0000	.0001	.0746
%RSD	19.98	66.72	91.08	2.986	22.23	62.53	59.55

#1 -.0012 H.1517 H.0069 .0032 .0001 .0002 .1779
 #2 -.0009 .0545 .0015 .0031 .0001 .0001 .0725

Errors	LC Pass	LC High	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	-.0001	H.0056	-.0004	H.1511	.1269	.0001
SDev	.0002	.0000	.0004	.0001	.0755	.0760	.0001
%RSD	595.5	42.48	6.879	13.63	49.93	59.89	79.82

#1 .0001 -.0001 H.0054 -.0005 H.1981 .1806 .0002
 #2 -.0002 -.0001 H.0059 -.0004 H.0978 .0731 .0001

Errors	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.0074	.0027	.0002	-.0076	H.0113	.2445	.0017

00755

SDev	.0013	.0000	.0010	.0010	.0011	.1321	.0002
%RSD	17.46	1.023	444.1	12.68	9.642	54.03	10.21
#1	H.0083	.0027	.0010	-.0069	H.0121	.3380	.0016
#2	H.0065	.0027	-.0005	-.0083	H.0106	.1511	.0018

Errors	LC High	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0000	.0049	-.0024	.0119	.0108	.0639
SDev	.0005	.0002	.0012	.0022	.0029	.0031	.3586
%RSD	236.7	776.0	25.08	90.82	24.64	28.83	560.9

#1	-.0001	.0002	.0040	-.0009	.0098	.0130	-.1897
#2	.0005	-.0001	.0058	-.0039	.0140	.0086	.3175

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	-.1245
SDev	.0227
%RSD	18.23

#1	-.1406
#2	-.1085

Errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avg	53668	--	--	--	--	--	--
SDev	33.09039	--	--	--	--	--	--
%RSD	.0616577	--	--	--	--	--	--
#1	53645	--	--	--	--	--	--
#2	53691	--	--	--	--	--	--

Method: ICA4HI Sample Name: A110109-3

Operator: SD

Run Time: 11/13/00 19:22:45

00756

Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	1.441	.0022	.3352	.0420	-.0001	23.87
SDev	.0002	.002	.0007	.0012	.0000	.0000	.02

%RSD	50.85	.1212	30.05	.3461	.0624	31.05	.0845
#1	.0006	1.442	.0017	.3343	.0421	-.0001	23.86
#2	.0003	1.440	.0027	.3360	.0420	-.0001	23.89
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0009	.0024	.0386	.9779	10.97	.0964
SDev	.0000	.0001	.0003	.0000	.0093	.01	.0001
%RSD	6.036	9.286	11.89	.0545	.9471	.0891	.0714
#1	.0006	.0009	.0026	.0386	.9713	10.96	.0963
#2	.0007	.0008	.0022	.0386	.9844	10.97	.0964
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050	.0048	.0029	.0015	.0074	12.03	.0013
SDev	.0005	.0003	.0002	.0010	.0027	.00	.0026
%RSD	9.298	5.606	8.023	63.37	36.66	.0255	201.1
#1	.0053	.0050	.0027	.0022	.0055	12.03	-.0005
#2	.0047	.0046	.0030	.0008	.0094	12.03	.0031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.1196	.0076	.0002	.0051	.0084	61.67
SDev	.0002	.0001	.0010	.0008	.0008	.0045	.13
%RSD	10.10	.0907	13.10	399.4	15.51	53.33	.2116
#1	.0018	.1195	.0083	-.0004	.0056	.0052	61.76
#2	.0016	.1196	.0069	.0008	.0045	.0115	61.58
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	13.72						
SDev	.01						
%RSD	.0958						
#1	13.73						
#2	13.71						

00757

Errors LC Pass
High 50.00
Low -5.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	55552	--	--	--	--	--	--
SDev	151.0363	--	--	--	--	--	--
%RSD	.2718804	--	--	--	--	--	--
#1	55446	--	--	--	--	--	--
#2	55659	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110109-4 Operator: SU
Run Time: 11/13/00 19:27:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.9639	.0043	.4239	.0523	-.0002	71.53
SDev	.0006	.0050	.0001	.0004	.0000	.0000	.00
%RSD	361.4	.5174	1.339	.0961	.0563	21.78	.0034
#1	.0003	.9674	.0043	.4236	.0523	-.0001	71.53
#2	-.0006	.9604	.0044	.4242	.0523	-.0002	71.53

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0012	.0018	.0433	3.474	60.22	.7195
SDev	.0001	.0003	.0003	.0006	.010	.01	.0006
%RSD	238.8	29.10	16.01	1.294	.2993	.0189	.0835
#1	.0000	.0014	.0016	.0437	3.467	60.23	.7191
#2	-.0002	.0009	.0020	.0429	3.481	60.21	.7199

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0122	.0064	.0030	.0037	.0053	15.76	.0068
SDev	.0014	.0005	.0009	.0003	.0013	.01	.0026
%RSD	11.41	8.469	30.90	8.841	23.37	.0731	38.67
#1	.0112	.0060	.0036	.0035	.0062	15.75	.0086
#2	.0132	.0068	.0023	.0039	.0045	15.77	.0049

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
High 5.000 5.000 5.000 5.000 5.000 171.0 5.000

00758

Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.1177	.0067	.0008	.0058	.0048	H353.9
SDev	.0001	.0002	.0010	.0019	.0023	.0030	.3
%RSD	7.380	.1637	14.60	230.2	39.84	62.21	.0844

#1	.0016	.1176	.0060	.0021	.0042	.0070	H353.7
#2	.0014	.1179	.0074	-.0005	.0074	.0027	H354.1

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	39.94
SDev	.01
%RSD	.0219

#1	39.95
#2	39.93

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	50308	---	---	---	---	---	---
SDev	168.8577	---	---	---	---	---	---
%RSD	.3356503	---	---	---	---	---	---
#1	50188	---	---	---	---	---	---
#2	50427	---	---	---	---	---	---

Method: ICAP4HI Sample Name: A110153-1

Operator: SD

Run Time: 11/13/00 19:33:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.1699	.0041	.1366	.0162	-.0002	15.93
SDev	.0001	.0009	.0013	.0001	.0000	.0000	.07
%RSD	149.9	.5414	31.02	.0404	.2603	1.171	.4484

#1	-.0002	.1692	.0032	.1365	.0163	-.0002	15.98
#2	.0000	.1705	.0050	.1366	.0162	-.0002	15.88

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

00759

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0066	.0008	.0018	.0100	.4860	3.113	.0688
SDev	.0000	.0001	.0001	.0001	.0050	.078	.0009
%RSD	.4751	15.07	3.653	1.439	1.027	2.445	1.272
#1	.0066	.0007	.0018	.0099	.4825	3.167	.0694
#2	.0065	.0009	.0017	.0101	.4895	3.059	.0681

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0058	.0049	.0182	.0056	.0020	9.032	.0038
SDev	.0009	.0002	.0002	.0036	.0012	.000	.0025
%RSD	15.96	3.603	1.342	63.78	57.69	.0037	66.44
#1	.0064	.0048	.0180	.0081	.0029	9.032	.0056
#2	.0051	.0050	.0184	.0031	.0012	9.032	.0020

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.6716	.0201	.0170	-.0009	.0032	24.91
SDev	.0001	.0009	.0014	.0011	.0019	.0008	.61
%RSD	3.381	.1299	6.958	6.275	203.9	25.36	2.429
#1	.0020	.6710	.0211	.0162	.0004	.0038	25.34
#2	.0020	.6722	.0191	.0177	-.0022	.0026	24.48

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	6.266
SDev	.034
%RSD	.5380
#1	6.289
#2	6.242

Errors	LC Pass
High	50.00
Low	-.5000

00760

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

Avge	55750	--	--	--	--	--	--
SDev	37.33303	--	--	--	--	--	--
%RSD	.0669652	--	--	--	--	--	--
#1	55724	--	--	--	--	--	--
#2	55776	--	--	--	--	--	--

Method: ICAP4HJ Sample Name: A110036-FB1 Operator: SU
 Run Time: 11/13/00 19:38:25
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0018	.0039	.0016	.0008	-.0002	.1144
SDev	.0014	.0083	.0011	.0003	.0002	.0000	.0303
%RSD	1580.	459.0	28.56	17.02	27.27	5.119	26.51
#1	.0011	.0041	.0047	.0014	.0010	-.0002	.1358
#2	-.0009	-.0077	.0031	.0017	.0007	-.0002	.0929

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0000	.0006	.0015	.0171	.0333	.0003
SDev	.0002	.0007	.0001	.0011	.0205	.0173	.0003
%RSD	146.6	2122.	12.89	75.18	120.1	52.06	89.48
#1	.0000	.0005	.0005	.0023	.0316	.0455	.0005
#2	-.0002	-.0004	.0006	.0007	.0026	.0210	.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0006	.0002	.0009	.0049	.1175	.0031
SDev	.0005	.0005	.0006	.0046	.0021	.0263	.0019
%RSD	33.95	72.66	310.1	534.4	42.65	22.40	62.47
#1	.0019	.0009	.0006	.0041	.0034	.1361	.0017
#2	.0012	.0003	-.0002	-.0024	.0063	.0989	.0044

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0132	.0031	-.0015	-.0006	.0073	.4299
SDev	.0004	.0015	.0055	.0036	.0070	.0004	.0357
%RSD	528.1	11.62	179.0	245.1	1223.	4.912	8.293

00761

#1	-.0002	.0143	-.0008	.0011	-.0055	.0076	.4551
#2	.0003	.0121	.0069	-.0041	.0044	.0071	.4047
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge -.0433
 SDev .0109
 %RSD 25.25

#1	-.0446
#2	-.0356

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
A	54873	--	--	--	--	--	--
SDev	253.9204	--	--	--	--	--	--
%RSD	.4627457	--	--	--	--	--	--

#1	54693	--	--	--	--	--	--
#2	55052	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCB1

Operator: SD

Run Time: 11/13/00 19:43:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	-.0098	.0023	.0019	-.0002	-.0002	-.0028
SDev	.0010	.0022	.0016	.0010	.0001	.0000	.0013
%RSD	234.5	22.67	71.26	52.43	65.71	.8089	44.91

#1	-.0011	-.0114	.0011	.0012	-.0003	-.0002	-.0019
#2	.0003	-.0083	.0034	.0026	-.0001	-.0002	-.0037

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0001	.0050	-.0006	.0131	-.0023	-.0002
SDev	.0000	.0004	.0001	.0006	.0050	.0040	.0001
%RSD	8.802	737.4	1.106	98.22	38.49	170.5	69.23

#1	-.0002	-.0003	.0049	-.0011	.0095	-.0051	-.0002
#2	-.0003	.0002	H.0050	-.0002	.0166	.0005	-.0001

00762

Errors High	LC Pass .0010	LC Pass .0020	LC Pass .0050	LC Pass .0050	LC Pass .0500	LC Pass .5000	LC Pass .0050
Errors Low	LC Pass -.0010	LC Pass -.0020	LC Pass -.0050	LC Pass -.0050	LC Pass -.0500	LC Pass -.5000	LC Pass -.0050

Elem Units	Mo2020 ppm	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2881 ppm	Tl1908 ppm
Avge	.0014	.0020	-.0006	-.0015	.0041	.0227	.0024
SDev	.0003	.0005	.0008	.0001	.0003	.0017	.0015
%RSD	25.28	27.17	143.9	7.728	8.386	7.463	63.66

#1	.0016	.0023	-.0011	-.0014	.0044	.0215	.0035
#2	.0011	.0016	.0000	-.0016	.0039	.0239	.0013

Errors High	LC Pass .0050	LC Pass .0050	LC Pass .0030	LC Pass .0100	LC Pass .0100	LC Pass 1.000	LC Pass .0100
Errors Low	LC Pass -.0050	LC Pass -.0050	LC Pass -.0030	LC Pass -.0100	LC Pass -.0100	LC Pass -1.000	LC Pass -.0100

Elem Units	V_2924 ppm	Zn2062 ppm	2203/1 ppm	2203/2 ppm	1960/1 ppm	1960/2 ppm	Na3302 ppm
Avge	-.0005	.0002	.0011	-.0017	-.0006	.0062	-.0938
SDev	.0002	.0004	.0027	.0026	.0005	.0003	.0789
%RSD	53.41	168.4	245.1	153.5	70.71	4.628	84.13

#1	-.0006	-.0000	.0030	-.0035	-.0003	.0064	-.1496
#2	-.0003	.0005	-.0008	.0001	-.0010	.0060	-.0380

Errors High	LC Pass .0020	LC Pass .0200	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass .5000
Errors Low	LC Pass -.0020	LC Pass -.0200					LC Pass -.5000

Elem Units	K_7664 ppm
Avge	-.1411
SDev	.0579
%RSD	41.04

#1	-.1821
#2	-.1002

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

IntStd Mode	1 Counts	2 NOTUSED	3 NOTUSED	4 NOTUSED	5 NOTUSED	6 NOTUSED	7 NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
AV	53596	--	--	--	--	--	--
S	245.8605	--	--	--	--	--	--
%RSD	.4587197	--	--	--	--	--	--
#1	53423	--	--	--	--	--	--
#2	53770	--	--	--	--	--	--

Id: ICAP4H1 Sample Name: CCV16

Operator: SD

Run Time: 11/13/00 19:48:52

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4833	-.0187	2.574	2.532	L2.349	2.574	-.0043
SDev	.0004	.0018	.016	.001	.004	.001	.0011
%RSD	.0832	9.365	.6098	.0390	.1653	.0451	25.51
#1	.4830	-.0175	2.563	2.533	L2.346	2.573	-.0036
#2	.4836	-.0199	2.585	2.532	L2.351	2.575	-.0051
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Low	LC Pass	NOCHECK
High	.5250		2.625	2.750	2.625	2.625	
Low	.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H2.682	2.596	2.593	2.418	.2069	-.0095	2.542
SDev	.001	.002	.001	.005	.0050	.0017	.002
%RSD	.0371	.0570	.0232	.2266	2.430	17.99	.0801
#1	H2.681	2.595	2.593	2.414	.2105	-.0083	2.540
#2	H2.683	2.598	2.593	2.422	.2034	-.0107	2.543
Errors	LC High	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.578	H2.632	H2.691	2.474	2.600	.1026	2.601
SDev	.028	.001	.016	.002	.059	.0015	.001
%RSD	1.098	.0260	.5857	.1008	2.250	1.475	.0397
#1	2.558	H2.631	H2.680	2.472	2.559	.1037	2.602
#2	2.598	H2.632	H2.703	2.476	H2.642	.1015	2.600
Errors	LC Pass	LC High	LC High	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.526	H2.749	2.651	2.712	2.573	2.614	H53.53
SDev	.003	.000	.002	.022	.021	.077	.04
%RSD	.1267	.0040	.0862	.8297	.8044	2.962	.0762
#1	2.524	H2.749	2.649	2.696	2.558	2.559	H53.56
#2	2.528	H2.748	2.657	2.728	2.588	2.669	H53.50

Elem	K 1664
Units	ppm
Avg	2.526
SDev	.003
%RSD	.1267
#1	2.524
#2	2.528
Errors	LC Pass
High	2.625
Low	2.375

00764

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Units ppm
 Avge H26.27
 SDev .01
 %RSD .0367

#1 H26.28
 #2 H26.27

Errors LC High
 High 26.25
 Low 23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	53591	--	--	--	--	--	--
SDev	73.18555	--	--	--	--	--	--
%RSD	.1365633	--	--	--	--	--	--
#1	53643	--	--	--	--	--	--
#2	53539	--	--	--	--	--	--

Method: ICP4HL Sample Name: CCV17
 Run Time: 11/13/00 19:54:06
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	50.17	.0245	.0062	.0044	.0058	H53.73
SDev	.0009	.11	.0111	.0050	.0034	.0037	.11
%RSD	58.71	.2203	45.43	81.77	77.74	63.12	.2046
#1	.0021	50.09	.0324	.0097	.0068	.0084	H53.65
#2	.0009	50.24	.0166	.0026	.0020	.0032	H53.81

Errors NOCHECK LC Pass NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK LC High
 High 52.50 52.50
 Low 47.50 47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	.0063	.0074	.0052	52.46	H55.43	.0074
SDev	.0038	.0037	.0041	.0036	.10	.17	.0036
%RSD	81.07	59.69	54.83	68.59	.1872	.3021	49.46
#1	.0073	.0089	.0103	.0077	52.39	H55.31	.0099
#2	.0020	.0036	.0045	.0027	H52.53	H55.54	.0048

Errors NOCHECK NOCHECK NOCHECK NOCHECK LC Pass LC High NOCHECK
 High 52.50 52.50
 Low 47.50 47.50

00765

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0351	.0083	.0056	.0085	.0570	87.93	.0098

SDev	.0132	.0041	.0046	.0048	.0197	.22	.0092
%RSD	37.65	49.23	82.27	56.47	34.58	.2485	94.39
#1	.0444	.0113	.0088	.0119	.0709	87.78	.0163
#2	.0257	.0054	.0023	.0051	.0431	88.08	.0032

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK LC Pass NOCHECK
 High 94.00
 Low 77.00

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0088	.0094	.0437	-.0138	.0560	.0573	6024e15
SDev	.0042	.0038	.0058	.0040	.0057	.0235	8520e15
%RSD	47.69	40.67	13.23	29.03	21.71	41.00	141.4

#1	.0117	.0121	.0478	-.0110	.0645	.0739	12e18
#2	.0058	.0067	.0396	-.0166	.0474	.0407	.1177

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem	k_7664
Units	ppm
Avge	-.0009
SDev	.0303
%RSD	3463.

#1	.0205
#2	-.0223

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	52066	---	---	---	---	---	---
SDev	247.7691	---	---	---	---	---	---
%RSD	.4758787	---	---	---	---	---	---
#1	51890	---	---	---	---	---	---
#2	52241	---	---	---	---	---	---

Method: ICAP4HL Sample Name: IC3A1




Operator: SD

Run Time: 11/13/00 19:59:19

Mode: CONC Corr. Factor: 1

00760

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	485.7	.0052	-.0441	-.0041	-.0005	475.3
SDev	.0005	.2	.0026	.0000	.0001	.0001	.9

	%RSD	326.8	.0427	48.91	.1089	1.948	24.02	.1793
#1	-.0005	485.5	.0070	-.0440	-.0041	-.0004	474.7	
#2	.0002	485.8	.0034	-.0441	-.0042	-.0006	475.9	
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High		600.0					600.0	
Low		400.0					400.0	
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	-.0027	.0003	.0029	-.0030	194.9	560.1	.0095	
SDev	.0002	.0004	.0002	.0000	.1	.5	.0001	
%RSD	6.328	158.3	6.381	.3776	.0503	.0905	.9183	
#1	-.0026	.0006	.0030	-.0030	194.8	559.8	.0095	
#2	-.0028	-.0000	.0027	-.0030	194.9	560.5	.0094	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK	
High					240.0	600.0		
Low					160.0	400.0		
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
	.0071	.0024	-.0129	-.0024	.0194	.2334	.0060	
SDev	.0008	.0008	.0017	.0015	.0018	.1289	.0067	
%RSD	10.58	34.52	13.34	64.21	9.163	55.23	110.8	
#1	.0076	.0018	-.0142	-.0035	.0206	.3246	.0108	
#2	.0065	.0030	-.0117	-.0013	.0181	.1423	.0013	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High								
Low								
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.0043	.0060	.3288	-.1841	.0460	.0058	-.3300	
SDev	.0000	.0005	.0039	.0045	.0049	.0002	.1092	
%RSD	.0636	8.049	1.191	2.470	10.69	3.553	33.09	
#1	.0043	.0057	.3315	-.1873	.0495	.0059	-.2528	
#2	.0043	.0064	.3260	-.1809	.0425	.0056	-.4072	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High								
Low								
Elem	K_7664							
Units	ppm							
	-.1013							
SDev	.0052							
%RSD	5.125							
#1	-.1049							
#2	-.0976							

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Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	48713	--	--	--	--	--	--
SDev	116.0346	--	--	--	--	--	--
%RSD	.2381992	--	--	--	--	--	--
#1	48631	--	--	--	--	--	--
#2	48795	--	--	--	--	--	--

Method: ICAP4HI Sample Name: ICSAB1
Run Time: 11/13/00 20:04:33
Comment:

Operator: SD

Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0519	476.7	.0547	.5683	.0441	.0519	473.9
SDev	.0001	.1	.0013	.0059	.0000	.0001	.3
%RSD	.2492	.0303	2.427	1.045	.0164	.1077	.0665
#1	.0520	476.8	.0537	.5641	.0441	.0518	473.7
#2	.0519	476.6	.0556	.5725	.0441	.0519	474.1

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	600.1	.0600	.6600	.0600	.0600	600.1
Low	.0400	400.0	.0400	.4400	.0400	.0400	400.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0477	.0498	.0545	.0480	193.5	555.6	.0594
SDev	.0001	.0005	.0001	.0002	.1	.7	.0002
%RSD	.2564	.9261	.1081	.3515	.0456	.1300	.2913
#1	.0476	.0437	.0544	.0478	193.4	555.1	.0593
#2	.0478	.0495	.0545	.0481	193.5	556.1	.0595

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	.0600	.0600	.0600	240.1	600.1	.0600
Low	.0400	.0400	.0400	.0400	160.0	400.0	.0400

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0527	.0535	.0409	.0582	H.0638	.5848	.0543
SDev	.0014	.0003	.0001	.0012	.0010	.0053	.0029
%RSD	2.594	.4825	.2529	1.998	1.584	.9091	5.379
#1	.0517	.0533	.0409	.0573	H.0645	.5886	.0563
#2	.0536	.0536	.0408	.0590	H.0630	.5810	.0576

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0600	.0600	.0600	.0600	.0600	.6480	.0600

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LOW	.0400	.0400	.0400	.0400	.0400	.4320	.0400
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0534	.0573	.3770	-.1274	.0885	.0511	13.16
SDev	.0004	.0002	.0009	.0006	.0019	.0025	.05
%RSD	.7125	.4195	.2332	.4662	2.134	4.807	.3389

#1	.0531	.0572	.3764	-.1270	.0872	.0529	13.13
#2	.0537	.0575	.3777	-.1279	.0898	.0494	13.20

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.0600	.0600					
Low	.0400	.0400					

Elem	K_7664
Units	ppm
Avge	9.513
SDev	.032
%RSD	.3339

#1	9.491
#2	9.536

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Waven	371.030	---	---	---	---	---	---
Avge	49154	---	---	---	---	---	---
SDev	97.58350	---	---	---	---	---	---
%RSD	.1985281	---	---	---	---	---	---
#1	49084	---	---	---	---	---	---
#2	49223	---	---	---	---	---	---

TJA1488

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SD

Standardization Rot.

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Method: ICAP4HI Standard: SID1-BLANK
Run Time: 11/15/00 11:27:33

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Avg	-.0097	.0361	-.0001	.0028	.0003	.0009	.0053
SDev	.0014	.0004	.0004	.0014	.0001	.0001	.0002
%RSD	14.48	.9939	317.3	47.68	50.57	7.162	3.542
#1	-.0087	.0364	.0002	.0019	.0004	.0008	.0052
#2	-.0107	.0359	-.0004	.0038	.0002	.0009	.0055

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Avg	.0001	-.0003	.0005	.0046	.0001	.0003	.0001
SDev	.0004	.0003	.0000	.0004	.0004	.0003	.0000
%RSD	476.2	103.5	3.014	8.218	395.5	88.18	20.64
#1	.0004	-.0001	.0005	.0049	.0004	.0006	.0002
#2	-.0002	-.0005	.0005	.0043	-.0002	.0001	.0001

Elem	Mo2020	Ni2316	Sb2068	Si2881	Ti1908	V_2924	Zn2062
Avg	.0003	.0017	.0003	.0169	-.0004	.0001	.0128
SDev	.0003	.0010	.0003	.0002	.0001	.0001	.0000
%RSD	130.9	59.83	88.18	1.070	25.81	46.75	.1796
#1	.0000	.0024	.0006	.0171	-.0004	.0001	.0128
#2	.0005	.0010	.0001	.0168	-.0003	.0001	.0128

Elem	2203/1	2203/2	1960/1	1960/2	Na3302	K_7664	
Avg	.0006	-.0011	-.0009	.0005	.0018	-.0314	
SDev	.0040	.0020	.0007	.0005	.0034	.0006	
%RSD	620.8	185.3	85.75	92.06	190.1	1.924	
#1	-.0022	.0003	-.0014	.0009	-.0006	-.0318	
#2	.0034	-.0025	-.0003	.0002	.0042	-.0310	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	53216	--	--	--	--	--	--
SDev	235.4666	--	--	--	--	--	--
%RSD	.4424699	--	--	--	--	--	--
#1	53050	--	--	--	--	--	--
#2	53383	--	--	--	--	--	--

Method: ICAP4HI Standard: IJA#3A
Run Time: 11/15/00 11:32:46

Elem	Ag3280
Avg	.6588
SDev	.0002
%RSD	.0284
#1	.6590
#2	.6587

00407

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	54155	--	--	--	--	--	--
SDev	78.70154	--	--	--	--	--	--
%RSD	.1453266	--	--	--	--	--	--
#1	54099	--	--	--	--	--	--
#2	54211	--	--	--	--	--	--

Method: [CAP4H] Standard: [JA#3B]
 Run Time: 11/15/00 11:36:23

Elem Ag3280
 Avge 1.315
 SDev .002
 %RSD .1491

#1 1.316
 #2 1.313

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	54713	--	--	--	--	--	--
SDev	113.7033	--	--	--	--	--	--
%RSD	.2078174	--	--	--	--	--	--
#1	54794	--	--	--	--	--	--
#2	54633	--	--	--	--	--	--

Method: [CAP4H] Standard: [JA#3C]
 Run Time: 11/15/00 11:40:01

Elem Ag3280
 Avge 2.587
 SDev .001
 %RSD .0256

#1 2.587
 #2 2.587

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	55684	--	--	--	--	--	--
SDev	69.36828	--	--	--	--	--	--
%RSD	.1245741	--	--	--	--	--	--
#1	55635	--	--	--	--	--	--
#2	55733	--	--	--	--	--	--

Method: ICAP4H1 Standard: TJA#2A
 Run Time: 11/15/00 11:43:39

Elem	Al3082	Ca3179	Fe2714	Mg2790	Si2881
Avge	6.060	7.898	3.231	6.239	5.289
SDev	.002	.007	.003	.012	.005
%RSD	.0321	.0845	.0906	.1960	.0970

#1	6.059	7.893	3.229	6.230	5.286
#2	6.061	7.902	3.233	6.247	5.293

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53552	--	--	--	--	--	--
SDev	135.7645	--	--	--	--	--	--
%RSD	.2535185	--	--	--	--	--	--

#1	53456	--	--	--	--	--	--
#2	53648	--	--	--	--	--	--

Method: ICAP4H1 Standard: TJA#2B
 Run Time: 11/15/00 11:47:48

Elem	Al3082	Ca3179	Fe2714	Mg2790	Si2881
Avge	12.07	15.56	6.383	12.45	10.46
SDev	.00	.01	.002	.01	.01
%RSD	.0342	.0672	.0240	.1084	.0906

#1	12.07	15.57	6.384	12.45	10.45
#2	12.06	15.55	6.382	12.44	10.46

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53309	--	--	--	--	--	--
SDev	95.66933	--	--	--	--	--	--
%RSD	.1794631	--	--	--	--	--	--

#1	53241	--	--	--	--	--	--
#2	53376	--	--	--	--	--	--

Method: ICAP4H1 Standard: TJA#2C
 Run Time: 11/15/00 11:51:58

Elem	Al3082	Ca3179	Fe2714	Mg2790	Si2881
Avge	24.01	30.38	12.51	24.86	20.59
SDev	.00	.03	.02	.03	.03
%RSD	.0095	.1056	.1261	.1359	.1383

#1	24.01	30.36	12.50	24.83	20.57
#2	24.01	30.41	12.52	24.88	20.61

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

00409

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52906	--	--	--	--	--	--
SDev	47.30710	--	--	--	--	--	--
%RSD	.0894172	--	--	--	--	--	--
#1	52940	--	--	--	--	--	--
#2	52873	--	--	--	--	--	--

Method: ICAP4HI Standard: IJA#1A
 Run Time: 11/15/00 11:56:16

Elem	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286	Cr2677
Avge	.2741	1.517	3.475	7.342	5.912	1.483	1.345
SDev	.0016	.003	.000	.010	.012	.003	.002
%RSD	.5790	.2098	.0030	.1357	.2059	.1756	.1395
#1	.2730	1.515	3.475	7.335	5.903	1.481	1.344
#2	.2753	1.519	3.475	7.349	5.920	1.485	1.346

Elem	Cu3247	Mn2576	Mo2020	Ni2318	Sb2068	Ti1908	V_2924
Avge	1.331	.9083	.5191	1.776	.1520	.0989	.4819
SDev	.001	.0009	.0098	.003	.0002	.0001	.0006
%RSD	.0392	.0982	1.891	.1684	.1328	.1191	.1134
#1	1.331	.9076	.5122	1.774	.1518	.0989	.4815
#2	1.331	.9089	.5260	1.778	.1521	.0988	.4823

Elem	Zn2062	220371	220372	196071	196072
Avge	1.627	1.474	2.056	.5062	.2636
SDev	.003	.005	.005	.0072	.0100
%RSD	.1764	.3158	.2201	1.415	3.776
#1	1.625	1.470	2.053	.5011	.2566
#2	1.629	1.477	2.059	.5112	.2706

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53391	--	--	--	--	--	--
SDev	15.05917	--	--	--	--	--	--
%RSD	.0282054	--	--	--	--	--	--
#1	53402	--	--	--	--	--	--
#2	53381	--	--	--	--	--	--

Method: ICAP4HI Standard: IJA#1B
 Run Time: 11/15/00 12:00:58

Elem	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286	Cr2677
Avge	.5521	3.026	6.850	14.48	11.71	2.941	2.664
SDev	.0014	.011	.011	.00	.00	.000	.001
%RSD	.2618	.3511	.1576	.0265	.0365	.0023	.0558
#1	.5511	3.019	6.843	14.48	11.71	2.941	2.663
#2	.5531	3.034	6.858	14.48	11.71	2.941	2.665

PC410

Elem	Cu3247	Mn2576	Mo2020	Ni2316	Sb2068	Tl1908	V_2924
Avg	2.844	1.784	1.055	3.512	.3041	.1973	.9582
SDev	.004	.000	.007	.005	.0002	.0007	.0006
%RSD	.1496	.0161	.6967	.1538	.0749	.3646	.0571
#1	2.642	1.783	1.050	3.508	.3040	.1978	.9578
#2	2.647	1.784	1.061	3.516	.3043	.1968	.9586

Elem	Zn2062	2203/1	2203/2	1960/1	1960/2
Avg	3.215	2.914	4.066	1.036	.5390
SDev	.003	.026	.016	.003	.0070
%RSD	.0937	.9014	.4007	.3317	1.305
#1	3.218	2.933	4.078	1.038	.5340
#2	3.213	2.895	4.055	1.033	.5440

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avg	53494	--	--	--	--	--	--
SDev	313.3201	--	--	--	--	--	--
%RSD	.5857069	--	--	--	--	--	--
#1	53273	--	--	--	--	--	--
#2	53716	--	--	--	--	--	--

Method: ICAP4HI Standard: TJA#1G
 Run Time: 11/15/00 12:05:40

Elem	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286	Cr2677
Avg	1.092	5.983	13.28	28.03	22.92	5.794	5.235
SDev	.006	.012	.01	.03	.07	.015	.010
%RSD	.5916	.1955	.1095	.1011	.3118	.2526	.1944
#1	1.087	5.974	13.29	28.01	22.87	5.784	5.227
#2	1.096	5.991	13.27	28.05	22.98	5.804	5.242

Elem	Cu3247	Mn2576	Mo2020	Ni2316	Sb2068	Tl1908	V_2924
Avg	5.206	3.457	2.105	6.902	.6019	.3907	1.885
SDev	.000	.004	.012	.015	.0020	.0022	.002
%RSD	.0010	.1098	.5870	.2205	.3370	.5656	.0975
#1	5.206	3.454	2.096	6.891	.6005	.3891	1.884
#2	5.206	3.459	2.113	6.913	.6033	.3923	1.886

Elem	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302	K_7664
Avg	6.318	5.759	8.056	2.079	1.090	2.560	1.827
SDev	.026	.029	.023	.009	.010	.008	.006
%RSD	.4190	.5117	.2894	.4541	.9457	.3132	.3186
#1	6.300	5.780	8.040	2.086	1.083	2.565	1.831
#2	6.337	5.738	8.073	2.072	1.097	2.554	1.823

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	53707	--	--	--	--	--	--
SDev	210.2234	--	--	--	--	--	--
%RSD	.3914283	--	--	--	--	--	--
#1	53558	--	--	--	--	--	--
#2	53855	--	--	--	--	--	--

Method: ICAP4HJ Slope = Conc(SIR)/IR

Element	Wavelength	High std	Low std	Slope	Y-intercept	Date Standardized
g3280	328.068	Multiple Standards	Standards	.378842	.003649	11/15/00 11:40:01
13082	308.215	Multiple Standards	Standards	4.16775	-.151103	11/15/00 11:51:58
s1890	189.042	Multiple Standards	Standards	4.53562	.000537	11/15/00 12:05:40
12496	249.678	Multiple Standards	Standards	.827901	-.002408	11/15/00 12:05:40
a4934	493.409	Multiple Standards	Standards	.366962	-.000311	11/15/00 12:05:40
e3130	313.042	Multiple Standards	Standards	.173765	-.000360	11/15/00 12:05:40
a3179	317.933	Multiple Standards	Standards	3.22389	-.020697	11/15/00 11:51:58
d2265	226.502	Multiple Standards	Standards	.214325	-.000159	11/15/00 12:05:40
o2286	228.616	Multiple Standards	Standards	.852743	.000133	11/15/00 12:05:40
r2677	267.716	Multiple Standards	Standards	.941095	-.000609	11/15/00 12:05:40
u3247	324.753	Multiple Standards	Standards	.950210	-.004471	11/15/00 12:05:40
a4	271.441	Multiple Standards	Standards	7.85422	-.003773	11/15/00 11:51:58
g230	279.078	Multiple Standards	Standards	4.01601	-.001767	11/15/00 11:51:58
n2576	257.610	Multiple Standards	Standards	1.40783	-.000411	11/15/00 12:05:40
o2020	202.030	Multiple Standards	Standards	2.38461	-.000528	11/15/00 12:05:40
h2316	231.604	Multiple Standards	Standards	.713659	-.001310	11/15/00 12:05:40
b2203	220.353	Multiple Standards	Standards	1.00000	.000000	*NOT STANDARDIZED
b2068	206.838	Multiple Standards	Standards	8.20499	-.002889	11/15/00 12:05:40
e1960	196.026	Multiple Standards	Standards	1.00000	.000000	*NOT STANDARDIZED
h2881	288.158	Multiple Standards	Standards	8.21229	-.142927	11/15/00 11:51:58
h1908	190.864	Multiple Standards	Standards	12.6762	.004582	11/15/00 12:05:40
2924	292.402	Multiple Standards	Standards	2.61630	-.000392	11/15/00 12:05:40
n2062	206.200	Multiple Standards	Standards	.782640	-.010136	11/15/00 12:05:40
203/1	220.351	Multiple Standards	Standards	.858328	-.000656	11/15/00 12:05:40
203/2	220.352	Multiple Standards	Standards	.613993	.000572	11/15/00 12:05:40
960/1	196.021	Multiple Standards	Standards	2.42768	.002206	11/15/00 12:05:40
960/2	196.022	Multiple Standards	Standards	4.66159	-.002334	11/15/00 12:05:40
a3302	330.232	IJA#1C	STD1-BLANK	1.00409	-.000496	11/15/00 12:05:40
7664	766.491	IJA#1C	STD1-BLANK	1.02657	.015058	11/15/00 12:05:40

Method: ICAP4HJ

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
g3280	328.068	STD1-BLANK	.000000	-.000026	.000026
		IJA#3A	.250000	.253246	-.003246
		IJA#3B	.500000	.501651	-.001651
		IJA#3C	1.000000	.983716	.016284

Ref: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
13082	308.215	STD1-BLANK	.000000	-.000457	.000457
		IJA#2A	25.0000	25.1052	-.1052
		IJA#2B	50.0000	50.1348	-.1348

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CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1890	189.042	STD1-BLANK	.000000	-.000013	.000013
		TJA#1A	1.25000	1.24388	.006121
		TJA#1B	2.50000	2.50470	-.004702
		TJA#1C	5.00000	4.95133	.048668

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2496	249.678	STD1-BLANK	.000000	-.000054	.000054
		TJA#1A	1.25000	1.25333	-.003326
		TJA#1B	2.50000	2.50322	-.003221
		TJA#1C	5.00000	4.95070	.049297

CorCoef: 0.99982

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
4934	493.409	STD1-BLANK	.000000	-.000204	.000204
		TJA#1A	1.25000	1.27489	-.024889
		TJA#1B	2.50000	2.51356	-.013560
		TJA#1C	5.00000	4.87332	.126675

CorCoef: 0.99981

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
3130	313.042	STD1-BLANK	.000000	-.000208	.000208
		TJA#1A	1.25000	1.27550	-.025503
		TJA#1B	2.50000	2.51561	-.015610
		TJA#1C	5.00000	4.86962	.130382

CorCoef: 0.99989

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
3179	317.933	STD1-BLANK	.000000	-.003494	.003494
		TJA#2A	25.0000	25.4407	-.440741
		TJA#2B	50.0000	50.1505	-.150482
		TJA#2C	100.000	97.9361	2.06393

CorCoef: 0.99992

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2265	226.502	STD1-BLANK	.000000	-.000138	.000138
		TJA#1A	1.25000	1.26683	-.016832
		TJA#1B	2.50000	2.50974	-.009744
		TJA#1C	5.00000	4.91318	.086815

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2286	228.616	STD1-BLANK	.000000	-.000107	.000107
		TJA#1A	1.25000	1.26458	-.014582
		TJA#1B	2.50000	2.50792	-.007925
		TJA#1C	5.00000	4.94082	.059177

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2677	267.716	STD1-BLANK	.000000	-.000123	.000123
		TJA#1A	1.25000	1.26528	-.015277
		TJA#1B	2.50000	2.50660	-.006600

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
forCoef: 0.99994		TJA#1C	5.00000	4.92570	.074299
		STD1-BLANK	.000000	-.000087	.000087
		TJA#1A	1.25000	1.26022	-.010220
		TJA#1B	2.50000	2.50822	-.008217
		TJA#1C	5.00000	4.94269	.057314

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
forCoef: 0.99996		TJA#2A	25.0000	25.3720	-.372042
		TJA#2B	50.0000	50.1310	-.131046
		TJA#2C	100.000	98.2497	1.75025
		STD1-BLANK	.000000	-.002954	.002954

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
forCoef: 0.99992		TJA#2A	25.0000	25.0525	-.052509
		TJA#2B	50.0000	49.9791	.020882
		TJA#2C	100.000	99.8317	.168274
		STD1-BLANK	.000000	-.000368	.000368

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
forCoef: 1.00000		TJA#1A	1.25000	1.27829	-.028288
		TJA#1B	2.50000	2.51055	-.010549
		TJA#1C	5.00000	4.86575	.134250
		STD1-BLANK	.000000	-.000225	.000225

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
forCoef: 0.99981		TJA#1A	1.25000	1.23731	.012688
		TJA#1B	2.50000	2.51632	-.016322
		TJA#1C	5.00000	5.01811	-.018106
		STD1-BLANK	.000000	.000075	-.000075

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
forCoef: 0.99999		TJA#1A	1.25000	1.26627	-.016273
		TJA#1B	2.50000	2.50527	-.005268
		TJA#1C	5.00000	4.92437	.075629
		STD1-BLANK	.000000	-.000129	.000129

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
forCoef: 0.99994		TJA#1A	1.25000	1.26627	-.016273
		TJA#1B	2.50000	2.50527	-.005268
		TJA#1C	5.00000	4.92437	.075629
		STD1-BLANK	.000000	-.000129	.000129

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
forCoef: 0.00000		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		STD1-BLANK	.000000	-.000031	.000031
		TJA#1A	1.25000	1.24389	.006108
		TJA#1B	2.50000	2.49260	.007395

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
CorCoef: 0.99998					
1960	196.026	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
CorCoef: 0.00000					
2881	288.158	STD1-BLANK	.000000	-.003883	.003883
		TJA#2A	42.8000	43.2954	-.495365
		TJA#2B	85.6000	85.7340	-.134033
		TJA#2C	171.200	168.950	2.24953
CorCoef: 0.99996					
1908	190.864	STD1-BLANK	.000000	-.000066	.000066
		TJA#1A	1.25000	1.25781	-.007806
		TJA#1B	2.50000	2.50587	-.005866
		TJA#1C	5.00000	4.95705	.042953
CorCoef: 0.99998					
2924	292.402	STD1-BLANK	.000000	-.000098	.000098
		TJA#1A	1.25000	1.26042	-.010420
		TJA#1B	2.50000	2.50653	-.006532
		TJA#1C	5.00000	4.93176	.068242
CorCoef: 0.99995					
2062	206.200	STD1-BLANK	.000000	-.000106	.000106
		TJA#1A	1.25000	1.26308	-.013082
		TJA#1B	2.50000	2.50640	-.006400
		TJA#1C	5.00000	4.93487	.065130
CorCoef: 0.99995					
20371	220.351	STD1-BLANK	.000000	-.000107	.000107
		TJA#1A	1.25000	1.26419	-.014190
		TJA#1B	2.50000	2.50047	-.000473
		TJA#1C	5.00000	4.94229	.057706
CorCoef: 0.99997					
20372	220.352	STD1-BLANK	.000000	-.000100	.000100
		TJA#1A	1.25000	1.26310	-.013100
		TJA#1B	2.50000	2.49730	.002704
		TJA#1C	5.00000	4.94701	.052990
CorCoef: 0.99998					
96071	196.021	STD1-BLANK	.000000	.000127	-.000127
		TJA#1A	1.25000	1.23098	.019016
		TJA#1B	2.50000	2.51633	-.016328

00415

CorCoet: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
		TJA#1C	5.00000	5.04896	-.048959
		STD1-BLANK	.000000	.000168	-.000168
		TJA#1A	1.25000	1.22647	.023525
		TJA#1B	2.50000	2.51017	-.010169
		TJA#1C	5.00000	5.07871	-.078713

CorCoet: 0.99995

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
		STD1-BLANK	.001317	.001806	-.000489
		TJA#1C	2.56953	2.55955	.009985

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
		STD1-BLANK	-.017168	-.031392	.014224
		TJA#1C	1.89023	1.82664	.063586

File: ICAP4H1 Sample Name: ICB1

Operator: SD

Run Time: 11/15/00 12:30:59

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	.0017	.0027	.0066	.0005	.0003	-.0003
SD	.0011	.0078	.0005	.0005	.0002	.0000	.0000
%RSD	150.2	445.0	18.25	6.932	50.92	12.75	4.270

#1	.0000	.0072	.0030	.0069	.0006	.0004	-.0003
#2	-.0016	-.0038	.0023	.0062	.0003	.0003	-.0003

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0003	.0005	-.0005	-.0113	-.0012	.0002
SD	.0002	.0004	.0002	.0010	.0123	.0072	.0001
%RSD	58.20	131.0	47.10	208.0	109.1	624.1	65.71

#1	.0005	.0005	.0003	.0002	-.0026	.0039	.0003
#2	.0002	.0000	.0006	-.0012	-.0200	-.0062	.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039	.0003	.0019	.0008	.0040	.1213	-.0028
SD	.0001	.0004	.0001	.0082	.0036	.0108	.0014
%RSD	3.767	131.4	7.501	1076.	88.49	8.903	48.41

#1	.0038	.0006	.0020	.0066	.0066	.1289	-.0038
#2	.0040	.0000	.0018	-.0050	.0015	.1136	-.0019

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0071	.0050	.0000	.0057	.0029	.2433
SD	.0003	.0002	.0042	.0023	.0013	.0060	.0201
%RSD	79.84	3.083	83.41	4716.	22.11	203.1	8.253

#1	.0007	-.0069	.0021	.0017	.0048	.0072	.2291
#2	.0002	-.0072	.0080	-.0016	.0065	-.0013	.2575

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem K 7664

00417

Units ppm
 Avge H.5344
 SDev .0096
 %RSU 1.804

#1 H.5412
 #2 H.5276

Errors LC High
 High .5000
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53001	--	--	--	--	--	--
SDev	143.8244	--	--	--	--	--	--
%RSD	.2713632	--	--	--	--	--	--
#1	52899	--	--	--	--	--	--
#2	53102	--	--	--	--	--	--

Method: ICAP4HI Standard: STD1-BLANK
Run Time: 11/15/00 12:40:03

Elem Mo2020
Avge .0013
SDev .0003
%RSD 19.66

#1 .0015
#2 .0011

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53851	--	--	--	--	--	--
SDev	177.9782	--	--	--	--	--	--
%RSD	.3305009	--	--	--	--	--	--
#1	53725	--	--	--	--	--	--
#2	53977	--	--	--	--	--	--

Method: ICAP4HI Slope = Conc(SIR)/IR

Element	Wavlen	High std	Low std	Slope	Y-intercept	Date Standardized
Mo2020	202.030	Multiple	Standards	2.38736	-.003000	11/15/00 12:40:03

Method: ICAP4HI

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	STD1-BLANK	.000000	.000082	-.000082
		TJA#1A	1.25000	1.23627	.013732
		TJA#1B	2.50000	2.51675	-.016753
		TJA#1C	5.00000	5.02142	-.021421

CorCoef: 0.99999

Method: ICAP4HI Standard: STD1-BLANK
Run Time: 11/15/00 12:43:11

Elem Mo2020 Na3302 K_7664
Avge .0011 .0001 -.0326
SDev .0001 .0075 .0015
%RSD 8.297 12340. 4.687

#1 .0011 -.0052 -.0337
#2 .0012 .0054 -.0315

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53251	--	--	--	--	--	--
SDev	61.94366	--	--	--	--	--	--
%RSD	.1163235	--	--	--	--	--	--
#1	53295	--	--	--	--	--	--
#2	53207	--	--	--	--	--	--

Method: ICAP4H1

Slope = Conc(SIR)/IR

Element	Wavelength	High std	Low std	Slope	Y-intercept	Date Standardized
2020	202.030	Multiple	Standards	2.38695	-.002631	11/15/00 12:43:11
3302	330.232	TJA#1C	STD1-BLANK	1.00341	.001256	11/15/00 12:43:11
7664	766.491	TJA#1C	STD1-BLANK	1.02589	.016295	11/15/00 12:43:11

Method: ICAP4H1

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2020	202.030	STD1-BLANK	.000000	.000081	-.000081
		TJA#1A	1.25000	1.23642	.013576
		TJA#1B	2.50000	2.51669	-.016689
		TJA#1C	5.00000	5.02093	-.020926

CorCoef: 0.99999

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
3302	330.232	STD1-BLANK	.001317	.000061	.001256
		TJA#1C	2.56953	2.55955	.009985

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
7664	766.491	STD1-BLANK	-.017168	-.032618	.015450
		TJA#1C	1.89023	1.82664	.063586

File Id: JCAP4H1 Sample Name: ICB1

Operator: SD

Run Time: 11/15/00 12:48:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	-.0016	.0025	.0012	-.0001	-.0000	-.0034
SDev	.0001	.0013	.0001	.0001	.0000	.0000	.0001
%RSD	16.75	84.13	2.018	9.477	6.148	90.63	3.038

#1	-.0007	-.0006	.0026	.0011	-.0001	-.0001	-.0035
#2	-.0009	-.0025	.0025	.0013	-.0001	-.0000	-.0033

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0003	-.0005	-.0011	-.0130	-.0037	-.0002
SDev	.0001	.0003	.0005	.0003	.0045	.0023	.0000
%RSD	195.0	109.0	93.40	23.66	34.72	62.17	16.77

#1	-.0001	-.0001	-.0008	-.0009	-.0098	-.0021	-.0003
#2	.0000	-.0004	-.0002	-.0012	-.0162	-.0053	-.0002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0010	.0008	-.0024	.0005	.0401	-.0030
SDev	.0006	.0006	.0005	.0048	.0004	.0041	.0006
%RSD	244.4	61.26	60.52	195.7	94.91	10.31	21.40

#1	-.0007	-.0014	.0012	.0009	.0008	.0431	-.0035
#2	.0002	-.0006	.0005	-.0058	.0002	.0372	-.0026

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	-.0071	.0000	.0009	.0017	-.0004	.0295
SDev	.0002	.0000	.0031	.0022	.0009	.0011	.1804
%RSD	41.79	.5812	9118.	242.4	54.02	263.2	612.0

#1	-.0006	-.0071	-.0021	.0025	.0010	.0004	-.0981
#2	-.0003	-.0072	.0022	-.0007	.0023	-.0012	.1571

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem K 7664

421

Units ppm
 Avge H.5765
 SDev .0558
 %RSD 9.686

#1 H.5370
 #2 H.6160

Errors LC High
 High .5000
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	53425	---	---	---	---	---	---
SDev	188.1594	---	---	---	---	---	---
%RSD	.3521933	---	---	---	---	---	---
#1	53558	---	---	---	---	---	---
#2	53292	---	---	---	---	---	---

Method: ICAP4HI Sample Name: CHDL1
 Run Time: 11/15/00 12:53:31
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.0986	H.0055	.1034	.0051	.0009	.1992
SDev	.0004	.0006	.0012	.0008	.0000	.0000	.0002
%RSD	14.28	.6311	21.63	.7853	.0535	2.445	.1210

#1	.0029	.0990	H.0063	.1039	.0051	.0009	.1990
#2	L.0024	.0981	.0046	.1028	.0051	.0010	.1994

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0036	.1200	.0048	.1200	.0060	.0012	.2400
Low	.0024	.0800	.0032	.0800	.0040	.0008	.1600

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0020	.0050	.0044	.0451	.2952	.0052
SDev	.0001	.0000	.0002	.0003	.0001	.0016	.0000
%RSD	13.53	.6970	4.744	6.385	.1494	.5273	.2020

#1	.0009	.0020	.0048	.0046	.0452	.2963	.0052
#2	.0011	.0020	.0052	.0042	.0451	.2941	.0052

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0012	.0024	.0060	.0060	.0600	.3600	.0060
Low	.0008	.0016	.0040	.0040	.0400	.2400	.0040

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0040	.0048	.0030	.0098	.0084	1.096	.0091

110422

SDev	.0006	.0001	.0008	.0038	.0005	.007	.0044
%RSD	14.46	2.091	25.08	38.99	5.791	.5936	48.64
#1	L.0036	.0049	.0036	L.0071	.0080	1.101	L.0080
#2	.0044	.0048	.0025	H.0125	.0087	1.091	H.0123

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0060	.0060	.0036	.0120	.0120	1.284	.0120
Low	.0040	.0040	.0024	.0080	.0080	.8560	.0080

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	L.0105	.0044	.0021	.0115	.0065	H.7580
SDev	.0003	.0002	.0019	.0021	.0040	.0013	.0411
%RSD	15.11	2.241	43.46	102.7	35.03	19.63	5.427

#1	.0018	L.0103	.0031	.0035	.0086	.0074	H.7289
#2	.0022	L.0107	.0058	.0006	.0143	.0056	H.7871

Errors	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	.0024	.0240					.6000
Low	.0016	.0160					.4000

Elem	K_7664
Units	ppm
Avge	H1.055
SDev	.032
%RSD	3.051

#1	H1.077
#2	H1.032

Errors	LC High
High	.6000
Low	.4000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	54461	---	---	---	---	---	---
SDev	75.09695	---	---	---	---	---	---
%RSD	.1378902	---	---	---	---	---	---
#1	54408	---	---	---	---	---	---
#2	54515	---	---	---	---	---	---

Method: ICAP4HI Standard: STD1-BLANK
Run Time: 11/15/00 13:00:24

Elem	Zn2062	Na3302	K_7664
Avge	.0035	-.0024	-.0323
SDev	.0002	.0048	.0006
%RSD	5.031	200.1	1.809
#1	.0034	-.0058	-.0327
#2	.0037	.0010	-.0319

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	53476	---	---	---	---	---	---
SDev	82.51881	---	---	---	---	---	---
%RSD	.1543098	---	---	---	---	---	---
#1	53534	---	---	---	---	---	---
#2	53418	---	---	---	---	---	---

Method: ICAP4HI Slope = Conc(SIR)/IR

Element	Wavelength	High std	Low std	Slope	Y-intercept	Date Standardized
Zn2062	206.200	Multiple	Standards	.780001	-.002876	11/15/00 01:00:24
Na3302	330.232	TJA#1C	STD1-BLANK	1.00245	.003713	11/15/00 01:00:24
K_7664	766.491	TJA#1C	STD1-BLANK	1.02605	.016006	11/15/00 01:00:24

Method: ICAP4HI

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2062	206.200	STD1-BLANK	.000000	-.000127	.000127
		TJA#1A	1.25000	1.26605	-.016049
		TJA#1B	2.50000	2.50517	-.005174
		TJA#1C	5.00000	4.92546	.074544

CorCoef: 0.99994

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Na3302	330.232	STD1-BLANK	.001317	-.002390	.003707
		TJA#1C	2.56953	2.55955	.009985

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
K_7664	766.491	STD1-BLANK	-.017168	-.032332	.015164
		TJA#1C	1.89023	1.82664	.063586

Analysis Report

11/15/00 01:10:06 PM

page 1

Method: ICAP4HJ Sample Name: CRDL1

Operator: SD

Run Time: 11/15/00 13:04:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027	.0988	H.0057	.1027	.0050	.0009	.1976
SDev	.0014	.0073	.0007	.0010	.0002	.0000	.0015
%RSD	52.37	7.414	11.90	1.007	4.495	3.063	.7666

#1	L.0017	.0937	H.0052	.1019	.0049	.0008	.1965
#2	H.0037	.1040	H.0062	.1034	.0052	.0009	.1986

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0036	.1200	.0048	.1200	.0060	.0012	.2400
Low	.0024	.0800	.0032	.0800	.0040	.0008	.1600

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0021	.0045	.0040	.0445	.2935	.0051
SDev	.0003	.0009	.0006	.0008	.0148	.0050	.0001
%RSD	32.66	42.74	12.84	18.47	33.31	1.714	2.706

#1	L.0007	L.0014	.0041	L.0035	L.0340	.2899	.0050
#2	.0011	H.0027	.0049	.0046	.0550	.2970	.0052

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0012	.0024	.0060	.0060	.0600	.3600	.0060
Low	.0008	.0016	.0040	.0040	.0400	.2400	.0040

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	L.0028	L.0038	.0034	.0081	.0103	1.085	.0111
SDev	.0001	.0010	.0001	.0017	.0018	.011	.0017
%RSD	3.447	26.21	1.614	20.53	17.70	1.001	15.12

#1	L.0029	L.0031	.0034	L.0069	.0116	1.078	.0099
#2	L.0027	.0045	.0035	.0092	.0090	1.093	H.0123

Errors	LC Low	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0060	.0060	.0036	.0120	.0120	1.284	.0120
Low	.0040	.0040	.0024	.0080	.0080	.8560	.0080

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	L.0015	.0176	.0016	.0041	.0066	.0119	H.6783
SDev	.0007	.0003	.0019	.0010	.0046	.0005	.3202
%RSD	44.68	1.916	121.3	25.80	69.45	3.930	47.21

#1	L.0010	.0173	.0030	.0033	.0098	.0123	.4519
#2	.0019	.0178	.0002	.0048	.0033	.0116	H.9047

Errors	LC Low	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	.0024	.0240					.6000
Low	.0016	.0160					.4000

Elem K_7664

0125

Units ppm
 Avge H.9977
 SDev .0476
 %RSD 4.775

#1 H.9640
 #2 H1.031

Errors LC High
 High .6000
 Low .4000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	54428	---	---	---	---	---	---
SDev	273.2249	---	---	---	---	---	---
%RSD	.5019925	---	---	---	---	---	---
#1	54621	---	---	---	---	---	---
#2	54235	---	---	---	---	---	---

Method: ICAP4HI Sample Name: IJA#1
 Run Time: 11/15/00 13:10:12
 Element:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0048	-.0183	4.957	5.004	4.855	4.861	.0002
SDev	.0011	.0056	.018	.001	.004	.006	.0001
%RSD	21.91	30.89	.3549	.0224	.0802	.1177	78.56
#1	-.0055	-.0222	4.945	5.003	4.858	4.857	.0001
#2	-.0041	-.0143	4.969	5.005	4.853	4.865	.0003

Errors NOCHECK NOCHECK LC Pass LC Pass LC Pass LC Pass NOCHECK
 High 5.250 5.250 5.250 5.250 5.250 5.250
 Low 4.750 4.750 4.750 4.750 4.750 4.750

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.930	4.932	4.935	4.941	.4017	-.0083	4.866
SDev	.007	.008	.007	.002	.0112	.0037	.004
%RSD	.1479	.1574	.1501	.0396	2.782	44.82	.0858
#1	4.924	4.927	4.929	4.943	.3938	-.0109	4.863
#2	4.935	4.938	4.940	4.940	.4096	-.0056	4.869

Errors LC Pass LC Pass LC Pass LC Pass NOCHECK NOCHECK LC Pass
 High 5.250 5.250 5.250 5.250
 Low 4.750 4.750 4.750 4.750

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.982	4.955	4.964	4.944	5.038	.2165	4.969

00426

SDev	.043	.011	.013	.005	.053	.0096	.007
%RSD	.8713	.2147	.2707	.1072	1.055	4.415	.1406

#1	4.951	4.947	4.954	4.940	5.000	.2097	4.964
#2	5.013	4.962	4.973	4.947	5.075	.2232	4.974

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	5.250	5.250	5.250	5.250	5.250		5.250
Low	4.750	4.750	4.750	4.750	4.750		4.750

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.937	4.937	4.941	4.975	5.021	5.046	99.97
SDev	.005	.014	.003	.019	.034	.062	.04
%RSD	.1048	.2885	.0673	.3726	.6861	1.238	.0405

#1	4.933	4.926	4.939	4.962	4.996	5.002	100.00
#2	4.941	4.947	4.944	4.988	5.045	5.090	99.94

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.250	5.250					105.0
Low	4.750	4.750					95.00

Elem	K_7664
Units	ppm
Avge	50.26
SDev	.14
%RSD	.2744

#1	50.36
#2	50.17

Errors	LC Pass
High	52.50
Low	47.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52887	--	--	--	--	--	--
SDev	32.88047	--	--	--	--	--	--
%RSD	.0621717	--	--	--	--	--	--
#1	52910	--	--	--	--	--	--
#2	52863	--	--	--	--	--	--

Method: ICAP4HI Sample Name: IJA#2
 Run Time: 11/15/00 13:15:26
 Mode: CONC Corr. Factor: 1

Operator: SD

00427

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	99.18	.0311	.0068	.0064	.0081	98.25
SDev	.0015	.09	.0084	.0053	.0045	.0046	.21

%RSD	227.7	.0932	26.93	78.00	70.93	57.29	.2123
#1	-.0004	99.12	.0370	.0106	.0096	.0113	98.11
#2	.0017	99.25	.0252	.0031	.0032	.0048	98.40
Errors High	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
Low		105.0					105.0
		95.00					95.00
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0058	.0086	.0097	.0083	98.54	100.5	.0115
SDev	.0045	.0037	.0046	.0034	.20	.3	.0046
%RSD	76.97	42.79	47.13	40.97	.2029	.2985	39.73
#1	.0090	.0112	.0129	.0107	98.40	100.3	.0148
#2	.0027	.0060	.0065	.0059	98.68	100.7	.0083
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
Low					105.0	105.0	
					95.00	95.00	
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0451	.0092	.0067	.0112	.0647	169.0	.0073
SDev	.0176	.0049	.0036	.0015	.0238	.4	.0003
%RSD	38.98	53.07	53.49	13.75	36.78	.2257	4.736
#1	.0575	.0127	.0093	.0123	.0816	168.8	.0076
#2	.0327	.0058	.0042	.0101	.0479	169.3	.0071
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
Low						180.0	
						162.0	
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0113	.0091	.0678	-.0240	.0651	.0643	.3583
SDev	.0045	.0044	.0070	.0019	.0214	.0250	.1149
%RSD	39.61	48.16	10.41	7.731	32.88	38.89	32.07
#1	.0145	.0122	.0727	-.0227	.0803	.0820	.4396
#2	.0082	.0060	.0628	-.0253	.0500	.0466	.2771
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Low							
Elem	K_7664						
Units	ppm						
Avge	.4189						
SDev	.0519						
%RSD	12.38						
#1	.4556						
#2	.3822						

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	51950	--	--	--	--	--	--
SDev	182.0082	--	--	--	--	--	--
%RSD	.3503499	--	--	--	--	--	--
#1	52079	--	--	--	--	--	--
#2	51822	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: IJA#3

Operator: SD

Run Time: 11/15/00 13:20:40

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9792	.1686	.0065	.0017	.0004	.0004	.1720
SDev	.0017	.0964	.0015	.0007	.0003	.0003	.0983
%RSD	.1699	57.16	22.62	42.11	85.72	66.70	57.15
#1	.9781	.2367	.0075	.0022	.0007	.0006	.2415
#2	.9804	.1004	.0054	.0012	.0002	.0002	.1025

Errors LC Pass NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
High 1.050
Low .9500

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0005	.0006	-.0004	.1945	.1722	.0005
SDev	.0003	.0001	.0004	.0012	.1045	.0979	.0003
%RSD	60.37	14.29	57.73	301.2	53.72	56.84	71.93
#1	.0007	.0006	.0009	.0004	.2684	.2414	.0007
#2	.0003	.0005	.0004	-.0012	.1206	.1030	.0002

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
High
Low

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0094	-.0008	.0012	.0016	.0119	.3193	-.0013
SDev	.0007	.0006	.0004	.0022	.0018	.1845	.0084
%RSD	7.128	73.25	31.24	136.3	15.03	57.78	630.2
#1	.0099	-.0004	.0014	.0032	.0131	.4497	.0046
#2	.0090	-.0012	.0009	.0001	.0106	.1888	-.0073

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
High

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LOW

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0023	-.0010	.0019	.0100	.0125	.1388
SDev	.0000	.0004	.0022	.0016	.0007	.0030	.0328
%RSD	36.17	15.90	227.7	83.85	7.291	24.32	23.61

#1	.0001	.0026	-.0025	.0031	.0095	.0147	.1156
#2	.0001	.0021	.0006	.0008	.0106	.0104	.1620

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avge	.6043
SDev	.0131
%RSD	2.173

#1	.6136
#2	.5950

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	55511	--	--	--	--	--	--
SDev	155.4917	--	--	--	--	--	--
%RSD	.2801114	--	--	--	--	--	--
#1	55401	--	--	--	--	--	--
#2	55621	--	--	--	--	--	--

Method: ICP4HI Sample Name: ICP1
 Run Time: 11/15/00 13:25:54
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.392	2.452	2.438	2.607	2.484	2.511	2.497
SDev	.001	.001	.017	.000	.002	.003	.000
%RSD	.0531	.0279	.6783	.0175	.0657	.1345	.0091

#1	2.391	2.453	2.426	2.608	2.482	2.509	2.497
#2	2.393	2.452	2.449	2.607	2.485	2.514	2.497

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	2.625		2.625	2.750	2.625	2.625	
Low	2.375		2.375	2.250	2.375	2.375	

00430

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.494	2.494	2.562	2.516	2.724	2.422	2.506
SDev	.002	.005	.004	.003	.000	.003	.003
%RSD	.0759	.1810	.1540	.1114	.0100	.1048	.1012
#1	2.493	2.491	2.559	2.514	2.724	2.423	2.504
#2	2.496	2.498	2.565	2.518	2.724	2.420	2.508

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.516	2.512	2.534	2.486	2.533	27.27	2.502
SDev	.021	.002	.010	.001	.044	.03	.003
%RSD	.8505	.0706	.3757	.0409	1.753	.1282	.1059

#1	2.501	2.511	2.527	2.485	2.502	27.25	2.500
#2	2.531	2.513	2.541	2.486	2.564	27.30	2.504

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.513	2.484	2.521	2.540	2.521	2.539	49.76
SDev	.002	.003	.007	.011	.028	.052	.14
%RSD	.0944	.1330	.2677	.4294	1.122	2.067	.2743

#1	2.511	2.482	2.516	2.533	2.501	2.502	49.67
#2	2.514	2.486	2.526	2.548	2.541	2.576	49.86

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avge	25.83
SDev	.01
%RSD	.0285

#1	25.83
#2	25.82

Errors	LC Pass
High	26.25
Low	2.375

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Instd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--

Avg	53465	--	--	--	--	--	--
SD	11.45458	--	--	--	--	--	--
%RSD	.0214244	--	--	--	--	--	--
#1	53457	--	--	--	--	--	--
#2	53473	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: ICV2 AL CA MG FE SI1 Operator: SD
 Run Time: 11/15/00 13:31:09
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047	48.17	.0166	.0226	.0034	.0041	47.72
SD	.0019	.07	.0039	.0025	.0023	.0023	.06
%RSD	41.29	.1444	23.42	10.87	69.34	57.45	.1167
#1	.0061	48.12	.0193	.0244	.0050	.0057	47.68
#2	.0033	48.22	.0138	.0209	.0017	.0024	47.76
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	.0095	.0085	.0040	48.57	48.56	.0904
SD	.0021	.0019	.0025	.0025	.06	.07	.0021
%RSD	74.16	19.47	29.88	62.79	.1320	.1534	2.304
#1	.0043	.0109	.0103	.0058	48.52	48.51	.0919
#2	.0013	.0082	.0067	.0022	48.61	48.61	.0889
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0284	.0142	.0037	.0053	.0423	84.54	.0054
SD	.0103	.0023	.0021	.0012	.0146	.16	.0053
%RSD	36.29	16.08	57.28	23.64	34.55	.1863	98.53
#1	.0357	.0158	.0052	.0061	.0527	84.43	.0091
#2	.0211	.0126	.0022	.0044	.0320	84.65	.0016
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2062	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066	.0105	.0343	.0118	.0409	.0429	.5145
SD	.0024	.0020	.0039	.0013	.0123	.0158	.0213
%RSD	35.63	19.34	11.35	10.75	30.10	36.76	4.138

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Analysis Report

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#1	.0083	.0120	.0371	-.0109	.0496	.0540	.5296
#2	.0049	.0091	.0316	-.0127	.0322	.0317	.4995

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem K_7664
 Units ppm
 Avge .5574
 SDev .0033
 %RSD .5962

#1	.5598
#2	.5551

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavelength	371.030	--	--	--	--	--	--
A	53887	--	--	--	--	--	--
SDev	205.3427	--	--	--	--	--	--
%RSD	.3810602	--	--	--	--	--	--

#1	53742	--	--	--	--	--	--
#2	54032	--	--	--	--	--	--

Method: LCAP4H1 Sample Name: LCV3 AG1

Operator: SD

Run Time: 11/15/00 13:36:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4822	.0814	.0042	.0086	.0001	.0001	.0798
SDev	.0005	.0425	.0000	.0005	.0001	.0001	.0446
%RSD	.1041	52.21	.1183	7.652	51.61	66.85	55.94

#1	.4819	.1114	.0042	.0070	.0002	.0001	.1114
#2	.4826	.0513	.0041	.0063	.0001	.0001	.0482

Errors LC Pass NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High .5250
 Low .4750

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0004	.0006	-.0008	.0988	.0832	.0002
SDev	.0000	.0001	.0000	.0001	.0482	.0431	.0001
%RSD	.0243	38.76	3.544	7.352	48.80	51.81	72.06

#1	.0002	.0005	.0006	-.0008	.1329	.1137	.0003
#2	.0002	.0003	.0007	-.0007	.0647	.0527	.0001

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Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0067	.0001	.0008	.0029	.0067	.1834	-.0001
SDev	.0004	.0000	.0001	.0006	.0028	.0895	.0011
%HSD	6.530	48.29	7.832	21.50	41.19	48.79	968.2

#1	.0071	.0000	.0009	.0025	.0087	.2467	-.0009
#2	.0084	.0001	.0008	.0033	.0048	.1202	.0007

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0015	.0018	.0001	.0075	.0061	.3924
SDev	.0000	.0001	.0017	.0007	.0008	.0038	.0823
%HSD	3.506	8.432	94.61	847.0	10.16	62.10	20.97

#1	.0005	.0016	.0029	-.0004	.0080	.0088	.3342
#2	.0004	.0014	.0006	.0006	.0070	.0034	.4505

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem	K_7664
Units	ppm
Avge	.6179
SDev	.0265
%HSD	4.286

#1	.6367
#2	.5992

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
A	55229	--	--	--	--	--	--
S	75.30687	--	--	--	--	--	--
%HSD	.1363547	--	--	--	--	--	--

#1	55175	--	--	--	--	--	-- 00434
#2	55282	--	--	--	--	--	--

Method: ICP4HI Sample Name: ICSA1

Operator: SD

Run Time: 11/15/00 13:41:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	486.7	.0025	-.0452	-.0040	-.0007	445.6
SDev	.0005	.5	.0038	.0003	.0000	.0000	.1
%RSD	48.70	.1120	152.5	.6284	.7309	.1615	.0233
#1	.0014	486.3	-.0002	-.0454	-.0040	-.0007	445.6
#2	.0007	487.1	.0052	-.0450	-.0041	-.0007	445.7
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		600.0					600.0
Low		400.0					400.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0030	.0003	.0023	-.0031	187.2	511.6	.0091
SDev	.0001	.0001	.0004	.0000	.2	.6	.0001
%RSD	3.066	22.01	18.43	.4804	.0919	.1265	.5672
#1	-.0031	.0004	.0020	-.0031	187.1	511.2	.0092
#2	-.0029	.0003	.0026	-.0031	187.3	512.1	.0091
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					240.0	600.0	
Low					160.0	400.0	

Elem	Mo2020	Ni2316	Pb2203	Sb2088	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027	.0011	-.0082	.0025	.0141	.0391	.0061
SDev	.0001	.0011	.0009	.0041	.0023	.0047	.0036
%RSD	4.413	94.25	10.97	160.4	16.58	12.14	58.07
#1	.0028	.0004	-.0076	-.0003	.0157	.0424	.0087
#2	.0027	.0019	-.0088	.0054	.0124	.0357	.0036
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025	.0063	.3048	-.1650	.0363	.0026	.0525
SDev	.0003	.0002	.0014	.0007	.0013	.0041	.1069
%RSD	10.73	2.522	.4517	.4007	3.543	157.5	203.7
#1	.0023	.0064	.3058	-.1645	.0354	.0056	-.0231
#2	.0027	.0062	.3038	-.1655	.0372	-.0003	.1281
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avg	
SDev	
%RSD	
#1	
#2	
Errors	NOCHECK
High	
Low	

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Units ppm
 Avge -.8920
 SDev .0171
 %RSD 1.922

#1 -.9041
 #2 -.8799

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	49123	--	--	--	--	--	--
SDev	162.4937	--	--	--	--	--	--
%RSD	.3307901	--	--	--	--	--	--
#1	49008	--	--	--	--	--	--
#2	49238	--	--	--	--	--	--

Method: ICP4HL Sample Name: ICSAB1

Operator: SD

Run Time: 11/15/00 13:46:54

Concentration:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0515	484.0	.0503	.5223	.0470	.0496	442.6
SDev	.0003	.1	.0003	.0010	.0000	.0001	.1
%RSD	.4999	.0306	.4895	.1905	.0169	.1487	.0239

#1	.0517	484.1	.0502	.5230	.0470	.0495	442.7
#2	.0513	483.9	.0505	.5216	.0470	.0496	442.5

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	600.1	.0600	.6600	.0600	.0600	600.1
Low	.0400	400.0	.0400	.4400	.0400	.0400	400.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0438	.0469	.0508	.0498	186.1	508.3	.0575
SDev	.0000	.0002	.0006	.0006	.0	.4	.0000
%RSD	.0412	.4846	1.283	1.292	.0257	.0699	.0632

#1	.0438	.0468	.0504	.0503	186.1	508.0	.0574
#2	.0438	.0471	.0513	.0494	186.1	508.5	.0575

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	.0600	.0600	.0600	240.1	600.1	.0600
Low	.0400	.0400	.0400	.0400	160.0	400.0	.0400

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0475	.0462	.0402	.0529	.0587	.5840	.0531

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SDev	.0005	.0005	.0001	.0056	.0008	.0009	.0012
%RSD	1.023	1.132	.1256	10.58	1.306	.1557	2.270
#1	.0478	.0458	.0402	.0489	.0581	.5833	.0539
#2	.0472	.0466	.0401	.0568	.0592	.5846	.0522
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	.0600	.0600	.0600	.0600	.6480	.0600
Low	.0400	.0400	.0400	.0400	.0400	.4320	.0400

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0507	.0522	.3492	-.1147	.0781	.0488	11.93
SDev	.0006	.0004	.0008	.0003	.0018	.0020	.23
%RSD	1.102	.7004	.2328	.2897	2.266	4.174	1.896
#1	.0503	.0520	.3498	-.1149	.0793	.0473	11.77
#2	.0511	.0525	.3487	-.1144	.0768	.0502	12.09

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.0600	.0600					
Low	.0400	.0400					

Elem	K_7664
Units	ppm
Avge	7.863
SDev	.003
%RSD	.0351

#1	7.861
#2	7.864

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	49429	--	--	--	--	--	--
SDev	209.7980	--	--	--	--	--	--
%RSD	.4244453	--	--	--	--	--	--
#1	49280	--	--	--	--	--	--
#2	49577	--	--	--	--	--	--

Method: ICP4HI Sample Name: CCR1
 Run Time: 11/15/00 13:52:09
 Element:
 Mode: CONC Corr. Factor: 1

Operator: SD

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Elem	Ag3280	Al3082	As1890	H_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	H.8949	.0010	.0048	-.0001	-.0001	H.9264
SDev	.0007	.4935	.0008	.0004	.0001	.0000	.5168

%RSD	128.0	55.15	88.02	8.341	92.65	39.88	55.78
#1	-.0010	H1.244	.0004	.0045	-.0001	-.0001	H1.292
#2	-.0001	H.5459	.0016	.0050	-.0000	-.0001	H.5609
Errors High	LC Pass .0030	LC High .1000	LC Pass .0040	LC Pass .1000	LC Pass .0050	LC Pass .0010	LC High .5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem Units	Cd2265 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2714 ppm	Mg2790 ppm	Mn2576 ppm
Avg	-.0002	-.0004	-.0007	-.0010	H.3905	H.9056	-.0003
SDev	.0002	.0005	.0000	.0004	.2072	.5001	.0000
%RSD	115.2	114.1	5.502	44.77	53.06	55.22	6.714
#1	-.0003	-.0007	-.0006	-.0013	H.5370	H1.259	-.0003
#2	-.0000	-.0001	-.0007	-.0007	H.2440	H.5520	-.0003
Errors High	LC Pass .0010	LC Pass .0020	LC Pass .0050	LC Pass .0050	LC High .0500	LC High .5000	LC Pass .0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem Units	Mo2020 ppm	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2881 ppm	Tl1908 ppm
Avg	.0017	-.0014	.0009	-.0022	.0043	.0870	-.0003
SDev	.0003	.0002	.0004	.0005	.0016	.0025	.0018
%RSD	15.04	13.24	46.03	23.98	37.60	2.918	567.4
#1	.0019	-.0016	.0006	-.0018	.0055	.0852	.0008
#2	.0015	-.0013	.0012	-.0026	.0032	.0888	-.0014
Errors High	LC Pass .0050	LC Pass .0050	LC Pass .0030	LC Pass .0100	LC Pass .0100	LC Pass 1.000	LC Pass .0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem Units	V_2924 ppm	Zn2062 ppm	2203/1 ppm	2203/2 ppm	1960/1 ppm	1960/2 ppm	Na3302 ppm
Avg	-.0004	-.0004	-.0001	.0011	.0055	.0034	.2147
SDev	.0000	.0000	.0014	.0013	.0005	.0022	.0172
%RSD	1.838	1.470	1468.	115.7	8.554	63.85	7.997
#1	-.0004	-.0004	.0009	.0002	.0058	.0050	.2025
#2	-.0004	-.0004	-.0010	.0020	.0051	.0019	.2268
Errors High	LC Pass .0020	LC Pass .0200	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass .5000
Low	-.0020	-.0200					-.5000
Elem Units	K_7664 ppm						
Avg	H.5490						
SDev	.0242						
%RSD	4.414						
#1	H.5319						
#2	H.5662						

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Errors LC High
High .5000
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53064	--	--	--	--	--	--
SDev	358.5031	--	--	--	--	--	--
%RSD	.6756014	--	--	--	--	--	--
#1	53318	--	--	--	--	--	--
#2	52811	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: CCB1
Run Time: 11/15/00 13:57:25
Comment:
Mode: CONC Corr. Factor: 1

Operator: SU

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0637	.0039	.0024	-.0001	-.0002	.0601
SDev	.0005	.0193	.0021	.0002	.0001	.0000	.0240
%RSD	336.9	30.36	55.32	6.634	50.78	6.598	39.91
#1	-.0002	.0773	.0024	.0025	-.0002	-.0002	.0770
#2	.0005	.0500	H.0054	.0023	-.0001	-.0002	.0431

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
High .0030 .1000 .0040 .1000 .0050 .0010 .5000 .5000
Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000 -.5000

Elem	Cd2285	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0000	-.0002	-.0005	.0274	.0607	-.0004
SDev	.0001	.0002	.0004	.0005	.0033	.0218	.0000
%RSD	44.71	551.3	235.4	100.6	12.09	35.91	10.61
#1	-.0003	-.0001	-.0004	-.0009	.0298	.0762	-.0004
#2	-.0002	.0002	.0001	-.0001	.0251	.0453	-.0003

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
High .0010 .0020 .0050 .0050 .0500 .5000 .0050 .0050
Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050 -.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	-.0003	-.0003	-.0009	-.0003	.0420	.0017
SDev	.0004	.0003	.0002	.0050	.0027	.0021	.0027
%RSD	42.20	96.16	54.36	528.6	807.1	5.031	161.6
#1	.0011	-.0001	-.0002	-.0045	-.0023	.0405	.0036
#2	.0006	-.0005	-.0004	.0026	.0016	.0435	-.0002

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
High .0050 .0050 .0030 .0100 .0100 1.000 .0100 .0100

40:39

Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0003	.0006	-.0010	.0013	-.0014	.4052
SDev	.0004	.0002	.0002	.0002	.0022	.0030	.0753
%RSD	260.0	57.48	32.77	15.68	173.0	209.3	18.58

#1	-.0004	-.0005	.0007	-.0009	-.0003	-.0036	.3519
#2	.0001	-.0002	.0004	-.0012	.0029	.0007	.4584

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	H.5598
SDev	.0472
%RSD	8.434

#1	H.5265
#2	H.5932

Errors	LC High
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52501	--	--	--	--	--	--
SDev	58.97160	--	--	--	--	--	--
%RSD	.1123249	--	--	--	--	--	--
#1	52459	--	--	--	--	--	--
#2	52543	--	--	--	--	--	--

Method: ICP4HI Sample Name: A110104-1-SU 929GCP1 Operator: SD
 Run Time: 11/15/00 14:02:40
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0125	.0009	-.0006	-.0002	-.0002	.0375
SDev	.0001	.0098	.0025	.0001	.0000	.0000	.0104
%RSD	20.80	78.57	263.7	13.72	.3847	8.750	27.75

#1	-.0003	.0194	.0027	-.0005	-.0002	-.0002	.0449
#2	-.0004	.0055	-.0008	-.0006	-.0002	-.0002	.0301

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

00440

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0002	-.0007	-.0004	.0020	.0203	-.0003
SDev	.0001	.0001	.0000	.0000	.0027	.0099	.0000
%RSD	58.10	72.58	1.597	10.78	137.3	48.62	12.96

#1	-.0001	-.0001	-.0007	-.0004	.0039	.0273	-.0003
#2	-.0002	-.0003	-.0007	-.0004	.0001	.0133	-.0002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	-.0012	.0006	-.0004	-.0003	.0824	-.0004
SDev	.0002	.0001	.0001	.0050	.0007	.0011	.0036
%RSD	22.85	8.789	10.68	1342.	242.2	1.331	904.7

#1	-.0008	-.0011	.0006	.0032	-.0008	.0831	.0021
#2	-.0011	-.0013	.0007	-.0039	.0002	.0816	-.0029

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0074	-.0002	.0008	.0010	-.0012	.2733
SDev	.0001	.0001	.0020	.0009	.0032	.0027	.0483
%RSD	26.00	1.674	936.4	106.0	306.1	218.1	17.67

#1	-.0004	.0073	-.0016	.0015	.0033	-.0032	.2392
#2	-.0003	.0075	.0012	.0002	-.0012	.0007	.3074

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	.6605
SDev	.0117
%RSD	1.773

#1	.6688
#2	.6522

Errors	LC Pass
High	50.00
Low	-.5000

00441

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

AVge	57193	--	--	--	--	--	--
SDev	278.3183	--	--	--	--	--	--
%RSD	.4866335	--	--	--	--	--	--
#1	56996	--	--	--	--	--	--
#2	57389	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110104-1-L1 200.2 Operator: SD
 Run Time: 11/15/00 14:07:53
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0384	2.006	.0928	.9606	.0963	.0096	18.35
SDev	.0004	.010	.0013	.0006	.0001	.0001	.05
%RSD	1.052	.5018	1.387	.0590	.1069	.5749	.2526
#1	.0381	1.998	.0919	.9602	.0962	.0096	18.31
#2	.0387	2.013	.0937	.9610	.0963	.0097	18.38

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0094	.0949	.0383	.0376	.9190	18.58	.0390
SDev	.0001	.0003	.0001	.0002	.0131	.07	.0001
%RSD	.9479	.3454	.2994	.4337	1.424	.3774	.2778
#1	.0095	.0947	.0383	.0375	.9098	18.53	.0390
#2	.0094	.0951	.0384	.0377	.9283	18.63	.0391

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0739	.0936	.0956	.0975	.0813	.3160	.0884
SDev	.0072	.0008	.0009	.0000	.0073	.0011	.0005
%RSD	9.769	.8387	.9391	.0436	8.960	.3594	.5861
#1	.0688	.0930	.0950	.0975	.0762	.3168	.0887
#2	.0790	.0942	.0962	.0975	.0865	.3152	.0880

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0385	.1038	.0952	.0956	.0822	.0807	20.26
SDev	.0003	.0002	.0015	.0021	.0066	.0076	.11
%RSD	.8318	.1574	1.569	2.171	8.073	9.435	.5383

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#1	.0383	.1037	.0962	.0941	.0775	.0753	20.19
#2	.0387	.1039	.0941	.0970	.0869	.0861	20.34
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge 19.85
 SDev .00
 %RSD .0046

#1	19.85
#2	19.85

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavelength	371.030	---	---	---	---	---	---
A	55626	---	---	---	---	---	---
SDev	23.75713	---	---	---	---	---	---
%RSD	.0427085	---	---	---	---	---	---

#1	55610	---	---	---	---	---	---
#2	55643	---	---	---	---	---	---

Method: ICA4H1 Sample Name: A110104-1-L2 Operator: SD
 Run Time: 11/15/00 14:13:06
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0386	2.080	.0973	.9683	.0972	.0097	18.52
SDev	.0008	.005	.0012	.0011	.0001	.0000	.01
%RSD	2.075	.2542	1.218	.1102	.0908	.1843	.0750

#1	.0380	2.077	.0981	.9676	.0971	.0097	18.51
#2	.0391	2.084	.0965	.9691	.0972	.0097	18.53

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0094	.0960	.0392	.0386	.9265	18.76	.0395
SDev	.0001	.0006	.0000	.0010	.0131	.02	.0000
%RSD	.5978	.5942	.0570	2.601	1.412	.0884	.0417

#1	.0094	.0956	.0392	.0379	.9173	18.75	.0395
#2	.0095	.0964	.0393	.0393	.9358	18.78	.0395

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0832	.0946	.0945	.0929	.0868	.3169	.0887
SDev	.0037	.0003	.0004	.0030	.0057	.0044	.0022
%RSD	4.466	.3271	.3828	3.231	6.605	1.377	2.461

#1	.0806	.0944	.0948	.0908	.0827	.3138	.0902
#2	.0858	.0948	.0943	.0950	.0908	.3200	.0871

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0394	.1046	.0978	.0927	.0900	.0849	20.53
SDev	.0000	.0006	.0025	.0007	.0034	.0069	.03
%RSD	.0120	.5628	2.559	.7845	3.788	8.114	.1472

#1	.0394	.1042	.0995	.0921	.0876	.0801	20.51
#2	.0395	.1051	.0960	.0932	.0924	.0898	20.55

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	20.02
SDev	.04
%RSD	.1877

#1	19.99
#2	20.05

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
AVG	55634	---	---	---	---	---	---
SDev	47.93963	---	---	---	---	---	---
%RSD	.0861690	---	---	---	---	---	---

#1	55668	---	---	---	---	---	---
#2	55601	---	---	---	---	---	---

ID: ICAP4H1 Sample Name: A110104-1

Operator: SD

Run Time: 11/15/00 14:18:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0764	.0033	.0277	.0088	-.0002	4.917
SDev	.0004	.0010	.0012	.0009	.0000	.0000	.011
%RSD	118.4	1.322	36.49	3.243	.0712	21.74	.2256
#1	.0001	.0757	.0024	.0283	.0088	-.0002	4.924
#2	.0006	.0772	.0041	.0271	.0088	-.0001	4.909
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0003	.0011	.0137	.1105	1.191	.0024
SDev	.0001	.0001	.0001	.0002	.0024	.013	.0000
%RSD	64.78	22.03	10.26	1.430	2.213	1.126	1.500
#1	.0001	.0003	.0010	.0135	.1088	1.201	.0024
#2	.0003	.0004	.0011	.0138	.1123	1.182	.0024
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0068	.0001	.0043	.0010	.0066	8.448	-.0004
SDev	.0019	.0008	.0003	.0016	.0028	.017	.0010
%RSD	28.17	593.3	6.491	156.0	41.53	.2035	273.2
#1	.0081	.0007	.0041	.0021	.0086	8.436	-.0011
#2	.0054	-.0004	.0045	-.0001	.0047	8.460	.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0279	.0023	.0050	.0048	.0073	11.59
SDev	.0003	.0001	.0015	.0012	.0031	.0026	.06
%RSD	50.63	.3581	67.53	23.99	63.48	35.77	.5240
#1	.0007	.0279	.0034	.0041	.0070	.0091	11.63
#2	.0003	.0278	.0012	.0058	.0027	.0054	11.55
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K 7664

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Units ppm
Avge 1.735
SDev .017
%RSD .9676

#1 1.724
#2 1.747

Errors LC Pass
High 50.00
Low -.5000

Table with 8 columns (IntStd 1-7) and 10 rows (Mode, Elem, Wavlen, Avge, SDev, %RSD, #1, #2). Most values are 'NOTUSED'.

Method: ICAP4HI Sample Name: A110104-1-S1 Operator: SD
Run Time: 11/15/00 14:23:34
Comment:
Mode: CONC Corr. Factor: 1

Table with 8 columns (Elem, Units, Avge, SDev, %RSD) and 8 rows (Ag3280, Al3082, As1890, B_2496, Ba4934, Be3130, Ca3179, #1, #2).

Table with 8 columns (Errors, High, Low) and 8 rows (LC Pass, 1.000, -.0030, LC Pass, 100.0, -.1000, LC Pass, 5.000, LC Pass, 5.000, -.1000, LC Pass, 5.000, LC Pass, 5.000, LC Pass, 100.0, LC Pass, -.5000).

Table with 8 columns (Elem, Units, Avge, SDev, %RSD) and 8 rows (Cd2265, Co2286, Cr2677, Cu3247, Fe2714, Mg2790, Mn2576, #1, #2).

Table with 8 columns (Errors, High, Low) and 8 rows (LC Pass, 5.000, -.0010, LC Pass, 5.000, -.0020, LC Pass, 5.000, LC Pass, 5.000, -.0050, LC Pass, 100.0, LC Pass, 100.0, LC Pass, -.5000, LC Pass, 5.000, LC Pass, -.0050).

Table with 8 columns (Elem, Units, Avge) and 8 rows (Mo2020, Ni2316, Pb2203, Sb2068, Se1960, Si2881, Ti1908, #1, #2).

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SDev	.0043	.0006	.0014	.0015	.0089	.013	.0032
%RSD	5.149	.5765	1.430	1.557	10.56	.1462	3.578
#1	.0804	.0959	.0999	.0979	.0777	9.053	.0923
#2	.0865	.0951	.0979	.1000	.0903	9.071	.0877
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0402	.1644	.0953	.0973	.0888	.0813	32.41
SDev	.0001	.0004	.0001	.0022	.0081	.0092	.07
%RSD	.1904	.2400	.1134	2.221	9.116	11.37	.2283
#1	.0403	.1646	.1016	.0988	.0831	.0748	32.35
#2	.0402	.1641	.1018	.0957	.0946	.0879	32.46

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	21.84
SDev	.01
%RSD	.0246
#1	21.84
#2	21.83

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	54825	--	--	--	--	--	--
SDev	32.24241	--	--	--	--	--	--
%RSD	.0588094	--	--	--	--	--	--
#1	54848	--	--	--	--	--	--
#2	54803	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110104-1-S2 Operator: SD
 Run Time: 11/15/00 14:28:48
 Mode: CONC Corr. Factor: 1

00447

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0383	2.207	.0963	.9843	.1055	.0098	23.36
SDev	.0003	.004	.0011	.0002	.0002	.0000	.01

%RSD	.7907	.1951	1.173	.0193	.1473	.1798	.0372
#1	.0385	2.204	.0955	.9844	.1054	.0098	23.35
#2	.0381	2.210	.0971	.9842	.1057	.0098	23.36
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0098	.0956	.0399	.0514	1.031	20.00	.0419
SDev	.0001	.0002	.0002	.0004	.006	.00	.0000
%RSD	1.124	.1697	.4508	.8222	.6246	.0246	.0520
#1	.0099	.0955	.0401	.0517	1.026	19.99	.0419
#2	.0098	.0957	.0398	.0511	1.035	20.00	.0420
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0874	.0944	.1002	.0991	.0886	9.133	.0896
SDev	.0037	.0007	.0004	.0025	.0057	.007	.0004
%RSD	4.267	.7582	.4096	2.557	6.416	.0787	.4601
#1	.0847	.0949	.1005	.1009	.0846	9.128	.0899
#2	.0900	.0939	.0999	.0973	.0926	9.139	.0893
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0395	.1270	.1014	.0993	.0904	.0875	32.28
SDev	.0002	.0005	.0006	.0003	.0038	.0066	.00
%RSD	.4608	.3792	.6251	.2998	4.207	7.574	.0003
#1	.0397	.1273	.1019	.0995	.0877	.0828	32.28
#2	.0394	.1266	.1010	.0991	.0931	.0922	32.28
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	21.75						
SDev	.05						
%RSD	.2088						
#1	21.72						
#2	21.78						

Errors LC Pass
High 50.00
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
AVge	54540	---	---	---	---	---	---
SDev	159.9470	---	---	---	---	---	---
%RSD	.2932639	---	---	---	---	---	---
#1	54427	---	---	---	---	---	---
#2	54653	---	---	---	---	---	---

Method: ICA4HL Sample Name: A110076-1

Operator: SD

Run Time: 11/15/00 14:34:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0006	46.43	.0085	.0145	.0158	.0006	5.897
SDev	.0003	.00	.0014	.0011	.0001	.0000	.017
%RSD	48.14	.0024	16.65	7.928	.2945	.6396	.2919
#1	-.0008	46.43	.0075	.0153	.0158	.0006	5.909
#2	-.0004	46.43	.0095	.0136	.0157	.0006	5.885

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	L-.0035	.0507	H6.518	.1544	H139.8	5.348	4.809
SDev	.0000	.0003	.001	.0002	.1	.010	.007
%RSD	.3634	.5029	.0087	.1379	.0437	.1792	.1354
#1	L-.0034	.0505	H6.517	.1545	H139.8	5.355	4.804
#2	L-.0035	.0509	H6.518	.1542	H139.9	5.342	4.814

Errors	LC Low	LC Pass	LC High	LC Pass	LC High	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.1163	3.314	.0083	.0118	.0157	113.6	.0077
SDev	.0049	.003	.0002	.0006	.0015	.2	.0028
%RSD	4.175	.1034	2.704	4.950	9.413	.1675	35.98
#1	.1128	3.316	.0082	.0122	.0168	113.5	.0097
#2	.1197	3.311	.0085	.0114	.0147	113.7	.0058

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000

00449

Analysis Report

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Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0585	.4506	.0363	-.0058	.0279	.0095	2.185
SDev	.0002	.0088	.0007	.0007	.0020	.0012	.039
%RSD	.3816	1.960	1.904	12.00	7.199	12.84	1.787

#1	.0587	.4569	.0368	-.0063	.0293	.0103	2.213
#2	.0584	.4444	.0358	-.0053	.0264	.0086	2.158

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	1.985
SDev	.052
%RSD	2.621

#1	2.022
#2	1.948

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avg	87316	--	--	--	--	--	--
SDev	427.4460	--	--	--	--	--	--
%RSD	.4895406	--	--	--	--	--	--
#1	87618	--	--	--	--	--	--
#2	87014	--	--	--	--	--	--

Method: LCAP4H1 Sample Name: A110082-1
 Run Time: 11/15/00 14:39:17
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	46.11	.0045	.0151	.0148	.0006	5.867
SDev	.0002	.12	.0007	.0010	.0001	.0000	.011
%RSD	45.67	.2696	15.25	6.513	.8390	.3063	.1954
#1	-.0006	46.20	.0050	.0144	.0149	.0006	5.858
#2	-.0003	46.02	.0040	.0158	.0147	.0006	5.875

00450

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0035	.0711	H9.747	.1941	H150.9	5.263	H5.041
SDev	.0000	.0005	.005	.0004	.0	.005	.004
%RSD	.7556	.6632	.0551	.2321	.0007	.1027	.0885

#1	L-.0035	.0708	H9.743	.1944	H150.9	5.260	H5.044
#2	L-.0036	.0714	H9.751	.1937	H150.9	5.267	H5.037

Errors	LC Low	LC Pass	LC High	LC Pass	LC High	LC Pass	LC High
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1752	4.832	.0089	.0177	.0158	113.2	.0072
SDev	.0055	.001	.0009	.0031	.0015	.5	.0000
%RSD	3.156	.0290	9.944	17.41	9.547	.4128	.4660

#1	.1713	4.833	.0096	.0199	.0148	113.5	.0072
#2	.1791	4.831	.0083	.0155	.0169	112.9	.0072

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0710	.4102	.0357	-.0046	.0302	.0086	2.253
SDev	.0002	.0059	.0008	.0017	.0051	.0003	.180
%RSD	.2397	1.442	2.188	38.05	16.81	3.118	7.983

#1	.0709	.4143	.0351	-.0033	.0266	.0087	2.126
#2	.0711	.4060	.0362	-.0058	.0337	.0084	2.380

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	1.953
SDev	.019
%RSD	.9521

#1	1.940
#2	1.966

Errors	LC Pass
High	50.00
Low	-.5000

00451

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

AVge	85998	--	--	--	--	--	--
SDev	605.0017	--	--	--	--	--	--
%RSD	.7035042	--	--	--	--	--	--
#1	86426	--	--	--	--	--	--
#2	85570	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: CCB1 Operator: SD
 Run Time: 11/15/00 14:44:33
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0002	H.1360	.0021	.0011	-.0001	-.0002	.0151
SDev	.0003	.0746	.0017	.0004	.0001	.0000	.0092
%RSD	127.0	54.89	78.55	41.86	91.56	3.117	60.63
#1	-.0000	H.1887	.0033	.0014	-.0000	-.0002	.0216
#2	-.0004	.0832	.0010	.0007	-.0002	-.0002	.0086

Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0002	.0003	H.0293	.0000	H.5047	.0162	H.0161
SDev	.0001	.0004	.0155	.0006	.2573	.0107	.0082
%RSD	57.04	145.9	52.84	1222.	50.99	66.14	50.87
#1	-.0003	.0006	H.0402	.0005	H.6866	.0238	H.0219
#2	-.0001	-.0000	H.0183	-.0004	H.3227	.0086	H.0103

Errors	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass	LC High
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	H.0142	H.0138	.0006	-.0026	.0027	.4973	-.0026
SDev	.0043	.0079	.0004	.0041	.0019	.1999	.0032
%RSD	29.89	56.89	65.10	156.2	70.07	40.19	121.6
#1	H.0172	H.0194	.0008	.0003	.0014	.6386	-.0049
#2	H.0112	H.0083	.0003	-.0055	.0041	.3560	-.0004

Errors	LC High	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	Zn196071	Zn196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0002	.0012	-.0006	.0009	-.0000	.0038	.2163
SDev	.0001	.0007	.0021	.0015	.0037	.0010	.0052
%RSD	34.11	62.61	370.1	174.0	16570.	26.83	2.398

00452

#1	-.0003	.0017	-.0020	.0020	-.0026	.0031	.2200
#2	-.0002	.0007	.0009	-.0002	.0026	.0045	.2126
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge H.5916
 SDev .0000
 %RSD .0055

#1 H.5916
 #2 H.5916

Errors	LC High
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
W/en	371.030	--	--	--	--	--	--
A	53584	--	--	--	--	--	--
SDev	84.42744	--	--	--	--	--	--
%RSD	.1575603	--	--	--	--	--	--
#1	53525	--	--	--	--	--	--
#2	53644	--	--	--	--	--	--

Method: ICAP4HL Sample Name: BLK A000925GCP1 Operator: SD
 Run Time: 11/15/00 14:49:48
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Aq3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0132	.0010	.0002	-.0001	-.0002	.0289
SDev	.0004	.0138	.0024	.0008	.0001	.0000	.0011
%RSD	130.5	104.4	236.0	487.1	84.53	1.896	3.893

#1 -.0000 .0229 .0027 -.0004 -.0000 -.0002 .0297
 #2 -.0006 .0035 -.0007 .0007 -.0002 -.0002 .0281

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0002	.0035	.0000	.0523	.0089	.0016
SDev	.0001	.0005	.0037	.0006	.0459	.0025	.0013
%RSD	54.56	223.0	92.17	2707.	87.67	28.41	77.39

#1 -.0001 .0001 .0058 .0004 .0848 .0107 .0025
 #2 -.0003 -.0006 .0012 -.0004 .0199 .0071 .0007

00453

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	.0009	.0005	.0015	.0018	.1553	-.0024
SDev	.0011	.0019	.0007	.0015	.0021	.0544	.0000
%RSD	33.31	213.4	155.2	104.3	113.7	35.01	1.014

#1	.0040	.0023	-.0000	.0004	.0004	.1938	-.0025
#2	.0025	-.0005	.0010	.0025	.0033	.1169	-.0024

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0025	.0001	.0004	.0023	.0014	.2988
SDev	.0000	.0003	.0017	.0003	.0034	.0014	.0485
%RSD	4.659	10.14	1989.	63.08	149.5	104.3	16.22

#1	-.0004	.0026	-.0011	.0002	-.0001	.0004	.2645
#2	-.0003	.0023	.0013	.0006	.0046	.0024	.3330

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	.6232
SDev	.0113
%RSD	1.817

#1	.6312
#2	.6152

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
wavlen	371.030	---	---	---	---	---	---
A	55954	---	---	---	---	---	---
S	213.8280	---	---	---	---	---	---
%RSD	-.3821523	---	---	---	---	---	---
#1	55802	---	---	---	---	---	---
#2	56105	---	---	---	---	---	---

00454

el d: ICAP4H1 Sample Name: CCB1

Operator: SD

Run time: 11/15/00 14:55:04

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0010	-.0038	.0016	.0019	-.0003	-.0002	-.0019
SDev	.0003	.0026	.0033	.0011	.0001	.0000	.0003
%RSD	35.50	68.04	206.1	56.69	30.46	8.993	16.76

#1	-.0007	-.0020	.0040	.0011	-.0002	-.0002	-.0022
#2	-.0012	-.0057	-.0007	.0026	-.0003	-.0002	-.0017

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0004	-.0005	.0006	-.0008	.0022	-.0034	-.0000
SDev	.0001	.0004	.0007	.0002	.0108	.0037	.0001
%RSD	34.13	89.29	106.5	19.34	481.3	109.3	227.3

#1	-.0003	-.0002	.0002	-.0007	.0099	-.0008	.0000
#2	-.0005	-.0008	.0011	-.0010	-.0054	-.0061	-.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0023	-.0003	-.0003	.0011	.0039	.0636	-.0016
SDev	.0001	.0007	.0002	.0031	.0033	.0061	.0007
%RSD	6.075	242.8	67.83	268.3	85.15	9.542	40.11

#1	.0022	-.0008	-.0002	.0033	.0062	.0678	-.0012
#2	.0024	.0002	-.0005	-.0010	.0015	.0593	-.0021

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0002	-.0003	.0043	-.0029	.0086	.0012	H.5243
SDev	.0006	.0001	.0053	.0029	.0030	.0064	.2224
%RSD	249.7	21.50	122.9	101.8	34.50	517.9	42.42

#1	-.0002	-.0004	.0006	-.0008	.0065	.0058	.3670
#2	.0007	-.0003	.0080	-.0050	.0107	-.0033	H.6815

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem K 7664

00435

Units ppm
Avge H.6067
SDev .0010
%RSD .1693

#1 H.6075
#2 H.6060

Errors LC High
High .5000
Low -.5000

Table with 8 columns: IntStd, 1, 2, 3, 4, 5, 6, 7. Rows include Mode, Elem, Wavlen, Avge, SDev, %RSD, #1, #2.

Method: ICA4HI Sample Name: CCV4
Time: 11/15/00 15:00:20
Comment:
Mode: CONC Corr. Factor: 1

Operator: SD

Table with 8 columns: Elem, Units, Avge, SDev, %RSD. Rows include Ag3280, Al3082, As1890, B_2496, Ba4934, Be3130, Ca3179.

Table with 8 columns: #1, #2. Rows include Ag3280, Al3082, As1890, B_2496, Ba4934, Be3130, Ca3179.

Table with 8 columns: Errors, High, Low. Rows include Ag3280, Al3082, As1890, B_2496, Ba4934, Be3130, Ca3179.

Table with 8 columns: Elem, Units, Avge, SDev, %RSD. Rows include Cd2285, Co2286, Cr2677, Cu3247, Fe2714, Mg2790, Mn2576.

Table with 8 columns: #1, #2. Rows include Cd2285, Co2286, Cr2677, Cu3247, Fe2714, Mg2790, Mn2576.

Table with 8 columns: Errors, High, Low. Rows include Cd2285, Co2286, Cr2677, Cu3247, Fe2714, Mg2790, Mn2576.

Table with 8 columns: Elem, Units, Avge. Rows include Mo2020, Ni2316, Pd2203, Sb2068, Se1960, Si2881, Ti1908.

00456

SDev	.033	.010	.029	.009	.061	.0038	.014
%RSD	1.330	.4222	1.157	.3557	2.470	2.487	.5518
#1	2.445	2.429	2.449	2.455	2.418	.1408	2.465
#2	2.491	2.444	2.489	2.467	2.504	.1458	2.484

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.460	2.473	2.463	2.472	2.463	2.459	49.91
SDev	.006	.022	.014	.036	.035	.074	.19
%RSD	.2361	.8867	.5822	1.443	1.405	3.003	.3887

#1	2.455	2.458	2.453	2.447	2.438	2.407	49.77
#2	2.464	2.489	2.473	2.497	2.487	2.511	50.05

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avg	24.72
SDev	.03
%RSD	.1175

#1	24.70
#2	24.74

Errors	LC Pass
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avg	53756	---	---	---	---	---	---
SDev	202.7988	---	---	---	---	---	---
%RSD	.3772572	---	---	---	---	---	---
#1	53900	---	---	---	---	---	---
#2	53613	---	---	---	---	---	---

Method: ICA4HI Sample Name: CCV5
 Run Time: 11/15/00 15:05:34
 Mode: CONC Corr. Factor: 1

Operator: SU

00457

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	49.94	.0186	.0029	.0028	.0037	50.43
SDev	.0005	.05	.0077	.0020	.0023	.0023	.00

%RSD	84.17	.1023	41.38	70.47	82.43	60.63	.0076
#1	.0009	49.90	.0240	.0043	.0044	.0053	50.43
#2	.0002	49.98	.0131	.0014	.0012	.0021	50.44
Errors High	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
Low		52.50					52.50
		47.50					47.50
Elem Units	Cd2265 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2714 ppm	Mg2790 ppm	Mn2576 ppm
Avge	.0025	.0039	.0045	.0035	50.44	50.92	.0056
SDev	.0022	.0023	.0016	.0022	.03	.01	.0024
%RSD	84.85	60.33	36.22	62.67	.0545	.0226	41.81
#1	.0041	.0055	.0057	.0050	50.42	50.93	.0073
#2	.0010	.0022	.0033	.0019	50.46	50.91	.0040
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
Low					52.50	52.50	
					47.50	47.50	
Elem Units	Mo2020 ppm	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2881 ppm	Ti1908 ppm
Avge	.0299	.0044	.0038	.0030	.0436	86.42	.0027
SDev	.0113	.0017	.0032	.0042	.0123	.13	.0012
%RSD	37.75	39.01	83.75	141.1	28.12	.1485	44.52
#1	.0379	.0057	.0060	.0059	.0523	86.33	.0018
#2	.0219	.0032	.0015	.0000	.0350	86.51	.0035
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
Low						94.00	
						77.00	
Elem Units	V_2924 ppm	Zn2062 ppm	2203/1 ppm	2203/2 ppm	1960/1 ppm	1960/2 ppm	Na3302 ppm
Avge	.0056	.0074	.0366	-.0129	.0378	.0463	.3939
SDev	.0020	.0024	.0003	.0047	.0049	.0160	.0734
%RSD	34.79	32.29	.6816	36.15	12.93	34.45	18.64
#1	.0070	.0090	.0368	-.0096	.0412	.0576	.3420
#2	.0043	.0057	.0365	-.0162	.0343	.0350	.4458
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Low							
Elem Units	K_7664 ppm						
Avge	.5119						
SDev	.0340						
%RSD	6.644						
#1	.5359						
#2	.4878						

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52615	--	--	--	--	--	--
SDev	7.847228	--	--	--	--	--	--
%RSD	.0149145	--	--	--	--	--	--
#1	52620	--	--	--	--	--	--
#2	52609	--	--	--	--	--	--

Method: ICAP4HL Sample Name: CCB1

Operator: SU

Run Time: 11/15/00 15:10:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0774	H.0050	.0014	.0000	.0000	.0792
SDev	.0006	.0426	.0003	.0003	.0000	.0001	.0467
%RSD	81.83	55.01	6.052	25.06	173.9	217.6	58.98
#1	-.0011	H.1075	H.0052	.0016	.0000	.0001	.1122
#2	-.0003	.0473	H.0048	.0011	-.0000	-.0000	.0462

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0001	-.0003	-.0005	H.0914	.0806	-.0000
SDev	.0000	.0001	.0004	.0002	.0434	.0450	.0000
%RSD	170.8	127.9	126.2	34.64	47.44	55.85	468.4
#1	.0000	.0000	-.0000	-.0006	H.1221	.1124	.0000
#2	-.0001	.0001	-.0005	-.0004	H.0608	.0487	-.0000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.0061	-.0006	.0006	-.0005	.0086	.1990	-.0019
SDev	.0015	.0004	.0010	.0034	.0012	.0815	.0005
%RSD	25.43	69.08	157.4	639.0	13.65	40.96	26.37
#1	H.0072	-.0003	.0013	.0018	.0094	.2567	-.0016
#2	.0050	-.0009	-.0001	-.0029	.0077	.1414	-.0023

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100

00459

Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0000	-.0002	.0007	.0090	.0081	.1984
SDev	.0002	.0005	.0024	.0003	.0016	.0025	.0740
%RSD	127.5	45370.	1572.	38.36	17.35	31.37	37.30

#1	-.0000	.0003	.0015	.0009	.0079	.0099	.2507
#2	-.0003	-.0003	-.0018	.0005	.0101	.0063	.1461

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	H.5546
SDev	.0155
%RSD	2.787

#1	H.5655
#2	H.5436

Errors	LC High
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53662	--	--	--	--	--	--
SDev	7.637306	--	--	--	--	--	--
%RSD	.0142321	--	--	--	--	--	--

#1	53657	--	--	--	--	--	--
#2	53668	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110027-1 X5 K1 Operator: SD
 Run Time: 11/15/00 15:16:01
 Comment:
 Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0048	.0256	.0109	.6332	.4088	-.0008	206.7
SDev	.0013	.0137	.0034	.0007	.0001	.0001	.2
%RSD	26.41	53.39	31.66	.1053	.0176	7.194	.1171

#1	-.0057	.0353	.0084	.6327	.4087	-.0008	206.5
#2	-.0039	.0159	.0133	.6337	.4088	-.0009	206.90400

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	.0056	.0010	-.0004	8.385	285.4	2.401
SDev	.0007	.0007	.0001	.0006	.001	.5	.003

%RSD	45.31	12.59	13.29	165.5	.0094	.1896	.1352
#1	-.0011	.0061	.0011	-.0008	8.386	285.1	2.399
#2	-.0021	.0051	.0009	.0001	8.385	285.8	2.404

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0126	.0169	.0005	-.0127	.0263	24.79	-.0124
SDev	.0044	.0022	.0034	.0028	.0020	.04	.0131
%RSD	35.30	13.07	620.4	22.18	7.679	.1598	105.8

#1	.0157	.0184	.0030	-.0147	.0278	24.82	-.0216
#2	.0094	.0153	-.0019	-.0108	.0249	24.76	-.0031

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	.0055	.0155	-.0084	.0351	.0205	1008.
SDev	.0027	.0010	.0106	.0002	.0241	.0090	.
%RSD	83.65	18.30	68.47	2.461	68.67	43.94	.0267

#1	.0051	.0063	.0231	-.0086	.0521	.0141	1008.
#2	.0013	.0048	.0080	-.0083	.0180	.0269	1009.

Elem	K_7664
Units	ppm
Avge	44.67
SDev	.20
%RSD	.4385

#1	44.81
#2	44.53

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	51302	--	--	--	--	--	--
SDev	21.63857	--	--	--	--	--	--
%RSD	.0421787	--	--	--	--	--	--
#1	51317	--	--	--	--	--	--
#2	51287	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A11002/-1-S1 X5 Operator: SD

Run Time: 11/15/00 15:21:14

Comment:

Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0359	2.022	.1099	1.635	.5062	.0091	225.6
SDev	.0003	.011	.0099	.003	.0003	.0002	.5
%RSD	.7780	.5462	9.008	.2050	.0537	2.301	.2299

#1	.0357	2.014	.1029	1.632	.5060	.0090	225.2
#2	.0361	2.030	.1169	1.637	.5063	.0093	225.9

00461

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086	.1046	.0377	.0385	9.329	305.9	2.442
SDev	.0009	.0008	.0011	.0019	.018	1.1	.005
%RSD	10.05	.7560	3.037	4.846	.1941	.3558	.1983
#1	.0080	.1052	.0368	.0372	9.317	305.1	2.438
#2	.0092	.1041	.0385	.0398	9.342	306.6	2.445

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0947	.1119	.0980	.0938	.0982	25.00	.0734
SDev	.0067	.0025	.0081	.0096	.0053	.01	.0208
%RSD	7.028	2.235	8.230	10.20	5.406	.0496	28.34
#1	.0900	.1102	.0923	.1005	.1019	24.99	.0587
#2	.0995	.1137	.1037	.0870	.0944	25.01	.0881

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0397	.1076	.0948	.0982	.1095	.0911	1028.
SDev	.0016	.0000	.0060	.0091	.0216	.0028	.
%RSD	4.042	.0161	6.280	9.294	19.74	3.121	.0406
#1	.0386	.1076	.0906	.0917	.1247	.0891	1029.
#2	.0408	.1076	.0990	.1046	.0942	.0931	1028.

Elem	K_7664
Units	ppm
Avg	71.44
SDev	.05
%RSD	.0652
#1	71.47
#2	71.40

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avg	51707	---	---	---	---	---	---
SDev	15.69722	---	---	---	---	---	---
%RSD	.0303580	---	---	---	---	---	---
#1	51696	---	---	---	---	---	---
#2	51718	---	---	---	---	---	---

Method: ICAP4H1 Sample Name: A110027-1-S2 X5 Operator: SU
 Run Time: 11/15/00 15:26:28
 Comment:
 Mode: CONC Corr. Factor: 5

00462

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0383	2.028	.1145	1.632	5015	.0093	225.6

SDev	.0061	.032	.0053	.005	.0006	.0003	.4
%RSD	15.93	1.597	4.585	.2867	.1261	3.231	.1698
#1	.0427	2.051	.1182	1.636	.5019	.0095	225.8
#2	.0340	2.005	.1108	1.629	.5010	.0091	225.3

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0089	.1057	.0421	.0401	9.400	306.7	2.434
SDev	.0010	.0042	.0020	.0056	.073	.8	.003
%RSD	10.95	3.982	4.851	14.01	.7802	.2538	.1149
#1	.0095	.1087	.0436	.0441	9.452	307.3	2.436
#2	.0082	.1028	.0407	.0362	9.348	306.2	2.432

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0988	.1142	.1020	.1146	.1123	24.87	.1056
SDev	.0043	.0022	.0039	.0256	.0056	.06	.0194
%RSD	4.352	1.963	3.815	22.35	4.993	.2304	18.34
#1	.0958	.1158	.1047	.1327	.1083	24.91	.1193
#2	.1019	.1126	.0992	.0965	.1163	24.83	.0919

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0431	.1087	.1144	.0943	.1306	.0952	1028.
SDev	.0031	.0013	.0039	.0078	.0049	.0060	2.
%RSD	7.134	1.216	3.380	8.240	3.733	5.873	.1721
#1	.0453	.1096	.1116	.0998	.1272	.0974	1029.
#2	.0409	.1078	.1171	.0888	.1341	.1059	1026.

Elem	K_7664
Units	ppm
AVge	70.99
SDev	.19
%RSD	.2658
#1	71.12
#2	70.85

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
AVge	50682	--	--	--	--	--	--
SDev	62.36626	--	--	--	--	--	--
%	.1230548	--	--	--	--	--	--
#1	50726	--	--	--	--	--	--
#2	50638	--	--	--	--	--	--

00463

id: ICAP4H1 Sample Name: CCB1

Operator: SD

Run Time: 11/15/00 15:31:42

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0014	.0003	.0023	.0000	-.0002	.1060
SDev	.0002	.0034	.0002	.0009	.0000	.0000	.0432
%RSD	46.46	255.1	85.05	37.51	263.1	11.11	40.82

#1	-.0005	-.0038	.0001	.0029	.0000	-.0002	.1365
#2	-.0003	.0011	.0004	.0017	-.0000	-.0002	.0754

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0001	.0000	-.0006	.0046	.1451	.0009
SDev	.0001	.0004	.0005	.0006	.0064	.0549	.0004
%RSD	48.44	728.0	17690.	106.3	139.2	37.87	48.05

#1	-.0002	-.0004	.0004	-.0010	.0001	.1839	.0012
#2	-.0001	.0002	-.0004	-.0001	.0091	.1062	.0006

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	-.0005	.0006	-.0046	.0027	.0315	-.0034
SDev	.0001	.0001	.0003	.0011	.0010	.0065	.0041
%RSD	3.994	21.61	56.41	23.52	36.67	20.63	123.4

#1	.0016	-.0004	.0004	-.0054	.0034	.0361	-.0004
#2	.0015	-.0006	.0009	-.0038	.0020	.0269	-.0063

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0002	.0037	-.0012	.0050	.0012	H1.053
SDev	.0004	.0000	.0029	.0020	.0032	.0001	.391
%RSD	82.48	6.917	78.50	166.3	62.66	7.532	37.11

#1	.0008	.0002	.0058	-.0026	.0073	.0012	H1.330
#2	.0002	.0002	.0016	.0002	.0028	.0013	H.7769

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem K 7664

Units ppm
 Avge H.5625
 SDev .0396
 %RSD 7.043

#1 H.5905
 #2 H.5345

Errors LC High
 High .5000
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52821	--	--	--	--	--	--
SDev	429.7801	--	--	--	--	--	--
%RSD	.8136584	--	--	--	--	--	--
#1	53125	--	--	--	--	--	--
#2	52517	--	--	--	--	--	--

Method: ICP4HI Sample Name: BLK A000931GCP1 Operator: SD
 Time: 11/15/00 15:36:57
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0038	.0015	.0009	.0000	-.0002	.0260
SDev	.0000	.0027	.0017	.0001	.0000	.0000	.0040
%RSD	6.073	69.29	113.3	5.120	24.97	10.74	15.26
#1	.0005	.0057	.0027	.0009	.0001	-.0002	.0288
#2	.0005	.0020	.0003	.0009	.0000	-.0002	.0232

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0005	.0001	.0006	.0095	.0180	-.0001
SDev	.0001	.0001	.0002	.0003	.0019	.0058	.0000
%RSD	120.0	18.85	267.1	55.65	20.32	31.94	28.09
#1	-.0000	.0005	-.0001	.0008	.0081	.0221	-.0001
#2	-.0001	.0004	.0002	.0004	.0108	.0140	-.0002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1904
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0004	.0004	.0038	.0008	.0980	.0005

SDev	.0006	.0001	.0001	.0005	.0021	.0037	.0003
%RSD	270.2	15.26	30.10	12.78	249.1	3.722	61.93
#1	.0002	-.0004	.0005	.0035	-.0006	.1006	.0007
#2	-.0007	-.0005	.0003	.0042	.0023	.0954	.0003

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0074	.0011	-.0002	.0024	-.0002	.5995
SDev	.0002	.0001	.0001	.0003	.0026	.0018	.0596
%RSD	42.25	.8502	11.78	123.8	108.7	908.3	9.935

#1	.0003	.0075	.0010	-.0000	.0005	-.0015	.6416
#2	.0005	.0074	.0012	-.0004	.0042	.0011	.5574

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	.6275
SDev	.0426
%RSD	6.792

#1	.6576
#2	.5973

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	55685	--	--	--	--	--	--
SDev	288.4996	--	--	--	--	--	--
%RSD	.5180967	--	--	--	--	--	--
#1	55481	--	--	--	--	--	--
#2	55889	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100792-2 X2 NA1 Operator: SD

Run Time: 11/15/00 15:42:11

Concentration:

Mode: CONC Corr. Factor: 2

00466

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	1.182	.0049	1.267	.1891	-.0005	35.97
SDev	.0024	.008	.0041	.005	.0002	.0000	.02

Analysis Report

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%RSD	188.0	.6448	84.85	.3977	.0870	6.019	.0521
#1	.0004	1.188	.0078	1.263	.1890	-.0005	35.96
#2	-.0029	1.177	.0020	1.271	.1892	-.0005	35.99
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0004	.0015	.0063	.0082	2.368	12.80	.0325
SDev	.0004	.0018	.0001	.0017	.025	.01	.0001
%RSD	109.1	126.0	1.219	20.89	1.053	.0633	.4742
#1	-.0001	.0027	.0064	.0094	2.385	12.81	.0327
#2	-.0007	.0002	.0063	.0070	2.350	12.80	.0324
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0007	.0016	.0034	.0001	.0028	45.23	.0015
SDev	.0001	.0015	.0008	.0084	.0004	.10	.0054
%RSD	14.34	89.77	23.80	9927.	15.87	.2233	350.8
#1	-.0007	.0006	.0040	.0060	.0025	45.16	.0053
#2	-.0006	.0027	.0029	-.0058	.0031	45.30	-.0023
Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0123	.3005	.0043	.0025	.0037	.0018	97.28
SDev	.0005	.0003	.0049	.0037	.0076	.0032	.26
%RSD	4.166	.1053	114.8	149.8	206.6	179.3	.2635
#1	.0126	.3007	.0008	.0051	-.0017	.0040	97.10
#2	.0119	.3003	.0077	-.0001	.0091	-.0005	97.46
Elem	K_7664						
Units	ppm						
AVge	3.031						
SDev	.028						
%RSD	.9153						
#1	3.050						
#2	3.011						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
AVge	52994	--	--	--	--	--	--
SDev	364.4445	--	--	--	--	--	--
%RSD	.6877115	--	--	--	--	--	--
#	52736	--	--	--	--	--	--
#2	53252	--	--	--	--	--	--

Method: ICP4HL Sample Name: A100792-2-S1 X2

Operator: SD

Run Time: 11/15/00 15:47:26

00467

Comment:

CONC Corr. Factor: 2

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0387	3.258	.1035	2.280	.2874	.0099	54.88
SDev	.0032	.126	.0105	.085	.0108	.0004	2.21
%RSD	8.261	3.873	10.15	3.708	3.748	3.740	4.020
#1	.0364	3.169	.0961	2.221	.2797	.0096	53.32
#2	.0410	3.348	.1110	2.340	.2950	.0102	56.44

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0092	.1010	.0491	.0479	3.425	32.40	.0741
SDev	.0002	.0052	.0025	.0033	.158	1.30	.0030
%RSD	2.051	5.167	5.124	6.968	4.599	4.010	4.021
#1	.0091	.0973	.0473	.0456	3.314	31.48	.0720
#2	.0093	.1047	.0509	.0503	3.537	33.32	.0762

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0837	.0996	.1027	.0949	.0913	46.17	.0975
SDev	.0076	.0040	.0041	.0059	.0082	1.73	.0015
%RSD	9.126	4.009	3.962	6.240	9.017	3.745	1.496
#1	.0783	.0968	.0999	.0907	.0855	44.94	.0986
#2	.0891	.1025	.1056	.0990	.0972	47.39	.0965

Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0548	.3981	.1069	.1002	.1039	.0846	119.0
SDev	.0036	.0159	.0009	.0056	.0029	.0138	5.0
%RSD	6.541	3.998	.8788	5.625	2.745	16.29	4.180
#1	.0523	.3869	.1062	.0962	.1059	.0748	115.5
#2	.0574	.4094	.1075	.1041	.1019	.0943	122.5

Elem	K_7664
Units	ppm
AVge	25.72
SDev	1.10
%RSD	4.276
#1	24.94
#2	26.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Y	---	---	---	---	---	---	---
W	371.030	---	---	---	---	---	---
en	---	---	---	---	---	---	---
AVge	53103	---	---	---	---	---	---
SDev	119.8546	---	---	---	---	---	---
%RSD	.2257040	---	---	---	---	---	---
#1	53187	---	---	---	---	---	---
#2	53018	---	---	---	---	---	---

00468

Method: ICAP4HI Sample Name: A100792-2-S2 X2 Operator: SU

Run Time: 11/15/00 15:52:42

Comment:

Mode: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0377	3.207	.1019	2.267	.2848	.0098	54.61
SDev	.0006	.006	.0044	.004	.0000	.0000	.01
%RSD	1.484	.1736	4.357	.1574	.0036	.3169	.0174

#1	.0373	3.203	.1050	2.269	.2848	.0098	54.61
#2	.0381	3.211	.0987	2.264	.2848	.0098	54.62

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0091	.0998	.0483	.0475	3.366	32.23	.0734
SDev	.0002	.0007	.0002	.0006	.012	.00	.0001
%RSD	2.554	.7188	.4431	1.309	.3489	.0114	.0742

#1	.0090	.0993	.0481	.0470	3.357	32.23	.0733
#2	.0093	.1003	.0484	.0479	3.374	32.23	.0734

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0886	.0994	.1039	.0925	.0915	46.09	.0911
SDev	.0008	.0015	.0008	.0012	.0034	.00	.0052
%RSD	.8572	1.499	.7658	1.324	3.729	.0036	5.708

#1	.0881	.0984	.1045	.0934	.0890	46.09	.0948
#2	.0892	.1005	.1033	.0916	.0939	46.09	.0874

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0536	.3979	.1078	.1014	.0991	.0872	118.9
SDev	.0014	.0007	.0040	.0032	.0021	.0041	.5
%RSD	2.706	.1702	3.682	3.135	2.098	4.674	.4064

#1	.0525	.3974	.1050	.1037	.0976	.0843	118.5
#2	.0546	.3983	.1106	.0992	.1006	.0901	119.2

Elem	K_7664
Units	ppm
Avge	25.40
SDev	.02
%RSD	.0954

#1	25.38
#2	25.41

00469

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52441	--	--	--	--	--	--

SDev	172.6749	--	--	--	--	--	--
%RSD	.3292734	--	--	--	--	--	--
#1	52563	--	--	--	--	--	--
#2	52319	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A100792-5 X2 Operator: SD
 Run Time: 11/15/00 15:57:57
 Comment:
 Mode: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0014	.1689	.0044	1.408	.0106	-.0004	21.83
SDev	.0000	.0048	.0003	.005	.0003	.0000	.01
%RSD	.5676	2.847	5.647	.3646	2.842	8.800	.0274
#1	-.0014	.1723	.0045	1.404	.0108	-.0004	21.84
#2	-.0014	.1655	.0042	1.412	.0104	-.0004	21.83

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0008	.0010	.0021	.2118	11.51	.0030
SDev	.0001	.0005	.0006	.0005	.0016	.00	.0001
%RSD	22.15	66.51	56.26	22.20	.7509	.0053	3.957
#1	-.0004	-.0012	.0006	.0018	.2107	11.51	.0031
#2	-.0005	-.0004	.0014	.0024	.2129	11.51	.0029

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068	.0000	.0030	.0028	.0068	43.15	-.0087
SDev	.0015	.0015	.0004	.0073	.0058	.05	.0051
%RSD	21.80	4400.	15.14	260.6	85.64	.1052	59.25
#1	.0079	-.0010	.0026	.0079	.0109	43.12	-.0123
#2	.0058	.0011	.0033	-.0024	.0027	43.19	-.0050

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071	.0137	.0073	.0002	.0116	.0038	104.6
SDev	.0001	.0003	.0018	.0016	.0046	.0064	.4
%RSD	1.831	2.341	24.40	716.2	39.99	168.0	.3923
#1	.0070	.0139	.0086	-.0009	.0149	.0083	104.4
#2	.0072	.0135	.0061	.0013	.0083	-.0007	104.9

Elem	K_7664
Units	ppm
Avg	5.169
SDev	.042
%RSD	.8067

#1	5.199
#2	5.140

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
AVge	52673	--	--	--	--	--	--
SDev	73.82085	--	--	--	--	--	--
%RSD	.1401490	--	--	--	--	--	--
#1	52621	--	--	--	--	--	--
#2	52725	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100792-6 X2 Operator: SD
 Run Time: 11/15/00 16:03:13
 Comment:
 Mode: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0016	.2404	.0050	1.443	.0106	-.0005	22.13
SDev	.0005	.0010	.0031	.000	.0001	.0000	.01
%RSD	32.65	.4040	62.39	.0014	.4796	1.191	.0502

#1	-.0012	.2411	.0028	1.443	.0107	-.0005	22.14
#2	-.0020	.2397	.0072	1.443	.0106	-.0005	22.12

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0006	-.0009	.0014	.0020	.3237	11.73	.0044
SDev	.0001	.0001	.0011	.0005	.0139	.02	.0002
%RSD	18.05	13.16	76.68	26.69	4.294	.1347	4.850

#1	-.0007	-.0010	.0021	.0024	.3336	11.74	.0045
#2	-.0005	-.0008	.0006	.0016	.3139	11.72	.0042

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0025	.0005	.0032	-.0044	.0010	43.99	-.0074
SDev	.0012	.0021	.0012	.0103	.0009	.04	.0014
%RSD	47.33	442.1	39.18	236.6	90.54	.0868	19.41

#1	.0033	.0020	.0040	.0029	.0004	43.96	-.0084
#2	.0017	-.0010	.0023	-.0117	.0017	44.02	-.0064

Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0070	.0149	.0033	.0025	.0055	-.0018	106.9
SDev	.0014	.0006	.0063	.0013	.0071	.0050	.3
%RSD	20.47	3.714	187.2	50.85	127.8	281.8	.2640

#1	.0081	.0153	.0078	.0016	.0105	-.0053	107.1
#2	.0060	.0145	-.0011	.0034	.0005	.0017	106.7

Elem	K_7664
Units	ppm
AVge	5.374
SDev	.063
%RSD	1.170

00471

#1 5.418
#2 5.329

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52898	--	--	--	--	--	--
SDev	241.6178	--	--	--	--	--	--
%RSD	.4567596	--	--	--	--	--	--
#1	52727	--	--	--	--	--	--
#2	53069	--	--	--	--	--	--

Method: ICP4HI Sample Name: CCB1
Run Time: 11/15/00 16:08:27
Comment:
Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0003	.0008	.0032	-.0002	-.0002	.0194
SDev	.0007	.0027	.0018	.0011	.0002	.0000	.0118
%RSD	313.1	955.5	218.0	33.90	93.67	10.13	60.72
#1	.0003	.0016	.0020	.0040	-.0001	-.0002	.0277
#2	-.0007	-.0022	-.0004	.0024	-.0003	-.0002	.0110

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.0000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0000	.0001	-.0002	.0033	.0111	-.0002
SDev	.0001	.0006	.0011	.0001	.0165	.0097	.0001
%RSD	86.93	2222.	866.1	26.97	496.3	87.27	58.20
#1	-.0001	.0004	.0009	-.0003	.0150	.0179	-.0001
#2	-.0002	-.0004	-.0006	-.0002	-.0083	.0042	-.0003

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0008	.0009	-.0018	-.0013	.0778	.0022
SDev	.0003	.0006	.0001	.0059	.0019	.0296	.0019
%RSD	105.4	77.07	5.210	331.4	138.4	37.98	85.40

#1	-.0001	-.0004	.0010	.0024	-.0027	.0987	.0036	00472
#2	-.0005	-.0012	.0009	-.0059	-.0000	.0569	.0009	

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100

Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0002	-.0001	.0012	-.0018	-.0014	.3273
SDev	.0005	.0002	.0027	.0014	.0035	.0010	.2272
%RSD	150.3	132.4	2182.	121.2	201.3	71.42	69.41

#1	.0000	-.0000	-.0020	.0022	-.0043	-.0021	.4880
#2	-.0006	-.0003	.0018	.0002	.0007	-.0007	.1667

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	H.5013
SDev	.0189
%RSD	3.770

#1	H.5147
#2	.4880

Errors	LC High
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	51469	--	--	--	--	--	--
SDev	25.45585	--	--	--	--	--	--
%RSD	.0494584	--	--	--	--	--	--
#1	51451	--	--	--	--	--	--
#2	51487	--	--	--	--	--	--

Method: ICAP4HL Sample Name: CCV6 Operator: SD
 Run Time: 11/15/00 16:13:40
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4781	-.0141	2.465	2.425	2.423	2.482	-.0009
SDev	.0003	.0040	.014	.005	.004	.001	.0013
%RSD	.0707	28.62	.5683	.2086	.1786	.0553	133.5

#1	.4779	-.0113	2.455	2.421	2.420	2.481	-.0001
#2	.4784	-.0170	2.475	2.429	2.426	2.483	-.0018

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250		2.625	2.750	2.625	2.625	
Low	.4750		2.375	2.250	2.375	2.375	

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Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.479	2.481	2.485	2.439	.2036	-.0055	2.469
SDev	.001	.001	.002	.005	.0049	.0026	.002
%RSD	.0350	.0583	.0894	.2109	2.390	47.33	.0783
#1	2.478	2.480	2.483	2.435	.2071	-.0037	2.468
#2	2.479	2.482	2.486	2.443	.2002	-.0074	2.471

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.475	2.438	2.496	2.451	2.468	.1029	2.482
SDev	.027	.002	.000	.010	.041	.0059	.007
%RSD	1.108	.0937	.0073	.3946	1.671	5.717	.3024
#1	2.456	2.436	2.496	2.444	2.439	.1071	2.477
#2	2.495	2.440	2.496	2.458	2.497	.0988	2.487

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.462	2.510	2.479	2.504	2.461	2.471	50.36
SDev	.002	.000	.001	.000	.022	.051	.02
%RSD	.0964	.0145	.0455	.0116	.8794	2.065	.0315
#1	2.460	2.510	2.480	2.504	2.446	2.434	50.37
#2	2.464	2.509	2.478	2.504	2.477	2.507	50.35

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avge	24.83
SDev	.01
%RSD	.0423
#1	24.83
#2	24.84

Errors	LC Pass
High	26.25
Low	23.75

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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	52961	--	--	--	--	--	--
SDev	252.0145	--	--	--	--	--	--
%RSD	.4758510	--	--	--	--	--	--
#1	52783	--	--	--	--	--	--
#2	53139	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: CCV7 Operator: SD
 Run Time: 11/15/00 16:18:54
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0003	50.02	.0200	.0038	.0031	.0042	50.82
SDev	.0020	.06	.0062	.0043	.0027	.0025	.02
%RSD	664.8	.1221	31.06	113.4	87.15	59.13	.0373
#1	.0017	49.97	.0244	.0069	.0050	.0059	50.81
#2	-.0011	50.06	.0156	.0008	.0012	.0024	50.83
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0030	.0045	.0049	.0041	50.83	51.59	.0058
SDev	.0027	.0031	.0025	.0037	.02	.00	.0026
%RSD	86.97	70.19	50.87	90.63	.0390	.0075	44.14
#1	.0049	.0067	.0067	.0068	50.81	51.59	.0077
#2	.0012	.0023	.0031	.0015	50.84	51.58	.0040
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0300	.0046	.0043	.0049	.0424	86.61	.0002
SDev	.0118	.0032	.0027	.0067	.0164	.22	.0025
%RSD	39.19	70.45	61.98	135.9	38.60	.2492	1316.
#1	.0383	.0069	.0062	.0096	.0540	86.46	.0020
#2	.0217	.0023	.0024	.0002	.0308	86.77	-.0016
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0059	.0079	.0366	.0120	.0428	.0420	.2041
SDev	.0028	.0027	.0002	.0041	.0134	.0179	.1880
%RSD	47.64	34.69	.4256	34.17	31.28	42.53	92.07

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#1	.0079	.0099	.0365	-.0091	.0523	.0546	.3370
#2	.0039	.0060	.0367	-.0149	.0333	.0294	.0712

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem K_7664
 Units ppm
 Avge .4255
 SDev .0529
 %RSD 12.43

#1	.4629
#2	.3881

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
A	51887	--	--	--	--	--	--
SL	370.5930	--	--	--	--	--	--
%RSD	.7142275	--	--	--	--	--	--
#1	51625	--	--	--	--	--	--
#2	52149	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCB1

Operator: SD

Run Time: 11/15/00 16:24:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0872	H.0050	.0022	.0001	.0001	.0896
SDev	.0007	.0461	.0027	.0005	.0000	.0001	.0487
%RSD	162.0	52.89	54.55	22.16	62.19	128.7	54.35

#1	-.0009	H.1198	H.0069	.0026	.0001	.0001	.1240
#2	.0001	.0546	.0031	.0019	.0000	.0000	.0552

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0001	-.0001	-.0005	H.0972	.0908	-.0000
SDev	.0001	.0002	.0000	.0000	.0488	.0494	.0001
%RSD	47.93	232.2	34.82	10.11	50.21	54.40	212.1

#1	.0001	-.0001	-.0001	-.0005	H.1317	.1258	.0000
#2	.0002	.0003	-.0001	-.0004	H.0827	.0559	-.0001

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H.0068	-.0002	.0014	-.0017	.0060	.1929	.0004
SDev	.0008	.0004	.0001	.0041	.0050	.0843	.0024
%RSD	12.14	264.0	10.66	240.6	83.41	43.71	541.7

#1	H.0074	.0001	.0013	-.0046	.0096	.2525	-.0013
#2	H.0062	-.0004	.0015	.0012	.0025	.1332	.0022

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-.0002	.0021	.0007	.0080	.0048	.3204
SDev	.0001	.0001	.0002	.0001	.0032	.0060	.0627
%RSD	36.10	32.83	9.315	17.38	39.45	125.2	19.58

#1	.0003	-.0001	.0020	.0006	.0102	.0090	.2761
#2	.0002	-.0002	.0023	.0008	.0058	.0005	.3648

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	H.5143
SDev	.0144
%RSD	2.807

#1	H.5041
#2	H.5245

Errors	LC High
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
A	52043	--	--	--	--	--	--
S	78.48885	--	--	--	--	--	--
%RSD	.1508160	--	--	--	--	--	--
#1	51987	--	--	--	--	--	--
#2	52098	--	--	--	--	--	--

00477

Method: ICAP4HJ Sample Name: A100792-7 X2

Operator: SD

Run time: 11/15/00 16:29:22

Comment:

Mode: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	.2144	.0040	.9870	.1308	-.0003	49.82
SDev	.0001	.0140	.0031	.0005	.0001	.0000	.06
%RSD	8.718	6.510	78.82	.0472	.0943	6.107	.1113

#1	-.0015	.2242	.0018	.9873	.1308	-.0003	49.78
#2	-.0017	.2045	.0062	.9866	.1309	-.0003	49.86

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0005	.0006	.0002	.2710	21.48	.0040
SDev	.0004	.0006	.0005	.0008	.0233	.00	.0001
%RSD	77.09	106.7	82.63	318.7	8.597	.0156	2.252

#1	-.0009	.0009	.0009	.0008	.2875	21.48	.0040
#2	-.0003	.0001	.0002	-.0003	.2545	21.48	.0039

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0044	.0013	-.0004	-.0038	.0079	46.03	-.0054
SDev	.0020	.0001	.0018	.0103	.0010	.05	.0030
%RSD	45.15	6.281	472.0	272.4	12.39	.1166	55.46

#1	.0059	.0013	-.0017	-.0111	.0072	45.99	-.0033
#2	.0030	.0014	.0009	.0035	.0086	46.07	-.0075

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0062	.0165	.0037	-.0030	.0116	.0055	98.76
SDev	.0004	.0003	.0003	.0026	.0025	.0002	.32
%RSD	6.114	1.746	9.512	84.99	21.66	3.895	.3289

#1	.0064	.0163	.0035	-.0048	.0098	.0053	98.53
#2	.0059	.0167	.0040	-.0012	.0133	.0056	98.99

Elem	K_7664
Units	ppm
Avge	3.266
SDev	.055
%RSD	1.692

#1	3.306
#2	3.227

Std	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52874	--	--	--	--	--	--
SDev	155.9170	--	--	--	--	--	--
%RSD	.2948827	--	--	--	--	--	--

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#1	52764	--	--	--	--	--	--
#2	52985	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A100792-2 Operator: SD
 Run Time: 11/15/00 16:34:36
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	1.176	.0026	1.268	.1862	-.0002	35.35
SDev	.0002	.003	.0022	.001	.0002	.0000	.06
%RSD	20.44	.2773	83.61	.0842	.0991	1.938	.1657

#1	-.0007	1.179	.0042	1.267	.1863	-.0002	35.31
#2	-.0009	1.174	.0011	1.268	.1860	-.0002	35.40

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0014	.0078	.0086	2.328	12.63	.0326
SDev	.0002	.0002	.0002	.0002	.013	.03	.0000
%RSD	74.75	16.64	3.104	1.999	.5755	.2282	.0946

#1	-.0001	.0016	.0076	.0085	2.318	12.61	.0327
#2	-.0004	.0012	.0079	.0087	2.337	12.65	.0326

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0039	.0041	-.0055	.0026	45.14	-.0020
SDev	.0005	.0003	.0011	.0041	.0006	.00	.0003
%RSD	44.01	7.615	26.51	74.21	24.01	.0034	16.75

#1	.0016	.0037	.0049	-.0026	.0022	45.14	-.0018
#2	.0008	.0041	.0033	-.0084	.0030	45.14	-.0023

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0132	.2964	.0067	.0026	.0046	.0013	97.26
SDev	.0005	.0001	.0014	.0023	.0020	.0001	.31
%RSD	3.738	.0305	20.60	88.69	43.51	4.098	.3138

#1	.0129	.2963	.0057	.0042	.0032	.0014	97.04
#2	.0136	.2965	.0077	.0010	.0060	.0013	97.47

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Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem k_7664
 Units ppm
 Avge 2.837
 SDev .003
 %RSD .1093

#1 2.839
 #2 2.834

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53826	--	--	--	--	--	--
SDev	40.09517	--	--	--	--	--	--
%RSD	.0744901	--	--	--	--	--	--
#1	53855	--	--	--	--	--	--
#2	53798	--	--	--	--	--	--

Method: LCAP4HI Sample Name: A100792-2-S1 Operator: SD
 Run Time: 11/15/00 16:39:50
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0386	3.203	.1011	2.261	.2790	.0098	53.07
SDev	.0003	.004	.0011	.006	.0003	.0000	.00
%RSD	.9135	.1391	1.098	.2830	.1112	.1708	.0049

#1 .0388 3.206 .1003 2.257 .2788 .0098 53.07
 #2 .0383 3.200 .1018 2.266 .2792 .0098 53.07

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0094	.0983	.0475	.0469	3.318	31.69	.0722
SDev	.0001	.0005	.0000	.0003	.004	.03	.0001
%RSD	1.159	.4967	.0599	.5414	.1077	.1062	.0629

#1 .0095 .0986 .0476 .0471 3.315 31.72 .0722
 #2 .0093 .0980 .0475 .0467 3.320 31.67 .0722

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000

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Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	N12316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0794	.0982	.1003	.0967	.0856	45.54	.0911
SDev	.0053	.0013	.0007	.0010	.0072	.01	.0023
%RSD	6.645	1.343	.6680	.9995	8.402	.0137	2.570
#1	.0757	.0973	.1008	.0974	.0805	45.54	.0830
#2	.0831	.0991	.0998	.0960	.0906	45.55	.0928

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0530	.3888	.1026	.0989	.0910	.0826	H116.7
SDev	.0001	.0005	.0020	.0020	.0073	.0071	.2
%RSD	.1735	.1176	1.936	2.019	8.024	8.634	.2083
#1	.0529	.3891	.1012	.1003	.0858	.0776	H116.6
#2	.0531	.3885	.1040	.0975	.0961	.0877	H116.9

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	26.55
SDev	.02
%RSD	.0637
#1	26.54
#2	26.56

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	54299	--	--	--	--	--	--
SDev	294.4382	--	--	--	--	--	--
%RSD	.5422494	--	--	--	--	--	--
#1	54091	--	--	--	--	--	--
#2	54508	--	--	--	--	--	--

CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0379	3.159	.1023	2.278	.2779	.0098	53.24
SDev	.0013	.014	.0019	.003	.0004	.0000	.06
%RSD	3.297	.4335	1.907	.1147	.1551	.0461	.1126
#1	.0388	3.169	.1036	2.280	.2782	.0098	53.19
#2	.0370	3.149	.1009	2.276	.2776	.0098	53.28

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0093	.0978	.0472	.0464	3.281	31.70	.0721
SDev	.0003	.0004	.0002	.0011	.009	.04	.0000
%RSD	3.332	.3940	.3464	2.311	.2879	.1289	.0496
#1	.0095	.0981	.0471	.0471	3.275	31.67	.0721
#2	.0091	.0975	.0473	.0456	3.288	31.73	.0720

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0865	.0974	.0995	.0925	.0885	45.65	.0915
SDev	.0042	.0005	.0021	.0057	.0063	.05	.0034
%RSD	4.887	.5101	2.130	6.147	7.094	.1036	3.659
#1	.0835	.0978	.1010	.0965	.0841	45.68	.0891
#2	.0895	.0971	.0980	.0885	.0930	45.61	.0938

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	Zn196071	Zn196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0524	.3911	.1023	.0978	.0911	.0870	H117.1
SDev	.0000	.0002	.0025	.0044	.0081	.0054	.0
%RSD	.0488	.0421	2.403	4.507	8.894	6.170	.0265
#1	.0524	.3912	.1006	.1009	.0854	.0832	H117.0
#2	.0524	.3910	.1041	.0947	.0968	.0908	H117.1

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
AVge	26.39
SDev	.05

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%HSD .1748

#1 26.43
#2 26.36

Errors LC Pass
High 50.00
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	53257	--	--	--	--	--	--
SDev	12.51524	--	--	--	--	--	--
%HSD	.0234997	--	--	--	--	--	--
#1	53248	--	--	--	--	--	--
#2	53266	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100792-B
Run Time: 11/15/00 16:50:20
Comment:
Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0002	2.615	.0058	1.442	.0437	-.0002	15.07
SDev	.0002	.001	.0005	.001	.0003	.0000	.05
%HSD	91.66	.0571	8.421	.0774	.5612	17.79	.3541
#1	-.0003	2.616	.0062	1.443	.0439	-.0002	15.11
#2	-.0001	2.614	.0055	1.442	.0435	-.0002	15.03

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0003	.0032	.0125	.0097	3.489	8.709	.0324
SDev	.0000	.0001	.0004	.0000	.016	.039	.0001
%HSD	3.007	1.572	3.111	.1860	.4455	.4521	.2180
#1	-.0003	.0031	.0127	.0097	3.478	8.737	.0324
#2	-.0003	.0032	.0122	.0097	3.500	8.682	.0323

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0066	.0076	.0021	-.0010	.0075	56.53	-.0016
SDev	.0015	.0007	.0010	.0067	.0008	.05	.0008
%HSD	23.11	8.711	47.51	692.1	10.20	.0836	54.14

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#1	.0077	.0080	.0014	-.0057	.0081	56.56	-.0022
#2	.0055	.0071	.0028	.0038	.0070	56.49	-.0010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0181	.1798	.0041	.0008	.0080	.0070	72.95
SDev	.0003	.0001	.0027	.0028	.0008	.0008	.20
%RSD	1.710	.0638	66.17	338.3	10.09	10.66	.2751

#1	.0183	.1799	.0060	-.0012	.0086	.0076	73.09
#2	.0178	.1797	.0022	.0028	.0074	.0065	72.81
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	2.680
SDev	.059
%RSD	2.217

#1	2.722
#2	2.638

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53708	--	--	--	--	--	--
SDev	115.6120	--	--	--	--	--	--
%RSD	.2152592	--	--	--	--	--	--
#1	53627	--	--	--	--	--	--
#2	53790	--	--	--	--	--	--

Method: ICA4H1 Sample Name: A100792-8-S1 Operator: SD
 Run Time: 11/15/00 16:55:36
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0381	4.772	.1025	2.425	.1377	.0097	33.25
SDev	.0001	.008	.0049	.001	.0002	.0000	.02
%RSD	.3818	.1634	4.802	.0288	.1327	.1731	.0698
#1	.0382	4.767	.0991	2.425	.1376	.0097	33.23

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#2	.0380	4.778	.1060	2.424	.1378	.0097	33.26
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0092	.0984	.0514	.0481	4.666	27.73	.0727
SDev	.0001	.0000	.0001	.0002	.022	.03	.0000
%RSD	1.407	.0232	.2661	.3350	.4729	.1123	.0224
#1	.0093	.0984	.0513	.0482	4.651	27.71	.0727
#2	.0091	.0984	.0515	.0480	4.682	27.76	.0727
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0817	.1005	.0978	.0876	.0835	58.49	.0943
SDev	.0049	.0005	.0011	.0019	.0055	.05	.0003
%RSD	6.048	.4539	1.092	2.158	6.571	.0828	.2879
#1	.0782	.1001	.0985	.0889	.0796	58.46	.0945
#2	.0852	.1008	.0970	.0863	.0874	58.53	.0941
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0569	.2751	.0986	.0971	.0867	.0817	92.89
SDev	.0008	.0002	.0022	.0027	.0035	.0065	.28
%RSD	.9782	.0855	2.188	2.759	4.044	7.931	.3050
#1	.0565	.2750	.0971	.0990	.0842	.0771	92.68
#2	.0573	.2753	.1002	.0952	.0892	.0863	93.09
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
AVge	25.22						
SDev	.00						
%RSD	.0078						
#1	25.23						
#2	25.22						
Errors	LC Pass						
High	50.00						
Low	-.5000						

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
AVge	53912	--	--	--	--	--	--
SDev	165.0376	--	--	--	--	--	--
%RSD	.3061235	--	--	--	--	--	--
#1	53795	--	--	--	--	--	--
#2	54029	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100792-8-S2 Operator: SU
 Run Time: 11/15/00 17:00:51
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0374	4.824	.1027	2.437	.1382	.0098	33.49
SDev	.0011	.002	.0003	.000	.0000	.0000	.01
%RSD	2.959	.0512	.2757	.0132	.0234	.0026	.0416

#1	.0382	4.825	.1029	2.438	.1382	.0098	33.50
#2	.0366	4.822	.1025	2.437	.1382	.0098	33.48

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0093	.0993	.0526	.0482	4.698	27.97	.0731
SDev	.0001	.0002	.0002	.0006	.010	.03	.0001
%RSD	.9882	.1894	.3260	1.268	.2061	.0920	.0936

#1	.0094	.0994	.0527	.0486	4.692	27.99	.0732
#2	.0093	.0992	.0524	.0477	4.705	27.95	.0731

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0860	.1016	.0977	.0855	.0900	59.03	.0959
SDev	.0026	.0006	.0005	.0023	.0048	.01	.0020
%RSD	3.062	.5859	.4901	2.699	5.362	.0126	2.130

#1	.0842	.1012	.0974	.0872	.0866	59.02	.0973
#2	.0879	.1020	.0980	.0839	.0934	59.03	.0944

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V 2924	Zn2062	Zn20371	Zn20372	Zn196071	Zn196072	Na3302
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Analysis Report

11/15/00 05:06:00 PM

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0579	.2777	.1038	.0944	.0939	.0879	93.92
SDev	.0002	.0001	.0025	.0005	.0033	.0056	.13
%RSD	.3346	.0281	2.428	.5736	3.468	6.388	.1392
#1	.0580	.2778	.1020	.0948	.0916	.0839	94.01
#2	.0578	.2776	.1056	.0940	.0962	.0918	93.83

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664

Units	ppm
Avg	25.31
SDev	.00
%RSD	.0073

#1	25.31
#2	25.31

Errors	LC Pass
High	50.00
Low	-.5000

Instd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	53693	--	--	--	--	--	--
SDev	22.90915	--	--	--	--	--	--
%RSD	.0426666	--	--	--	--	--	--
#1	53677	--	--	--	--	--	--
#2	53710	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCB1
 Run Time: 11/15/00 17:06:07
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	.0027	.0020	.0080	-.0000	-.0002	.0659
SDev	.0005	.0082	.0025	.0029	.0002	.0000	.0355
%RSD	74.63	310.0	127.9	36.87	889.3	6.307	53.92
#1	-.0003	.0085	.0002	.0101	.0001	-.0002	.0910
#2	-.0010	-.0032	.0038	.0059	-.0002	-.0002	.0408

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0001	-.0009	-.0010	.0104	.0553	-.0002

00487

analysis Report

11/15/00 05:11:16 PM

SDev	.0001	.0002	.0003	.0009	.0065	.0315	.0001
%RSD	36.96	186.1	29.63	88.17	62.06	56.93	38.55
#1	-.0001	.0000	-.0007	-.0004	.0150	.0776	-.0001
#2	-.0003	-.0003	-.0011	-.0016	.0058	.0330	-.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.0057	-.0012	-.0000	.0015	.0073	.1325	.0010
SDev	.0007	.0001	.0000	.0010	.0032	.0669	.0047
%RSD	13.02	5.838	243.4	66.07	44.38	50.54	472.8
#1	H.0062	-.0011	-.0000	.0022	.0096	.1798	.0043
#2	H.0051	-.0012	.0000	.0008	.0050	.0851	-.0023

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0003	-.0026	.0010	.0026	.0094	.3273
SDev	.0003	.0003	.0021	.0010	.0049	.0024	.1843
%RSD	47.64	95.71	80.46	101.1	187.9	25.77	56.30
#1	-.0005	.0006	-.0042	.0018	.0061	.0111	.4577
#2	-.0010	.0001	-.0011	.0003	-.0009	.0077	.1970

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	H.5612
SDev	.0607
%RSD	10.81

#1	H.6041
#2	H.5183

Errors	LC High
High	.5000
Low	-.5000

Mode	1	2	3	4	5	6	7
Counts		NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avge	52916	--	--	--	--	--	--
SDev	231.8620	--	--	--	--	--	--
%RSD	.4381678	--	--	--	--	--	--

00488

#1 52752 -- -- -- -- --
 #2 53080 -- -- -- -- --

Method: ICP4HI Sample Name: A110167-1-S0 935ICP1 Operator: SD

Run Time: 11/15/00 17:11:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	H_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0028	.0029	.0026	-.0000	-.0002	.0462
SDev	.0010	.0056	.0012	.0002	.0001	.0000	.0016
%RSD	290.8	204.8	41.33	6.030	591.0	2.373	3.449

#1	-.0011	-.0012	.0021	.0025	-.0001	-.0002	.0473
#2	.0004	.0067	.0038	.0027	.0001	-.0002	.0451

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0001	-.0006	-.0001	-.0015	.0155	-.0002
SDev	.0000	.0006	.0003	.0010	.0078	.0032	.0001
%RSD	5.559	712.7	47.80	926.8	525.5	20.30	49.69

#1	-.0002	-.0003	-.0008	-.0008	-.0070	.0133	-.0003
#2	-.0002	.0005	-.0004	.0006	.0040	.0178	-.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	-.0010	.0011	.0011	.0018	.0744	-.0022
SDev	.0001	.0000	.0002	.0041	.0002	.0015	.0008
%RSD	13.78	4.769	16.24	373.0	11.58	2.043	38.17

#1	.0010	-.0010	.0012	-.0018	.0016	.0733	-.0028
#2	.0008	-.0010	.0009	.0040	.0019	.0755	-.0016

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0143	.0007	.0009	.0040	.0004	.2994
SDev	.0003	.0003	.0023	.0009	.0034	.0020	.1643
%RSD	64.69	1.795	317.7	94.95	83.11	525.3	54.89

#1	-.0008	.0141	.0023	.0003	.0064	-.0010	.1832
#2	-.0003	.0145	-.0009	.0016	.0017	.0018	.4156

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge .5589
 SDev .0349
 %RSD 6.238

#1 .5343
 #2 .5836

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	53303	--	--	--	--	--	--
SDev	25.45585	--	--	--	--	--	--
%RSD	.0477565	--	--	--	--	--	--
#1	53321	--	--	--	--	--	--
#2	53285	--	--	--	--	--	--

Method: ICAP4HL Sample Name: A110167-1-L1 200.2 Operator: SD
 Run Time: 11/15/00 17:16:35
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0402	2.073	.0958	.9635	.0987	.0101	19.40
SDev	.0015	.006	.0035	.0024	.0001	.0001	.06
%RSD	3.722	.2990	3.644	.2435	.1381	.4748	.3053

#1	.0392	2.069	.0933	.9618	.0986	.0101	19.36
#2	.0413	2.078	.0983	.9651	.0988	.0102	19.44

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0099	.1001	.0407	.0392	.9628	19.96	.0412
SDev	.0002	.0012	.0001	.0014	.0224	.08	.0002
%RSD	1.921	1.190	.2181	3.635	2.330	.4082	.5125

#1	.0098	.0992	.0406	.0382	.9469	19.91	.0410
#2	.0100	.1009	.0407	.0402	.9787	20.02	.0413

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000

00490

Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0784	.0985	.1006	.0980	.0849	.3152	.0954
SDev	.0060	.0004	.0021	.0000	.0091	.0126	.0017
%RSD	7.691	.4041	2.074	.0387	10.77	4.002	1.796
#1	.0742	.0982	.0992	.0980	.0785	.3063	.0941
#2	.0827	.0988	.1021	.0981	.0914	.3242	.0966
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0404	.1353	.1024	.0995	.0872	.0835	21.30
SDev	.0004	.0012	.0015	.0039	.0031	.0121	.12
%RSD	.9150	.9180	1.484	3.910	3.574	14.55	.5859
#1	.0401	.1344	.1035	.0967	.0850	.0749	21.21
#2	.0406	.1362	.1013	.1022	.0830	.0921	21.39
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	20.68						
SDev	.01						
%RSD	.0433						
#1	20.68						
#2	20.67						
Errors	LC Pass						
High	50.00						
Low	-.5000						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	52108	--	--	--	--	--	--
SDev	192.6175	--	--	--	--	--	--
%RSD	.3696471	--	--	--	--	--	--
#1	52245	--	--	--	--	--	--
#2	51972	--	--	--	--	--	--

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0035	.0040	.0047	.0000	-.0002	.0336
SDev	.0012	.0062	.0012	.0014	.0003	.0000	.0189
%RSD	441.5	174.9	29.78	30.33	5188.	15.25	56.28

#1	.0006	.0079	H.0048	.0058	.0002	-.0002	.0469
#2	-.0011	-.0008	.0032	.0037	-.0002	-.0002	.0202

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0001	-.0001	-.0002	.0050	.0372	-.0003
SDev	.0000	.0010	.0004	.0008	.0175	.0243	.0002
%RSD	14.70	703.8	284.2	393.8	351.8	65.30	56.20

#1	-.0002	.0005	.0001	.0004	.0174	.0544	-.0002
#2	-.0002	-.0008	-.0004	-.0008	-.0074	.0200	-.0004

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.0063	-.0001	.0003	-.0007	.0056	.0240	.0007
SDev	.0025	.0004	.0001	.0040	.0032	.0074	.0007
%RSD	39.36	425.8	18.59	607.5	58.19	31.05	101.7

#1	H.0080	.0002	.0003	.0022	.0078	.0292	.0011
#2	.0045	-.0004	.0004	-.0035	.0033	.0187	.0002

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0002	.0018	-.0007	.0082	.0039	H.5586
SDev	.0009	.0003	.0018	.0008	.0026	.0035	.3243
%RSD	520.1	147.7	100.8	108.0	32.09	89.79	58.06

#1	.0008	.0000	.0005	-.0002	.0101	.0064	H.7879
#2	-.0004	-.0004	.0031	-.0013	.0064	.0014	.3293

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	H.5555

00492

%RSD 13.86

#1 H.6099
#2 H.5010

Errors LC High
High .5000
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Navlen	371.030	--	--	--	--	--	--
Avge	51798	--	--	--	--	--	--
SDev	186.0409	--	--	--	--	--	--
%RSD	.3591630	--	--	--	--	--	--
#1	51667	--	--	--	--	--	--
#2	51930	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCV8
Run Time: 11/15/00 17:27:03
Comment:
% CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4774	-.0113	2.463	2.419	2.414	2.492	.0006
SDev	.0000	.0018	.009	.002	.003	.002	.0009
%RSD	.0028	15.58	.3668	.0992	.1243	.0677	139.9
#1	.4773	-.0101	2.457	2.418	2.411	2.491	.0013
#2	.4774	-.0126	2.470	2.421	2.416	2.493	.0000

Errors LC Pass NOCHECK LC Pass LC Pass LC Pass LC Pass NOCHECK
High .5250 2.625 2.750 2.625 2.625 2.625
Low .4750 2.375 2.250 2.375 2.375 2.375

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.490	2.490	2.493	2.437	.2117	-.0007	2.476
SDev	.000	.000	.001	.002	.0034	.0019	.001
%RSD	.0098	.0065	.0465	.0936	1.630	277.5	.0531
#1	2.490	2.490	2.492	2.435	.2142	.0007	2.475
#2	2.490	2.490	2.494	2.439	.2093	-.0021	2.477

Errors LC Pass LC Pass LC Pass LC Pass NOCHECK NOCHECK LC Pass
High 2.625 2.625 2.625 2.625 2.625 2.625
Low 2.375 2.375 2.375 2.375 2.375 2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.488	2.443	2.518	2.460	2.485	.1008	2.492
SDev	.028	.000	.002	.008	.043	.0052	.007
%RSD	1.144	.0011	.0652	.3174	1.738	5.134	.2812

00493

#1	2.467	2.443	2.516	2.466	2.455	.1044	2.487
#2	2.508	2.443	2.519	2.455	2.516	.0971	2.497
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.466	2.528	2.505	2.523	2.490	2.483	50.59
SDev	.002	.002	.001	.003	.018	.056	.22
%RSD	.0798	.0960	.0507	.1243	.7304	2.244	.4302

#1	2.464	2.529	2.506	2.521	2.477	2.444	50.75
#2	2.467	2.526	2.505	2.526	2.502	2.522	50.44
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avge	25.03
SDev	.05
%RSD	.1848

#1	25.06
#2	25.00

Errors	LC Pass
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	52736	--	--	--	--	--	--
SDev	71.27692	--	--	--	--	--	--
%RSD	.1351585	--	--	--	--	--	--
#1	52685	--	--	--	--	--	--
#2	52786	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCV9
 Run Time: 11/15/00 17:32:17
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	50.09	.0200	.0051	.0032	.0042	51.03
SDev	.0001	.06	.0044	.0022	.0024	.0024	.05
%RSD	18.05	.1289	21.87	43.03	75.12	56.98	.1052
#1	.0008	50.04	.0231	.0066	.0048	.0059	51.00

00494

#2	.0007	50.13	.0169	.0035	.0015	.0025	51.07
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	.0045	.0052	.0037	50.96	51.93	.0059
SDev	.0024	.0025	.0025	.0022	.04	.03	.0023
%RSD	84.78	55.66	48.14	58.87	.0694	.0509	39.61

#1	.0045	.0063	.0070	.0052	50.94	51.91	.0076
#2	.0011	.0028	.0034	.0021	50.99	51.95	.0043
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0310	.0037	.0036	.0012	.0474	86.74	.0036
SDev	.0119	.0020	.0019	.0079	.0156	.22	.0036
%RSD	38.50	54.10	54.08	641.2	32.83	.2486	101.4

#1	.0394	.0052	.0050	.0068	.0585	86.59	.0062
#2	.0226	.0023	.0022	-.0044	.0364	86.89	.0010
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0060	.0076	.0358	-.0127	.0471	.0474	.3143
SDev	.0027	.0025	.0014	.0022	.0117	.0175	.0354
%RSD	45.15	32.91	3.871	17.42	24.84	36.96	11.25

#1	.0080	.0094	.0368	-.0111	.0554	.0597	.3393
#2	.0041	.0058	.0348	-.0143	.0388	.0350	.2893
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avge	.4210
SDev	.0366
%RSD	8.685

#1	.4469
#2	.3952

Errors	NOCHECK
High	
Low	

ge 71

51.07	2	3	4	5	6	7
	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
	---	---	---	---	---	---
LC Pass	---	---	---	---	---	---
52.50	---	---	---	---	---	---
7.50	13	---	---	---	---	---
	31	---	---	---	---	---
2576	---	---	---	---	---	---
0059	---	---	---	---	---	---
0023	---	---	---	---	---	---
.61	---	---	---	---	---	---

Sample Name: CCB1 Operator: SD
 5/00 17:37:32

Corr. Factor: 1

HECK	30	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
		ppm	ppm	ppm	ppm	ppm	ppm
	06	.0876	H.0048	.0038	.0001	.0001	.0826
	107	.0405	.0031	.0003	.0001	.0001	.0447
	9	46.22	64.41	8.900	123.8	47.89	50.16
	011	H.1162	H.0071	.0036	.0000	.0002	.1206
	001	.0590	.0026	.0040	.0001	.0001	.0574
	Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
	030	.1000	.0040	.1000	.0050	.0010	.5000
	0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
	12265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
	0001	ppm	ppm	ppm	ppm	ppm	ppm
	0001	.0000	.0003	-.0010	H.1017	.0899	.0001
	11.1	.0005	.0006	.0004	.0427	.0437	.0002
		1898.	205.9	41.40	42.01	48.57	202.3
	.0000	-.0003	-.0001	-.0013	H.1319	.1208	-.0000
	.0002	.0004	.0007	-.0007	H.0715	.0590	.0002
	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
	.0010	.0020	.0050	.0050	.0500	.5000	.0050
	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
	Mo2020	N12316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	H.0076	.0001	.0008	-.0027	.0086	.1886	-.0012
	.0019	.0001	.0005	.0012	.0018	.0736	.0048
	24.49	244.3	59.89	45.90	21.52	39.00	384.3
	H.0089	.0002	.0005	-.0018	.0099	.2406	-.0046
	H.0063	-.0000	.0012	-.0035	.0073	.1366	.0021
s	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
	.0050	.0050	.0030	.0100	.0100	1.000	.0100
	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
	V.0074	Zn0089	Zn0271	Zn0272	Zn0071	Zn0072	Na3309

00496

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.07

Pass

50

50

576

9

3

1

K

LC High
.5000
-.5000

1	2	3	4	5	6	7
Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Y	---	---	---	---	---	---
371.030	---	---	---	---	---	---
52032	---	---	---	---	---	---
244.1845	---	---	---	---	---	---
.4692543	---	---	---	---	---	---
52205	---	---	---	---	---	---
51860	---	---	---	---	---	---

ppm	ppm	ppm	ppm	ppm	ppm	ppm
-.0000	.0042	-.0011	.0121	.0065	.4525	
.0001	.0000	.0007	.0028	.0041	.1908	
184.1	.3573	64.93	21.86	62.80	42.17	
11	.0000	-.0017	.0102	.0094	.3176	
1	-.0001	.0042	-.0006	.0140	.0036	H.5874
LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
.0200						.5000
.0200						-.5000

664
1
123
498
181

5071
5775

Method: ICAP4HI Sample Name: A110167-1-L2

Operator: SD

Run Time: 11/15/00 17:42:46

Comment:

off CONC Corr. Factor: 1

Elem	Aq3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0405	2.080	.0974	.9603	.0987	.0102	19.45
SDev	.0014	.006	.0031	.0007	.0001	.0001	.01
%RSD	3.454	.2968	3.219	.0753	.0660	.6535	.0435
#1	.0415	2.085	.0996	.9608	.0988	.0103	19.46
#2	.0395	2.076	.0952	.9598	.0987	.0102	19.45
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0098	.0999	.0406	.0391	.9700	19.97	.0412

00438

#2	.0007	50.13	.0169	.0035	.0015	.0025	51.07
Errors High	NOCHECK	LC Pass 52.50	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass 52.50
Errors Low		47.50					47.50
Elem Units	Cd2265 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2714 ppm	Mg2790 ppm	Mn2576 ppm
Avge	.0028	.0045	.0052	.0037	50.96	51.93	.0059
SDev	.0024	.0025	.0025	.0022	.04	.03	.0023
%RSD	84.78	55.66	48.14	58.87	.0694	.0509	39.61
#1	.0045	.0063	.0070	.0052	50.94	51.91	.0076
#2	.0011	.0028	.0034	.0021	50.99	51.95	.0043
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass 52.50	LC Pass 52.50	NOCHECK
Errors Low					47.50	47.50	
Elem Units	Mo2020 ppm	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2881 ppm	Ti1908 ppm
Avge	.0310	.0037	.0036	.0012	.0474	86.74	.0036
SDev	.0119	.0020	.0019	.0079	.0156	.22	.0036
%RSD	38.50	54.10	54.08	641.2	32.83	.2486	101.4
#1	.0394	.0052	.0050	.0068	.0585	86.59	.0062
#2	.0226	.0023	.0022	-.0044	.0364	86.89	.0010
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass 94.00	NOCHECK
Errors Low						77.00	
Elem Units	V_2924 ppm	Zn2062 ppm	2203/1 ppm	2203/2 ppm	1960/1 ppm	1960/2 ppm	Na3302 ppm
Avge	.0060	.0076	.0358	-.0127	.0471	.0474	.3143
SDev	.0027	.0025	.0014	.0022	.0117	.0175	.0354
%RSD	45.15	32.91	3.871	17.42	24.84	36.96	11.25
#1	.0080	.0094	.0368	-.0111	.0554	.0597	.3393
#2	.0041	.0058	.0348	-.0143	.0388	.0350	.2893
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Errors Low							
Elem Units	K_7664 ppm						
Avge	.4210						
SDev	.0366						
%RSD	8.685						
#1	.4469						
#2	.3952						
Errors High	NOCHECK						
Errors Low							

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	51512	--	--	--	--	--	--
SDev	167.5843	--	--	--	--	--	--
%RSD	.3253281	--	--	--	--	--	--
#1	51394	--	--	--	--	--	--
#2	51631	--	--	--	--	--	--

Method: ICP4HI Sample Name: CCB1
 Run Time: 11/15/00 17:37:32
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0876	H.0048	.0038	.0001	.0001	.0826
SDev	.0007	.0405	.0031	.0003	.0001	.0001	.0447
%RSD	115.9	46.22	64.41	8.900	123.8	47.89	50.16

#1	-.0011	H.1162	H.0071	.0036	.0000	.0002	.1206
#2	-.0001	.0590	.0026	.0040	.0001	.0001	.0574

Errors High	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0000	.0003	-.0010	H.1017	.0899	.0001
SDev	.0001	.0005	.0006	.0004	.0427	.0437	.0002
%RSD	111.1	1898.	205.9	41.40	42.01	48.57	202.3

#1	.0000	-.0003	-.0001	-.0013	H.1319	.1208	-.0000
#2	.0002	.0004	.0007	-.0007	H.0715	.0590	.0002

Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H.0076	.0001	.0008	-.0027	.0086	.1886	-.0012
SDev	.0019	.0001	.0005	.0012	.0018	.0736	.0048
%RSD	24.49	244.3	59.89	45.90	21.52	39.00	384.3

#1	H.0089	.0002	.0005	-.0018	.0099	.2406	-.0046
#2	H.0063	-.0000	.0012	-.0035	.0073	.1366	.0021

Errors High	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V 2924	Zn2062	220371	220372	196071	196072	Na3302
------	--------	--------	--------	--------	--------	--------	--------

10500

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	-.0000	.0042	-.0011	.0121	.0065	.4525
SDev	.0005	.0001	.0000	.0007	.0026	.0041	.1908
%RSD	164.5	184.1	.3573	64.93	21.86	62.80	42.17
#1	-.0001	.0000	.0042	-.0017	.0102	.0094	.3176
#2	.0007	-.0001	.0042	-.0006	.0140	.0036	H.5874
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	H.5423
SDev	.0498
%RSD	9.181
#1	H.5071
#2	H.5775

Errors	LC High
High	.5000
Low	-.5000

Std	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52032	--	--	--	--	--	--
SDev	244.1645	--	--	--	--	--	--
%RSD	.4692543	--	--	--	--	--	--
#1	52205	--	--	--	--	--	--
#2	51860	--	--	--	--	--	--

SDev	.0002	.0013	.0009	.0010	.0156	.03	.0002
%RSD	2.358	1.266	2.105	2.535	1.607	.1427	.4268
#1	.0100	.1008	.0413	.0398	.9810	19.99	.0413
#2	.0097	.0990	.0400	.0384	.9590	19.95	.0410
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0840	.0998	.1022	.1029	.0915	.3285	.0933
SDev	.0053	.0004	.0007	.0086	.0018	.0159	.0026
%RSD	6.313	.4165	.7165	8.411	1.982	4.839	2.739

#1	.0803	.1001	.1027	.1090	.0903	.3398	.0915
#2	.0878	.0996	.1016	.0968	.0928	.3173	.0951

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0406	.1183	.1027	.1016	.0881	.0930	21.24
SDev	.0003	.0003	.0002	.0012	.0069	.0007	.22
%RSD	.8064	.2614	.1592	1.161	7.828	.7606	1.013

#1	.0409	.1185	.1026	.1024	.0833	.0935	21.40
#2	.0404	.1181	.1028	.1007	.0930	.0925	21.09

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	20.85
SDev	.01
%RSD	.0703

#1	20.86
#2	20.84

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
W/en	371.030	--	--	--	--	--	--
Avge	52404	--	--	--	--	--	--
SDev	5.938592	--	--	--	--	--	--
%RSD	.0113324	--	--	--	--	--	--

52400 -- -- -- -- --
 # 52408 -- -- -- -- --

Method: ICAP4HI Sample Name: A110167-1 Operator: SD
 Run Time: 11/15/00 17:48:01
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0002	.0575	.0028	.0027	.0019	-.0002	.1214
SDev	.0001	.0026	.0015	.0008	.0001	.0000	.0187
%RSD	54.17	4.536	53.45	30.97	4.812	13.79	15.40
#1	-.0002	.0593	.0017	.0032	.0019	-.0002	.1346
#2	-.0001	.0557	.0038	.0021	.0018	-.0002	.1082
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0388	.0001	-.0001	.0280	.2499	.0571	.0034
SDev	.0001	.0002	.0005	.0004	.0023	.0183	.0000
%RSD	.3842	254.5	395.3	1.426	.9311	32.09	.9743
#1	.0387	.0002	.0002	.0282	.2483	.0700	.0034
#2	.0389	-.0001	-.0005	.0277	.2516	.0441	.0034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0055	-.0002	.0028	-.0017	.0102	.0919	.0000
SDev	.0017	.0006	.0001	.0004	.0028	.0018	.0002
%RSD	30.29	297.1	4.592	26.12	27.32	1.953	3686.
#1	.0067	.0002	.0029	-.0014	.0121	.0907	-.0001
#2	.0043	-.0006	.0027	-.0020	.0082	.0932	.0001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0002	.0153	.0015	.0032	.0057	.0121	.2686
SDev	.0001	.0004	.0011	.0004	.0031	.0026	.1510
%RSD	80.31	2.932	73.54	11.54	54.07	21.67	56.22
#1	-.0001	.0156	.0023	.0029	.0079	.0140	.3753
#2	-.0003	.0150	.0007	.0035	.0035	.0103	.1618

110500

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge .6034
 SDev .0138
 %RSD 2.283

#1 .5936
 #2 .6131

Errors LC Pass
 High 50.00
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53868	--	--	--	--	--	--
SDev	206.4034	--	--	--	--	--	--
%RSD	.3831640	--	--	--	--	--	--
#1	53722	--	--	--	--	--	--
#2	54014	--	--	--	--	--	--

Method: LCAP4H1 Sample Name: A110167-1-S1 Operator: SD
 Run Time: 11/15/00 17:53:16
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0411	2.085	.0990	.9666	.1005	.0102	19.51
SDev	.0006	.002	.0007	.0003	.0000	.0000	.02
%RSD	1.515	.1062	.6738	.0322	.0053	.3664	.1056

#1 .0416 2.087 .0985 .9664 .1005 .0101 19.49
 #2 .0407 2.084 .0995 .9668 .1005 .0102 19.52

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0490	.1008	.0420	.0686	1.223	19.97	.0445
SDev	.0001	.0002	.0004	.0005	.003	.02	.0001
%RSD	.1217	.1734	1.076	.7874	.2709	.1060	.1829

#1 .0490 .1009 .0417 .0690 1.221 19.95 .0445
 #2 .0490 .1006 .0423 .0682 1.226 19.98 .0444

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000

Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	N12316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0851	.1010	.1037	.1030	.0885	.3414	.0967
SDev	.0069	.0000	.0009	.0028	.0053	.0058	.0006
%RSD	8.129	.0228	.8294	2.737	5.943	1.700	.5812

#1	.0802	.1010	.1043	.1050	.0848	.3391	.0963
#2	.0900	.1010	.1031	.1010	.0922	.3373	.0971

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0416	.1177	.1058	.1024	.0898	.0876	21.55
SDev	.0004	.0001	.0047	.0037	.0092	.0033	.21
%RSD	1.062	.1148	4.468	3.567	10.23	3.764	.9639

#1	.0413	.1178	.1025	.1050	.0833	.0853	21.40
#2	.0419	.1176	.1091	.0998	.0963	.0899	21.70

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	20.91
SDev	.03
%RSD	.1426

#1	20.89
#2	20.93

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52041	--	--	--	--	--	--
SDev	72.12489	--	--	--	--	--	--
%RSD	.1385916	--	--	--	--	--	--
#1	51990	--	--	--	--	--	--
#2	52092	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110167-1-S2

Operator: SU

Run Time: 11/15/00 17:58:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0428	2.081	.1018	1.004	.1012	.0103	19.54
SDev	.0005	.009	.0003	.003	.0000	.0000	.01
%RSD	1.145	.4302	.3362	.2767	.0215	.1129	.0313
#1	.0431	2.087	.1020	1.006	.1012	.0103	19.54
#2	.0424	2.075	.1015	1.002	.1012	.0102	19.54

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0487	.1007	.0423	.0676	1.227	19.99	.0452
SDev	.0001	.0002	.0000	.0005	.005	.01	.0000
%RSD	.1968	.2002	.0661	.7784	.4260	.0627	.0287
#1	.0488	.1009	.0424	.0680	1.231	20.00	.0452
#2	.0486	.1006	.0423	.0673	1.224	19.98	.0452

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2088	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0934	.1016	.1045	.1027	.0956	.3559	.0978
SDev	.0025	.0000	.0011	.0023	.0063	.0047	.0005
%RSD	2.702	.0321	1.022	2.241	6.541	1.319	.5012
#1	.0916	.1016	.1053	.1010	.0912	.3593	.0982
#2	.0952	.1015	.1037	.1043	.1001	.3526	.0975

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2037	Zn2037	Zn1960	Zn1960	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0416	.1235	.1092	.1019	.0986	.0940	21.58
SDev	.0006	.0005	.0005	.0013	.0016	.0086	.11
%RSD	1.446	.3913	.4987	1.305	1.663	9.116	.5284
#1	.0420	.1238	.1096	.1028	.0974	.0879	21.66
#2	.0412	.1231	.1088	.1009	.0997	.1000	21.50

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	20.78
SDev	.04

%RSD .2129

20.81
#2 20.75

Errors LC Pass
High 50.00
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	51814	--	--	--	--	--	--
SDev	80.18757	--	--	--	--	--	--
%RSD	.1547589	--	--	--	--	--	--
#1	51758	--	--	--	--	--	--
#2	51871	--	--	--	--	--	--

Method: LCAP4HI Sample Name: A110156-1

Operator: SD

Run Time: 11/15/00 18:03:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A	-.0004	4.158	.0250	2.203	.2234	-.0004	47.93
S	.0009	.003	.0031	.001	.0002	.0000	.07
%RSD	231.4	.0809	12.26	.0378	.0819	7.424	.1367

#1	.0002	4.160	.0272	2.202	.2232	-.0004	47.97
#2	-.0010	4.156	.0228	2.204	.2235	-.0004	47.88

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0110	.0240	.7264	8.342	76.17	.7052
SDev	.0002	.0007	.0003	.0004	.030	.24	.0003
%RSD	85.00	6.016	1.241	.0489	.3582	.3205	.0460

#1	.0004	.0114	.0242	.7261	8.363	76.34	.7054
#2	.0001	.0105	.0238	.7266	8.321	76.00	.7050

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A	.0147	.2206	.0096	L-.0371	.0504	16.87	L-.0199
SDev	.0032	.0002	.0003	.0086	.0005	.02	.0016
%RSD	21.92	.1081	3.290	23.26	.9988	.1153	8.134

110307

#1	.0169	.2208	.0093	L-.0310	.0500	16.85	L-.0187
#2	.0124	.2204	.0098	L-.0432	.0507	16.88	L-.0210

Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Low
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0177	2.591	.0147	.0067	.0661	.0422	17.46
SDev	.0000	.004	.0030	.0010	.0016	.0015	.08
%RSD	.0223	.1691	20.42	15.03	2.396	3.665	.4586

#1	.0177	2.595	.0126	.0074	.0672	.0411	17.52
#2	.0177	2.588	.0168	.0060	.0650	.0433	17.41

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	0.0000
SDev	.0000
%RSD	.0000

#1	0.0000
#2	0.0000

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	48755	--	--	--	--	--	--
SDev	77.42819	--	--	--	--	--	--
%RSD	.1588109	--	--	--	--	--	--
#1	48700	--	--	--	--	--	--
#2	48810	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A110179-1

Operator: SU

Run Time: 11/15/00 18:09:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0000	6.557	.0070	.1373	.0624	-.0001	18.59
SDev	.0001	.012	.0003	.0039	.0002	.0000	.01
%RSD	3913.	.1836	4.533	2.856	.3701	1.532	.0789

#1	-.0001	6.566	.0072	.1401	.0625	-.0001	18.61
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#2	.0001	6.548	.0067	.1345	.0622	-.0001	18.58
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0008	.0029	.0216	1.372	20.36	.4178
SDev	.0002	.0000	.0001	.0011	.004	.04	.0003
%RSD	88.66	1.393	2.911	5.123	.2747	.1942	.0690
#1	-.0001	.0008	.0028	.0224	1.370	20.38	.4176
#2	-.0003	.0008	.0029	.0208	1.375	20.33	.4180
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0063	.0023	.0024	.0044	18.14	-.0030
SDev	.0002	.0006	.0011	.0043	.0029	.00	.0016
%RSD	15.49	9.551	48.33	180.1	64.66	.0226	52.85
#1	.0017	.0067	.0030	-.0007	.0024	18.14	-.0042
#2	.0013	.0059	.0015	.0054	.0064	18.14	-.0019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0074	.0271	.0049	.0007	.0028	.0049	17.87
SDev	.0006	.0029	.0018	.0007	.0011	.0048	.01
%RSD	7.953	10.67	37.17	103.5	38.80	98.54	.0708
#1	.0078	.0291	.0062	.0012	.0036	.0015	17.88
#2	.0069	.0250	.0036	.0002	.0021	.0083	17.86
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	8.064						
SDev	2.480						
%RSD	30.75						
#1	9.817						
#2	6.310						
Errors	LC Pass						
High	50.00						
Low	-.5000						

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AY	.0087	.0386	.0000	.0022	.0015	.0059	52.56
S	.0004	.0004	.0051	.0021	.0071	.0015	.02
%RSD	4.217	1.084	15700.	95.00	486.6	25.82	.0398
#1	.0084	.0389	-.0036	.0037	-.0036	.0070	52.54
#2	.0090	.0383	.0036	.0007	.0065	.0049	52.57
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	4.369
SDev	.177
%RSD	4.044

#1	4.494
#2	4.244

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
E	Y	---	---	---	---	---	---
W	371.030	---	---	---	---	---	---
Avge	51433	---	---	---	---	---	---
SDev	53.24569	---	---	---	---	---	---
%RSD	.1035249	---	---	---	---	---	---
#1	51470	---	---	---	---	---	---
#2	51395	---	---	---	---	---	---

Method: ICAP4H1 Sample Name: A110185-1
 Run Time: 11/15/00 18:19:31
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	1.621	.0031	.2354	.3402	-.0002	65.91
SDev	.0005	.004	.0004	.0003	.0000	.0000	.05
%RSD	67.64	.2773	13.37	.1425	.0059	7.991	.0754
#1	-.0004	1.624	.0033	.2356	.3402	-.0002	65.88
#2	-.0011	1.618	.0028	.2351	.3402	-.0002	65.95

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0019	.0152	.0902	4.118	21.26	.1243

SDev	.0002	.0003	.0001	.0003	.020	.01	.0000
%RSD	14.49	15.04	.9790	.3452	.4799	.0353	.0074
#1	.0012	.0021	.0151	.0904	4.104	21.26	.1242
#2	.0010	.0017	.0153	.0899	4.132	21.27	.1243
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	.0077	.0384	.0048	.0048	69.14	-.0028
SDev	.0006	.0002	.0011	.0049	.0031	.18	.0039
%RSD	13.88	2.045	2.904	102.1	63.51	.2642	139.3
#1	.0042	.0076	.0376	.0082	.0026	69.02	-.0000
#2	.0051	.0079	.0391	.0013	.0070	69.27	-.0056
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0138	.3438	.0389	.0378	.0025	.0056	H218.8
SDev	.0002	.0001	.0047	.0007	.0000	.0046	.2
%RSD	1.411	.0191	12.10	1.865	1.389	81.59	.0929
#1	.0140	.3437	.0356	.0383	.0025	.0024	H219.0
#2	.0137	.3438	.0422	.0373	.0025	.0089	H218.7
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	40.13						
SDev	.00						
%RSD	.0099						
#1	40.13						
#2	40.13						
Errors	LC Pass						
High	50.00						
Low	-.5000						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wen	371.030	--	--	--	--	--	--
Avge	46172	--	--	--	--	--	--
SDev	139.1592	--	--	--	--	--	--
%RSD	.3013942	--	--	--	--	--	--

46270 -- -- -- -- --
 # 46073 -- -- -- -- --

Method: ICAP4H1 Sample Name: A100575-5

Operator: SD

Run Time: 11/15/00 18:24:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	1.036	.0019	.5047	.0694	-0.0002	61.50
SDev	.0007	.002	.0006	.0042	.0001	.0000	.01
%RSD	136.6	.1940	32.04	.8405	.0907	4.554	.0194

#1	-0.0010	1.035	.0015	.5077	.0695	-0.0002	61.50
#2	-0.0000	1.037	.0024	.5017	.0694	-0.0002	61.51

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-0.0030	-1.000	-0.0040	-1.000	-0.0050	-0.0010	-5.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0000	.0014	.0012	.0477	3.929	60.42	.7611
SDev	.0001	.0004	.0000	.0007	.031	.17	.0004
%RSD	1174.	31.58	3.529	1.458	.7984	.2741	.0569

#1	-0.0001	.0011	.0013	.0472	3.907	60.31	.7608
#2	.0001	.0017	.0012	.0482	3.952	60.54	.7614

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0319	.0058	.0033	-0.0012	.0044	14.16	-0.0020
SDev	.0006	.0005	.0015	.0034	.0025	.12	.0012
%RSD	1.947	8.521	44.52	283.3	56.92	.8279	60.53

#1	.0315	.0061	.0023	-0.0037	.0026	14.24	-0.0012
#2	.0323	.0054	.0044	.0012	.0062	14.08	-0.0029

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-1.000	-0.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Ni3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.1346	.0021	.0037	.0025	.0051	H475.0
SDev	.0003	.0002	.0021	.0033	.0031	.0053	1.4
%RSD	26.48	.1453	102.5	90.02	126.6	104.2	.2878

#1	.0014	.1348	.0036	.0013	.0047	.0013	H474.0
#2	.0009	.1345	.0006	.0060	.0003	.0089	H476.0

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
H	5.000	5.000					100.0
L	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge H51.97
 SDev .06
 %RSD .1065

#1 H52.01
 #2 H51.93

Errors LC High
 High 50.00
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52224	--	--	--	--	--	--
SDev	206.1907	--	--	--	--	--	--
%RSD	.3948175	--	--	--	--	--	--
#1	52370	--	--	--	--	--	--
#2	52079	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110145-1

Operator: SD

Run Time: 11/15/00 18:29:59

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0872	13.96	.0143	H16.94	.2015	.0216	H968.9
SDev	.0021	.00	.0039	.10	.0011	.0002	11.8
%RSD	2.407	.0148	27.41	.5994	.5719	.7221	1.213

#1	.0857	13.96	.0170	H17.02	.2023	.0215	H960.6
#2	.0887	13.96	.0115	H16.87	.2007	.0218	H977.2

Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0202	.0265	.1208	.0815	18.28	22.65	H114.0
SDev	.0003	.0009	.0004	.0007	.15	.27	1.5
%RSD	1.673	3.428	.3589	.8516	.8004	1.189	1.294

#1	.0199	.0259	.1205	.0810	18.18	22.46	H112.9
#2	.0204	.0272	.1211	.0820	18.38	22.84	H115.0

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000

Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Units	Mo2020 ppm	N12316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2881 ppm	T11908 ppm
Avge	.1954	.1207	.1242	L-.2422	.0935	44.94	.2579
SDev	.0004	.0020	.0030	.0032	.0036	.80	.0063
%RSD	.1944	1.664	2.433	1.340	3.794	1.780	2.430

#1	.1951	.1221	.1220	L-.2399	.0910	44.37	.2535
#2	.1956	.1193	.1263	L-.2445	.0960	45.51	.2623

Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1898	.3034	.1435	.1142	.1042	.0878	H446.2
SDev	.0009	.0044	.0103	.0096	.0204	.0155	.9
%RSD	.4819	1.463	7.148	8.435	19.55	17.66	.1959

#1	.1905	.3003	.1507	.1074	.1186	.0768	H445.6
#2	.1892	.3065	.1362	.1210	.0898	.0988	H446.8

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	C.0000
SDev	.0000
%RSD	.0000

#1	C.0000
#2	C.0000

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	38244	--	--	--	--	--	--
SDev	81.88351	--	--	--	--	--	--
%RSD	.2141081	--	--	--	--	--	--
#1	38302	--	--	--	--	--	--
#2	38186	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCB1
 Run Time: 11/15/00 18:35:14
 Comment:

Operator: SD

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0061	.0009	.0362	.0002	-.0002	H2.036
SDev	.0004	.0103	.0018	.0140	.0001	.0000	.914
%RSD	64.26	167.5	190.0	38.60	30.31	5.039	44.88

#1	-.0009	.0134	.0022	.0460	.0003	-.0002	H2.682
#2	-.0003	-.0011	-.0003	.0263	.0002	-.0002	H1.390

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Gd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0001	-.0002	.0008	.0457	.0582	H.4091
SDev	.0000	.0004	.0003	.0009	.0104	.0207	.1838
%RSD	33.98	855.0	180.9	111.4	22.74	35.54	44.93

#1	-.0001	-.0004	-.0004	.0002	H.0531	.0729	H.5391
#2	-.0001	.0003	.0000	.0014	.0384	.0436	H.2791

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	-.0010	.0001	-.0004	-.0008	.2739	-.0017
SDev	.0012	.0010	.0002	.0024	.0006	.0546	.0019
%RSD	138.2	93.38	189.6	573.3	78.38	19.93	108.0

#1	.0018	-.0017	.0003	-.0021	-.0004	.3125	-.0004
#2	.0000	-.0004	-.0000	.0013	-.0012	.2353	-.0030

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	Zn196071	Zn196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0005	.0004	-.0002	-.0027	-.0000	H1.263
SDev	.0003	.0001	.0016	.0012	.0001	.0010	.104
%RSD	332.1	12.44	440.4	519.9	3.761	2535.	8.202

#1	-.0003	.0004	-.0008	.0006	-.0028	.0007	H1.336
#2	.0001	.0005	.0015	-.0011	-.0026	-.0007	H1.190

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	H1.037
SDev	.258

%RSD 24.90

#1 H1.219
#2 H.8543

Errors LC High
High .5000
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53078	--	--	--	--	--	--
SDev	40.73046	--	--	--	--	--	--
%RSD	.0767368	--	--	--	--	--	--
#1	53049	--	--	--	--	--	--
#2	53107	--	--	--	--	--	--

Method: ICA4HI Sample Name: CCV10

Operator: SD

Run Time: 11/15/00 18:40:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Aq3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A	.4783	-.0276	2.512	2.254	2.406	2.514	.1077
SDev	.0002	.0038	.018	.004	.002	.002	.0376
%RSD	.0499	13.73	.6967	.1879	.0650	.0922	34.86

#1	.4781	-.0249	2.500	2.251	2.405	2.512	.1343
#2	.4784	-.0303	2.525	2.257	2.407	2.515	.0812

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250		2.625	2.750	2.625	2.625	
Low	.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.446	2.511	2.495	2.415	.2225	-.0017	2.495
SDev	.000	.003	.002	.002	.0036	.0021	.004
%RSD	.0159	.1019	.0648	.0660	1.596	119.4	.1793

#1	2.446	2.509	2.494	2.414	.2250	-.0003	2.498
#2	2.446	2.513	2.496	2.416	.2200	-.0032	2.492

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A	2.506	L2.300	2.507	2.491	2.488	.2284	2.490
SDev	.029	.000	.006	.000	.039	.0139	.000
%RSD	1.150	.0118	.2454	.0105	1.581	6.089	.0043

#1	2.486	L2.300	2.512	2.491	2.460	.2383	2.490
#2	2.527	L2.300	2.503	2.491	2.516	.2186	2.490
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.451	2.540	2.558	2.482	2.521	2.471	51.88
SDev	.002	.002	.000	.009	.026	.046	.08
%RSD	.0860	.0643	.0142	.3645	1.023	1.866	.1577

#1	2.449	2.538	2.558	2.488	2.503	2.438	51.94
#2	2.452	2.541	2.557	2.475	2.540	2.503	51.82
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avge	25.43
SDev	.01
%RSD	.0405

#1	25.42
#2	25.44

Errors	LC Pass
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53822	--	--	--	--	--	--
SDev	280.0143	--	--	--	--	--	--
%RSD	.5202589	--	--	--	--	--	--
#1	53624	--	--	--	--	--	--
#2	54020	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: COV11
 Run Time: 11/15/00 18:45:43
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	51.19	.0226	.0075	.0041	.0053	51.15
SDev	.0009	.01	.0071	.0044	.0030	.0030	.09
%RSD	531.0	.0197	31.49	59.02	72.57	55.64	.1675
#1	.0008	51.18	.0277	.0106	.0062	.0074	51.09

#2	-.0004	51.19	.0176	.0043	.0020	.0032	51.21
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	.0052	.0061	.0061	51.70	H53.33	.0086
SDev	.0029	.0032	.0032	.0034	.06	.10	.0036
%RSD	67.63	60.88	52.20	55.21	.1131	.1843	42.39

#1	.0064	.0074	.0083	.0085	51.66	H53.26	.0112
#2	.0023	.0030	.0038	.0037	51.74	H53.40	.0060

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0304	.0053	.0037	.0024	.0476	87.23	.0011
SDev	.0108	.0028	.0031	.0022	.0155	.20	.0017
%RSD	35.35	52.09	84.93	92.76	32.56	.2238	155.9

#1	.0380	.0073	.0059	.0039	.0586	87.09	.0023
#2	.0228	.0034	.0015	.0008	.0367	87.37	-.0001

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0078	.0091	.0403	-.0149	.0492	.0466	.3941
SDev	.0031	.0030	.0045	.0024	.0155	.0155	.1747
%RSD	39.68	32.99	11.11	16.39	31.54	33.26	44.34

#1	.0100	.0113	.0434	-.0132	.0602	.0575	.5176
#2	.0056	.0070	.0371	-.0166	.0383	.0356	.2705

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avge	.4361
SDev	.0537
%RSD	12.31

#1	.4740
#2	.3981

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	51758	--	--	--	--	--	--
SDev	252.6498	--	--	--	--	--	--
%RSD	.4881372	--	--	--	--	--	--
#1	51579	--	--	--	--	--	--
#2	51937	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: CCB1

Operator: SD

Run Time: 11/15/00 18:50:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0919	H.0068	.0035	.0003	.0002	.1160
SDev	.0002	.0580	.0012	.0010	.0002	.0001	.0537
%RSD	39.09	63.10	18.11	28.26	64.75	79.04	46.31
#1	-.0003	H.1330	H.0076	.0042	.0004	.0003	.1540
#2	-.0006	.0509	H.0059	.0028	.0002	.0001	.0780

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0003	-.0005	.0019	H.1317	.1186	.0009
SDev	.0002	.0003	.0003	.0003	.0687	.0598	.0004
%RSD	72.19	86.80	53.72	17.19	52.14	50.44	46.09
#1	.0004	.0006	-.0003	.0021	H.1802	.1609	.0006
#2	.0001	.0001	-.0007	.0016	H.0831	.0763	.0011

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.0060	-.0008	.0010	.0027	H.0117	.2846	-.0062
SDev	.0010	.0005	.0002	.0007	.0047	.1092	.0022
%RSD	16.78	64.69	23.22	24.24	40.20	38.39	36.08
#1	H.0067	-.0011	.0011	.0032	H.0150	.3619	-.0046
#2	H.0052	-.0004	.0008	.0023	.0084	.2074	-.0077

Errors	LC High	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	220371	220372	196071	196072	Na3302
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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0001	-.0002	-.0025	.0024	.0085	.0130	.1637
SDev	.0001	.0002	.0028	.0017	.0079	.0031	.1133
%RSD	66.10	113.6	111.8	70.28	92.31	23.95	69.24
#1	-.0002	-.0003	-.0044	.0036	.0141	.0152	.0835
#2	-.0001	-.0000	-.0005	.0012	.0030	.0108	.2438
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
AVge	H.5049
SDev	.0002
%RSD	.0473

#1	H.5050
#2	H.5047

Errors	LC High
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WLen	371.030	--	--	--	--	--	--
AVge	52419	--	--	--	--	--	--
SDev	3.181981	--	--	--	--	--	--
%RSD	.0060702	--	--	--	--	--	--
#1	52417	--	--	--	--	--	--
#2	52422	--	--	--	--	--	--

Method: ICP4HI Sample Name: A110145-2

Operator: SD

Run time: 11/15/00 18:56:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	L-.0167	4.484	L-.1113	H56.64	.0895	.0000	53.83
SDev	.0021	.020	.0074	.13	.0004	.0001	.17
%RSD	12.50	.4539	6.670	.2336	.3972	178.0	.3078
#1	L-.0152	4.498	L-.1060	H56.55	.0898	.0001	53.71
#2	L-.0181	4.469	L-.1165	H56.74	.0893	-.0000	53.95

Errors	LC Low	LC Pass	LC Low	LC High	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0000	L-.0030	.2860	1.853	7.555	89.17	.3429

SDev	.0005	.0011	.0017	.005	.006	.31	.0001
%RSD	3162.	37.82	.5841	.2818	.0791	.3512	.0330
#1	.0004	L-.0022	.2848	1.857	7.550	88.95	.3428
#2	-.0003	L-.0038	.2872	1.850	7.559	89.39	.3430
Errors High	LC Pass 5.000	LC Low 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 100.0	LC Pass 100.0	LC Pass 5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem Units	Mo2020 ppm	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2881 ppm	Ti1908 ppm
Avge	H31.12	.2206	.2988	.3353	.5115	82.28	L-.0794
SDev	.17	.0009	.0001	.0058	.0151	.20	.0025
%RSD	.5371	.4114	.0311	1.722	2.959	.2432	3.208
#1	H31.00	.2200	.2987	.3393	.5008	82.14	L-.0776
#2	H31.24	.2213	.2988	.3312	.5222	82.43	L-.0812

Errors High	LC High 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 171.0	LC Low 5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem Units	V_2924 ppm	Zn2062 ppm	2203/1 ppm	2203/2 ppm	1960/1 ppm	1960/2 ppm	Na3302 ppm
Avge	.0265	.2150	.3275	.2841	.5324	.5007	H3878.
SDev	.0010	.0008	.0123	.0060	.0167	.0144	2.
%RSD	3.635	.3821	3.754	2.115	3.129	2.871	.0628
#1	.0259	.2144	.3188	.2883	.5206	.4905	H3879.
#2	.0272	.2156	.3362	.2798	.5442	.5108	H3876.

Errors High	LC Pass 5.000	LC Pass 5.000	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High 100.0
Low	-.0020	-.0200					-.5000

Elem Units	K_7664 ppm						
Avge	C.0000						
SDev	.0000						
%RSD	.0000						
#1	C.0000						
#2	C.0000						

Errors High	LC Pass 50.00						
Low	-.5000						

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
When	371.030	--	--	--	--	--	--
Avge	36185	--	--	--	--	--	--
SDev	136.8125	--	--	--	--	--	--
%RSD	.3775348	--	--	--	--	--	--

36282 -- -- -- -- -- --
 # 36089 -- -- -- -- -- --

Method: ICAP4HI Sample Name: A110145-3 Operator: SD

Run Time: 11/15/00 19:01:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2498	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0068	.7614	L-.0324	1.134	.0330	-.0001	29.32
SDev	.0009	.0014	.0013	.063	.0001	.0000	.02
%RSD	13.64	.1784	4.099	5.567	.4054	5.945	.0632

#1	L-.0074	.7604	L-.0315	1.178	.0329	-.0001	29.33
#2	L-.0061	.7624	L-.0334	1.089	.0331	-.0002	29.30

Errors	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	L-.0029	.0010	.0290	.6107	26.56	.0980
SDev	.0001	.0008	.0013	.0009	.0028	.07	.0002
%RSD	55.42	26.56	130.3	3.286	.4618	.2482	.2124

#1	-.0003	L-.0035	.0019	.0296	.6127	26.60	.0981
#2	-.0001	L-.0024	.0001	.0283	.6087	26.51	.0979

Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H9.643	.0064	-.0017	.1004	.0195	19.54	L-.0271
SDev	.005	.0017	.0020	.0012	.0046	.04	.0057
%RSD	.0500	25.86	114.5	1.228	23.60	.2022	21.04

#1	H9.640	.0076	L-.0031	.0995	.0228	19.57	L-.0231
#2	H9.647	.0052	-.0003	.1013	.0163	19.51	L-.0311

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	Zn196071	Zn196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0064	.3212	.0045	-.0051	.0175	.0202	H524.8
SDev	.0016	.0021	.0068	.0063	.0106	.0016	8.0
%RSD	25.00	.6435	150.5	122.9	60.23	8.040	1.518

#1	.0075	.3198	.0093	-.0096	.0250	.0214	H530.4
#2	.0052	.3227	-.0003	-.0007	.0101	.0191	H519.1

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge C.0000
 SDev .0000
 %RSD .0000

#1 C.0000
 #2 C.0000

Errors LC Pass
 High 50.00
 Low -.5000

INTSTD	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	40791	--	--	--	--	--	--
SDev	15.48730	--	--	--	--	--	--
%RSD	.0379670	--	--	--	--	--	--

#1 40780
 #2 40802

Method: ICAP4H1 Sample Name: A110145-4
 Run Time: 11/15/00 19:06:44
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	.5252	.0044	.6482	.0691	-.0002	16.17
SDev	.0005	.0039	.0019	.0059	.0000	.0000	.02
%RSD	61.76	.7354	42.63	.9071	.0059	1.649	.1319

#1 -.0005 .5279 .0058 .6524 .0691 -.0002 16.19
 #2 -.0012 .5225 .0031 .6441 .0691 -.0002 16.16

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	-.0000	-.0001	.0154	.2103	13.56	.0721
SDev	.0001	.0001	.0010	.0005	.0121	.02	.0002
%RSD	374.0	252.9	1558.	3.424	5.767	.1633	.3089

#1 .0000 .0000 -.0008 .0158 .2189 13.57 .0722
 #2 -.0001 -.0001 .0007 .0151 .2017 13.54 .0719

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000

00524

Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3049	.0011	.0818	.0081	.0080	12.45	-.0023
SDev	.0343	.0002	.0003	.0034	.0002	.05	.0010
%RSD	11.24	16.48	.3562	56.03	2.463	.3695	43.89

#1	.3291	.0012	.0820	.0085	.0079	12.48	-.0030
#2	.2806	.0010	.0816	.0037	.0082	12.42	-.0016

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.1808	.0803	.0823	.0058	.0089	H153.1
SDev	.0006	.0011	.0053	.0031	.0038	.0017	1.0
%RSD	37.23	.6373	6.547	3.721	66.35	18.93	.6586

#1	.0011	.1817	.0766	.0845	.0031	.0101	H153.8
#2	.0019	.1800	.0840	.0802	.0085	.0077	H152.4

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	H117.0
SDev	.1
%RSD	.0962

#1	H117.1
#2	H116.9

Errors	LC High
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	45991	--	--	--	--	--	--
SDev	141.2805	--	--	--	--	--	--
%RSD	.3071902	--	--	--	--	--	--
#1	45891	--	--	--	--	--	--
#2	46091	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110145-5
 Run Time: 11/15/00 19:12:00
 Comment:

Operator: SD

00525

Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	7.569	.0023	.6875	.0432	-.0002	57.73
SDev	.0007	.002	.0024	.0015	.0001	.0000	.09
%RSD	704.6	.0200	107.1	.2188	.1085	3.321	.1595

#1	-.0006	7.570	.0006	.6886	.0432	-.0002	57.66
#2	.0004	7.568	.0040	.6865	.0433	-.0002	57.79

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0012	.0042	.0447	.5813	43.44	.1586
SDev	.0000	.0003	.0004	.0003	.0122	.09	.0003
%RSD	9.705	26.14	10.63	.6079	2.095	.2005	.1698

#1	.0001	.0010	.0046	.0445	.5727	43.38	.1584
#2	.0001	.0014	.0039	.0449	.5899	43.50	.1588

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1819	.0112	.0062	.0004	.0079	30.23	-.0010
SDev	.0034	.0015	.0016	.0021	.0029	.00	.0030
%RSD	1.839	13.17	25.32	482.2	36.39	.0089	306.4

#1	.1843	.0122	.0051	-.0010	.0099	30.22	-.0031
#2	.1796	.0101	.0073	.0019	.0059	30.23	.0011

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060	.1327	.0123	.0028	.0076	.0077	H1219.
SDev	.0008	.0005	.0059	.0053	.0063	.0012	1.
%RSD	6.255	.3959	48.09	191.8	83.11	15.11	.0571

#1	.0130	.1324	.0165	-.0010	.0120	.0085	H1220.
#2	.0119	.1331	.0081	.0065	.0031	.0068	H1219.

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	H51.37
SDev	.19

%RSD .3769

#1 H51.50
#2 H51.23

Errors LC High
High 50.00
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	39218	--	--	--	--	--	--
SDev	66.39899	--	--	--	--	--	--
%RSD	.1693076	--	--	--	--	--	--
#1	39265	--	--	--	--	--	--
#2	39171	--	--	--	--	--	--

Method: ICP4HI Sample Name: A110145-6
Run Time: 11/15/00 19:17:15
Comment:
Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Ave	-.0015	1.444	.0095	.9921	.2147	-.0002	H257.2
SDev	.0019	.009	.0049	.0051	.0001	.0001	.3
%RSD	121.4	.5888	51.47	.5133	.0541	34.03	.1068

#1	-.0002	1.450	.0129	.9885	.2146	-.0001	H257.0
#2	-.0029	1.438	.0060	.9957	.2148	-.0002	H257.4

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Ave	.0004	.0204	.0076	.0337	1.699	51.82	.1511
SDev	.0002	.0012	.0011	.0010	.015	.01	.0002
%RSD	49.56	6.071	15.03	2.830	.8591	.0211	.1248

#1	.0005	.0212	.0084	.0344	1.710	51.81	.1513
#2	.0003	.0195	.0068	.0331	1.689	51.83	.1510

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Ave	.1684	.0190	.0077	-.0061	.0037	38.97	-.0066
SDev	.0027	.0021	.0024	.0029	.0019	.36	.0030
%RSD	1.589	10.86	30.99	47.85	50.30	.9363	45.18

#1	.1665	.0205	.0060	-.0041	.0024	38.71	-.0045
#2	.1703	.0175	.0094	-.0082	.0051	39.22	-.0087
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0117	.1550	.0113	.0055	.0106	-.0001	H1715.
SDev	.0020	.0010	.0030	.0051	.0019	.0038	.
%RSD	17.05	.6628	26.46	92.66	18.40	3411.	.0127

#1	.0131	.1558	.0135	.0019	.0119	-.0028	H1715.
#2	.0103	.1543	.0092	.0091	.0092	.0026	H1715.

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	H112.1
SDev	.2
%RSD	.1755

#1	H112.2
#2	H111.9

Errors	LC High
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35629	--	--	--	--	--	--
SDev	64.06498	--	--	--	--	--	--
%RSD	.1798118	--	--	--	--	--	--
#1	35584	--	--	--	--	--	--
#2	35674	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A110145-7

Operator: SD

Run Time: 11/15/00 19:22:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	1.326	.0056	1.905	.2568	-.0001	H283.0
SDev	.0007	.006	.0011	.004	.0001	.0001	.4
%RSD	45.52	.4726	19.62	.2314	.0347	123.1	.1391

#1	.0010	1.321	.0064	1.902	.2568	-.0001	H282.7
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#2	.0020	1.330	.0048	1.908	.2567	-.0000	H283.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0022	.0079	.0446	2.292	48.86	.3063
SDev	.0002	.0002	.0002	.0007	.022	.00	.0000
%RSD	191.4	8.423	2.111	1.401	.9721	.0034	.0091

#1	.0000	.0023	.0080	.0504	2.276	48.86	.3062
#2	-.0002	.0021	.0078	.0515	2.307	48.85	.3063

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0981	.0100	.0045	.0017	.0054	57.58	.0028
SDev	.0008	.0006	.0015	.0028	.0026	.12	.0091
%RSD	.8624	5.553	33.61	167.8	47.74	.2076	321.0

#1	.0987	.0104	.0056	-.0003	.0036	57.49	-.0036
#2	.0975	.0096	.0034	.0036	.0073	57.66	.0092

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0126	.2002	.0073	.0027	.0104	.0025	H1059.
SDev	.0001	.0003	.0047	.0001	.0051	.0064	2.
%RSD	.7553	.1491	63.89	2.788	49.01	252.6	.2035

#1	.0125	.2000	.0107	.0027	.0140	-.0020	H1058.
#2	.0127	.2004	.0040	.0028	.0068	.0071	H1061.

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	H88.51
SDev	.08
%RSD	.0898

#1	H88.57
#2	H88.46

Errors	LC High
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Counts	371.030	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	37574	---	---	---	---	---	---
SDev	120.2772	---	---	---	---	---	---
%RSD	.3201080	---	---	---	---	---	---
#1	37659	---	---	---	---	---	---
#2	37489	---	---	---	---	---	---

Method: ICAP4HI Sample Name: A110145-8 Operator: SD
 Run Time: 11/15/00 19:27:44
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Aq3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	.8470	.0064	1.333	.0458	-.0001	35.58
SDev	.0014	.0030	.0001	.003	.0002	.0000	.22
%RSD	35.11	.3515	1.494	.2170	.5303	12.14	.6061
#1	.0049	.8491	.0064	1.335	.0460	-.0001	35.74
#2	.0030	.8449	.0063	1.331	.0456	-.0001	35.43

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0025	.0108	.0708	.9031	28.37	.1074
SDev	.0002	.0003	.0004	.0006	.0016	.07	.0003
%RSD	63.98	11.56	3.441	.8603	.1747	.2308	.3146
#1	.0005	.0027	.0111	.0712	.9020	28.41	.1077
#2	.0002	.0023	.0106	.0704	.9042	28.32	.1072

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0327	.0381	.0085	-.0005	.0066	41.54	-.0016
SDev	.0016	.0003	.0013	.0054	.0007	.08	.0062
%RSD	5.049	.7066	14.71	1034.	10.80	.1959	374.4
#1	.0339	.0382	.0093	.0033	.0071	41.60	-.0060
#2	.0315	.0379	.0076	-.0043	.0061	41.49	.0027

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0213	.3619	.0114	.0066	.0087	.0051	H1793.
SDev	.0003	.0011	.0006	.0022	.0044	.0032	
%RSD	1.516	.3097	5.446	32.92	50.30	63.94	.0249
#1	.0215	.3627	.0110	.0082	.0056	.0074	H1793.
#2	.0210	.3611	.0119	.0051	.0118	.0028	H1792.
Errors High	LC Pass 5.000	LC Pass 5.000	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High 100.0
Errors Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	24.89
SDev	.07
%RSD	.2900

#1	24.94
#2	24.84

Errors High	LC Pass 50.00
Errors Low	-.5000

INTSTD Mode	1 Counts	2 NOTUSED	3 NOTUSED	4 NOTUSED	5 NOTUSED	6 NOTUSED	7 NOTUSED
Wavelength	371.030	--	--	--	--	--	--
Avge	33417	--	--	--	--	--	--
SDev	15.27461	--	--	--	--	--	--
%RSD	.0457087	--	--	--	--	--	--
#1	33428	--	--	--	--	--	--
#2	33406	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110145-9

Operator: SD

Run Time: 11/15/00 19:32:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0169	14.37	.0079	1.450	1.866	-.0003	H1372.
SDev	.0008	.06	.0001	.001	.009	.0000	15.
%RSD	4.968	.4399	.5735	.0351	.4597	18.31	1.069
#1	.0175	14.41	.0079	1.450	1.872	-.0003	H1361.
#2	.0163	14.32	.0079	1.451	1.860	-.0002	H1382.

Errors High	LC Pass 1.000	LC Pass 100.0	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC High 100.0
Errors Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.0127	.4125	1.430	23.92	86.33	.922

00530

SDev	.0003	.0004	.0010	.006	.12	.60	.0017
%RSD	11.56	2.953	.2449	.4129	.5054	.6896	.1879
#1	.0025	.0130	.4118	1.434	23.83	85.91	.9208
#2	.0021	.0125	.4132	1.426	24.00	86.75	.9233
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1724	.2633	.0907	.0116	.0070	71.41	.0135
SDev	.0117	.0007	.0013	.0075	.0011	.12	.0026
%RSD	6.769	.2698	1.445	64.16	15.76	.1634	19.07
#1	.1642	.2628	.0898	.0169	.0063	71.33	.0116
#2	.1807	.2638	.0916	.0064	.0078	71.50	.0153
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0351	.4525	.1023	.0846	.0129	.0038	H2413.
SDev	.0004	.0026	.0017	.0011	.0050	.0042	3.
%RSD	1.119	.5650	1.636	1.360	38.95	111.4	.1371
#1	.0354	.4507	.1011	.0838	.0165	.0008	H2415.
#2	.0349	.4543	.1034	.0855	.0094	.0067	H2411.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	H133.4						
SDev	.4						
%RSD	.3079						
#1	H133.7						
#2	H133.1						
Errors	LC High						
High	50.00						
Low	-.5000						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
W/en	371.030	--	--	--	--	--	--
Avge	43694	--	--	--	--	--	--
SDev	319.4714	--	--	--	--	--	--
%RSD	.7311595	--	--	--	--	--	--

00531

43920 -- -- -- -- --
 # 43468 -- -- -- -- --

Method: ICAP4H1 Sample Name: CCB1 Operator: SD
 Run Time: 11/15/00 19:38:12
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0005	.0171	-.0003	.0070	.0032	-.0002	H3.345
SDev	.0004	.0160	.0008	.0022	.0017	.0000	1.646
%RSD	81.33	93.67	276.3	32.26	53.78	13.21	49.20
#1	-.0002	.0285	.0003	.0086	.0045	-.0002	H4.509
#2	-.0007	.0058	-.0009	.0054	.0020	-.0002	H2.181

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0002	.0002	.0005	.0021	H.0646	.1852	.0015
SDev	.0000	.0003	.0008	.0018	.0346	.0920	.0009
%RSD	14.42	151.6	161.8	87.18	53.59	49.66	62.16
#1	-.0002	.0004	.0010	.0034	H.0890	.2503	.0021
#2	-.0002	-.0000	-.0001	.0008	.0401	.1202	.0008

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	H.0168	-.0004	.0010	.0005	.0001	.2703	-.0047
SDev	.0037	.0007	.0006	.0019	.0021	.0843	.0024
%RSD	21.77	166.5	63.23	366.1	1779.	31.21	50.23
#1	H.0193	.0001	.0006	.0019	.0016	.3299	-.0030
#2	H.0142	-.0010	.0015	-.0008	-.0014	.2106	-.0063

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2203/1	Zn2203/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0000	.0011	.0008	.0009	-.0012	.0005	H10.28
SDev	.0007	.0005	.0018	.0019	.0041	.0011	5.04
%RSD	6786.	47.60	233.9	214.2	353.9	212.0	49.02
#1	.0005	.0015	.0021	-.0005	.0017	.0013	H13.84
#2	-.0005	.0008	-.0005	.0022	-.0041	-.0003	H6.714

0933?

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
H	.0020	.0200					.5000
L	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge H.6115
 SDev .1058
 %RSD 17.30

#1 H.6863
 #2 H.5366

Errors LC High
 High .5000
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
waven	371.030	--	--	--	--	--	--
Avge	51734	--	--	--	--	--	--
SDev	513.1468	--	--	--	--	--	--
%RSD	.9918900	--	--	--	--	--	--

#1 51371 -- -- -- -- --
 #2 52097 -- -- -- -- --

Method: ICP4HI Sample Name: A110159-1-S0 936ICP1 Operator: SD
 Run Time: 11/15/00 19:43:26
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0099	.0011	.0008	-.0001	-.0002	.1987
SDev	.0005	.0022	.0011	.0006	.0001	.0000	.1090
%RSD	197.7	21.86	94.73	78.74	100.5	2.196	54.87

#1 -.0006 -.0114 .0004 .0003 -.0000 -.0002 .2758
 #2 .0001 -.0083 .0019 .0012 -.0001 -.0002 .1216

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0001	-.0006	-.0004	.0017	.0093	-.0002
SDev	.0001	.0001	.0001	.0001	.0043	.0034	.0001
%RSD	151.4	102.4	20.59	12.40	251.9	36.57	25.06

#1 -.0002 .0001 -.0005 -.0005 -.0013 .0118 -.0002
 #2 .0000 .0000 -.0007 -.0004 .0047 .0069 -.0003

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000

Low	- .0010	- .0020	- .0050	- .0050	- .0500	- .5000	- .0050
Elem	Mo2020	N12316	Pb2203	Sb2068	Sa1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	- .0005	.0017	- .0027	.0007	.1179	- .0017
SDev	.0009	.0003	.0005	.0032	.0001	.0219	.0026
%RSD	45.62	50.66	28.71	116.4	15.73	18.61	156.1

#1	.0014	- .0007	.0020	- .0050	.0007	.1334	.0002
#2	.0027	- .0003	.0013	- .0005	.0008	.1024	- .0036

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	- .0050	- .0050	- .0030	- .0100	- .0100	- 1.000	- .0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	- .0005	- .0007	.0014	.0016	.0027	- .0004	.9410
SDev	.0002	.0002	.0003	.0009	.0002	.0001	.3273
%RSD	36.76	36.50	23.44	56.07	8.293	15.76	34.78

#1	- .0006	- .0005	.0012	.0022	.0025	- .0005	1.172
#2	- .0003	- .0009	.0017	.0010	.0028	- .0004	.7096

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	- .0020	- .0200					- .5000

Elem	K_7664
Units	ppm
Avge	.5078
SDev	.0215
%RSD	4.243

#1	.5230
#2	.4925

Errors	LC Pass
High	50.00
Low	- .5000

InstId	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	54564	--	--	--	--	--	--
SDev	86.55153	--	--	--	--	--	--
%RSD	.1586230	--	--	--	--	--	--
#1	54626	--	--	--	--	--	--
#2	54503	--	--	--	--	--	--

Method: LCAP4HI Sample Name: CCB1

Operator: SD

Run Time: 11/15/00 19:48:41

Comment:

00534

Code: CONC Corr. Factor: 1

Element	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0000	-.0042	.0005	.0030	-.0001	-.0002	.0121
SDev	.0002	.0020	.0013	.0000	.0000	.0000	.0021
%RSD	1186.	46.67	266.3	1.426	20.70	1.185	16.92

#1	.0001	-.0028	-.0004	.0030	-.0001	-.0002	.0107
#2	-.0001	-.0056	.0014	.0029	-.0001	-.0002	.0135

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Element	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0004	-.0003	-.0002	.0047	.0015	-.0003
SDev	.0001	.0001	.0005	.0002	.0003	.0006	.0000
%RSD	33.63	26.26	162.0	67.88	6.958	39.13	6.705

#1	-.0002	.0005	-.0007	-.0001	.0045	.0020	-.0003
#2	-.0001	.0004	.0000	-.0003	.0049	.0011	-.0003

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Element	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H.0052	-.0009	.0004	.0016	-.0007	.0640	-.0032
SDev	.0008	.0005	.0007	.0041	.0011	.0040	.0002
%RSD	14.51	55.84	160.8	258.7	142.1	6.231	5.572

#1	H.0057	-.0012	.0009	-.0013	.0000	.0668	-.0030
#2	.0046	-.0005	-.0001	.0044	-.0015	.0612	-.0033

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Element	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0001	.0007	.0000	.0011	-.0019	H.6535
SDev	.0006	.0001	.0024	.0022	.0012	.0022	.2147
%RSD	547.3	107.1	367.6	4744.	110.7	115.7	32.85

#1	-.0005	.0001	-.0011	.0016	.0002	-.0003	H.5017
#2	.0003	.0000	.0024	-.0015	.0019	-.0034	H.8053

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Element	K_7664
Units	ppm
Avg	.4343
SDev	.0143

00535

%RSD 3.287

#1 .4444

#2 .4242

Errors LC Pass

High .5000

Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.036	--	--	--	--	--	--
Avge	51511	--	--	--	--	--	--
SDev	17.39593	--	--	--	--	--	--
%RSD	.0337716	--	--	--	--	--	--
#1	51523	--	--	--	--	--	--
#2	51498	--	--	--	--	--	--

Method: LCAP4H1 Sample Name: CCV12

Operator: SD

Run Time: 11/15/00 19:53:56

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Ave	.4796	-.0143	2.512	2.447	2.379	2.514	-.0011
SDev	.0000	.0008	.013	.002	.002	.004	.0001
%RSD	.0075	5.341	.5248	.0667	.0749	.1731	12.08

#1	.4796	-.0138	2.503	2.446	2.381	2.511	-.0012
#2	.4796	-.0149	2.522	2.448	2.378	2.517	-.0011

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250		2.625	2.750	2.625	2.625	
Low	.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.550	2.521	2.517	2.424	.2185	-.0031	2.496
SDev	.007	.004	.005	.001	.0032	.0005	.003
%RSD	.2552	.1754	.1828	.0550	1.454	17.66	.1243

#1	2.546	2.518	2.514	2.423	.2207	-.0027	2.494
#2	2.555	2.525	2.520	2.425	.2162	-.0034	2.498

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Ave	2.510	2.493	2.573	2.456	2.517	.1847	2.526
SDev	.032	.008	.013	.003	.059	.0068	.017
%RSD	1.261	.3130	.4991	.1411	2.351	3.679	.6847

#1	2.488	2.488	2.564	2.459	2.475	.1895	2.514
#2	2.532	2.499	2.582	2.454	2.559	.1799	2.539
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.473	2.599	2.555	2.583	2.510	2.520	51.44
SDev	.003	.008	.011	.014	.043	.067	.03
%RSD	.1297	.3016	.4201	.5398	1.702	2.674	.0569

#1	2.471	2.593	2.547	2.573	2.479	2.472	51.46
#2	2.476	2.604	2.562	2.592	2.540	2.568	51.42

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avge	25.60
SDev	.02
%RSD	.0804

#1	25.58
#2	25.61

Errors	LC Pass
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52941	--	--	--	--	--	--
SDev	142.7637	--	--	--	--	--	--
%RSD	.2696635	--	--	--	--	--	--

#1	53042	--	--	--	--	--	--
#2	52841	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCV13

Operator: SD

Run Time: 11/15/00 19:59:11

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	50.47	.0213	.0045	.0026	.0038	51.97
SDev	.0009	.02	.0050	.0026	.0022	.0022	.05
%RSD	194.5	.0400	23.61	57.18	83.97	58.04	.1050

#1	.0011	50.46	.0248	.0063	.0042	.0054	51.93
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00537

#2	-.0002	50.49	.0177	.0027	.0011	.0023	52.00
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.0041	.0044	.0035	51.65	H53.78	.0055
SDev	.0024	.0023	.0022	.0024	.05	.03	.0022
%RSD	89.56	55.76	50.15	67.95	.0955	.0444	40.77
#1	.0043	.0057	.0059	.0051	51.62	H53.76	.0071
#2	.0010	.0025	.0028	.0018	51.69	H53.80	.0039
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0328	.0046	.0036	.0085	.0505	87.67	.0004
SDev	.0113	.0021	.0008	.0008	.0196	.13	.0023
%RSD	34.40	47.03	23.12	9.068	38.80	.1475	603.4
#1	.0408	.0061	.0041	.0080	.0643	87.57	.0020
#2	.0248	.0030	.0030	.0091	.0366	87.76	-.0012
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	.0078	.0389	-.0143	.0485	.0512	.3793
SDev	.0022	.0021	.0006	.0009	.0121	.0233	.1600
%RSD	38.91	26.41	1.477	6.607	25.03	45.49	42.19
#1	.0072	.0092	.0393	-.0137	.0571	.0677	.4924
#2	.0041	.0063	.0385	-.0150	.0399	.0348	.2661
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							
Elem	K_7664						
Units	ppm						
Avge	.3474						
SDev	.0344						
%RSD	9.890						
#1	.3717						
#2	.3231						
Errors	NOCHECK						
High							
Low							

IntStd	1	2	3	4	5	6	7
M Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	51187	--	--	--	--	--	--
SDev	13.78858	--	--	--	--	--	--
%RSD	.0269375	--	--	--	--	--	--
#1	51178	--	--	--	--	--	--
#2	51197	--	--	--	--	--	--

Method: ICP4H1 Sample Name: CCB1 Operator: SD
 Run Time: 11/15/00 20:04:27
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0824	H.0050	.0034	.0001	.0001	.0867
SDev	.0001	.0465	.0029	.0004	.0001	.0001	.0456
%RSD	52.32	56.44	57.19	12.54	96.37	150.5	52.54

#1	-.0001	H.1152	H.0070	.0038	.0002	.0002	.1189
#2	-.0002	.0495	.0030	.0031	.0000	-.0000	.0545

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0000	.0002	-.0010	H.0984	.0897	-.0000
SDev	.0002	.0003	.0005	.0000	.0590	.0483	.0001
%RSD	42.30	1808.	215.6	.2769	59.99	53.85	606.0

#1	.0005	.0002	.0006	-.0010	H.1401	.1238	.0001
#2	.0003	-.0002	-.0001	-.0010	H.0566	.0555	-.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.0089	.0000	.0007	-.0030	H.0117	.2191	.0010
SDev	.0021	.0004	.0006	.0035	.0013	.0893	.0036
%RSD	23.11	1088.	82.77	117.2	10.86	40.75	353.3

#1	H.0104	.0004	.0003	-.0005	H.0108	.2823	-.0015
#2	H.0074	-.0003	.0011	-.0054	H.0126	.1560	.0036

Errors	LC High	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	220371	220372	196071	196072	Na3302
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0070

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AV	.0002	.0002	.0025	-.0004	.0113	.0117	.4380
S	.0003	.0000	.0001	.0009	.0030	.0034	.1644
%RSD	123.3	.9938	4.430	235.1	26.69	29.43	37.54
#1	.0004	.0002	.0026	-.0011	.0135	.0093	H.5543
#2	.0000	.0002	.0024	.0003	.0092	.0141	.3217
Errors High	LC Pass .0020	LC Pass .0200	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass .5000
Errors Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
AVge	.4240
SDev	.0515
%RSD	12.14

#1	.3876
#2	.4604

Errors High	LC Pass .5000
Errors Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
E	Y	--	--	--	--	--	--
W	en 371.030	--	--	--	--	--	--
AVge	51759	--	--	--	--	--	--
SDev	159.3089	--	--	--	--	--	--
%RSD	.3077889	--	--	--	--	--	--
#1	51647	--	--	--	--	--	--
#2	51872	--	--	--	--	--	--

Method: LCAP4HI Sample Name: A110159-1-L1 200.2 Operator: SD
 Run Time: 11/15/00 20:09:43
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0388	2.085	.0993	1.030	.0964	.0103	19.65
SDev	.0008	.004	.0014	.004	.0001	.0000	.03
%RSD	2.144	.2042	1.357	.4330	.1007	.1394	.1644
#1	.0394	2.088	.0984	1.027	.0963	.0103	19.62
#2	.0383	2.082	.1003	1.033	.0964	.0103	19.67

Errors High	LC Pass 1.000	LC Pass 100.0	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 100.0
Errors Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0103	.1012	.0413	.0311	.9489	20.55	.041

10540

SDev	.0002	.0002	.0002	.0008	.0068	.03	.0000
%RSD	1.644	.1535	.4537	2.237	.7171	.1483	.0763
#1	.0104	.1014	.0414	.0381	.9441	20.53	.0411
#2	.0102	.1011	.0411	.0369	.9537	20.57	.0411
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0684	.1005	.1038	.0982	.0808	.3213	.0976
SDev	.0089	.0003	.0003	.0031	.0092	.0188	.0060
%RSD	12.93	.3154	.2436	3.190	11.36	5.864	6.136
#1	.0622	.1007	.1036	.1005	.0744	.3346	.0934
#2	.0747	.1002	.1040	.0960	.0873	.3079	.1019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0407	.1061	.1057	.1026	.0851	.0785	21.78
SDev	.0004	.0006	.0000	.0004	.0032	.0121	.11
%RSD	.9675	.5734	.0404	.3910	3.786	15.45	.5192
#1	.0410	.1066	.1057	.1023	.0828	.0699	21.86
#2	.0405	.1057	.1056	.1029	.0873	.0871	21.70
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	21.58						
SDev	.01						
%RSD	.0619						
#1	21.59						
#2	21.57						
Errors	LC Pass						
High	50.00						
Low	-.5000						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
W/en	3/1.030	--	--	--	--	--	--
Avge	53635	--	--	--	--	--	--
SDev	112.4300	--	--	--	--	--	--
%RSD	.2096197	--	--	--	--	--	--

53556 -- -- -- -- --
 # 53715 -- -- -- -- --

Method: ICAP4HI Sample Name: A110159-1-L2 DIS1 Operator: SD
 Run Time: 11/15/00 20:14:59
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0394	2.084	.0990	1.075	.0965	.0103	19.69
SDev	.0018	.005	.0004	.001	.0000	.0000	.01
%RSD	4.574	.2174	.4036	.0704	.0207	.2171	.0258

#1	.0406	2.088	.0993	1.074	.0965	.0103	19.70
#2	.0381	2.081	.0987	1.075	.0964	.0103	19.69

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0102	.1015	.0413	.0311	.9625	20.56	.0412
SDev	.0001	.0011	.0001	.0009	.0001	.04	.0001
%RSD	1.136	1.060	.2904	2.430	.0149	.2065	.3738

#1	.0103	.1022	.0412	.0382	.9626	20.59	.0413
#2	.0101	.1007	.0414	.0369	.9624	20.53	.0411

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0794	.1021	.1046	.1011	.0855	.2974	.0988
SDev	.0076	.0001	.0009	.0056	.0093	.0146	.0031
%RSD	9.504	.1395	.8442	5.486	10.82	4.912	3.160

#1	.0741	.1022	.1052	.1050	.0790	.3077	.1010
#2	.0848	.1020	.1039	.0972	.0921	.2870	.0966

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn203/1	Zn203/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0406	.1057	.1049	.1041	.0895	.0833	21.76
SDev	.0001	.0004	.0052	.0039	.0082	.0098	.02
%RSD	.3258	.3485	4.913	3.745	9.115	11.78	.0929

#1	.0406	.1060	.1012	.1069	.0837	.0763	21.78
#2	.0407	.1055	.1085	.1014	.0952	.0902	21.75

110542

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7864
 Units ppm
 Avge 21.52
 SDev .02
 %RSD .1043

#1 21.51
 #2 21.54

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	53308	--	--	--	--	--	--
SDev	53.88099	--	--	--	--	--	--
%RSD	.1010756	--	--	--	--	--	--

#1 53270 -- -- -- -- -- --
 #2 53346 -- -- -- -- -- --

Method: LCAP4HI Sample Name: A110159-1 DIS1 Operator: SD
 Run Time: 11/15/00 20:20:14
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0473	.0095	.7244	.4238	-.0002	18.83
SDev	.0002	.0023	.0012	.0006	.0002	.0000	.01
%RSD	54.74	4.858	12.56	.0899	.0464	7.191	.0697

#1 -.0006 .0489 .0104 .7249 .4236 -.0002 18.83
 #2 -.0003 .0457 .0087 .7240 .4239 -.0002 18.82

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0003	-.0004	-.0012	-.0110	20.70	.0737
SDev	.0001	.0001	.0001	.0004	.0058	.01	.0000
%RSD	43.50	24.55	15.81	36.18	53.07	.0499	.0178

#1 -.0004 .0002 -.0004 -.0014 -.0069 20.71 .0737
 #2 -.0002 .0003 -.0004 -.0009 -.0151 20.69 .0737

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000

Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0112	.0005	.0020	-.0034	.0131	41.64	-.0040
SDev	.0018	.0000	.0004	.0015	.0020	.01	.0017
%RSD	16.04	6.788	22.55	45.41	15.61	.0203	41.88

#1	.0125	.0006	.0023	-.0044	.0145	41.65	-.0028
#2	.0099	.0005	.0017	-.0023	.0117	41.63	-.0052

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0023	.0010	.0023	.0090	.0149	44.16
SDev	.0000	.0002	.0002	.0006	.0007	.0027	.04
%RSD	8.740	10.51	22.59	24.75	7.809	18.17	.0933

#1	.0004	.0021	.0012	.0027	.0095	.0169	44.18
#2	.0004	.0024	.0008	.0019	.0085	.0130	44.13

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	3.077
SDev	.002
%RSD	.0545

#1	3.076
#2	3.078

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53373	--	--	--	--	--	--
SDev	17.39317	--	--	--	--	--	--
%RSD	.0325878	--	--	--	--	--	--
#1	53386	--	--	--	--	--	--
#2	53361	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110159-1-S1 U1S1 Operator: SD
 Run Time: 11/15/00 20:25:28
 Comment:

00544

Mode: CONC Corr. Factor: 1

Element	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0382	2.103	.1049	1.807	.5100	.0103	37.89
SD	.0007	.005	.0022	.001	.0002	.0000	.01
%RSD	1.898	.2401	2.074	.0641	.0382	.0515	.0213
#1	.0387	2.107	.1034	1.806	.5101	.0103	37.88
#2	.0377	2.100	.1064	1.808	.5099	.0103	37.89
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Element	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0101	.1007	.0417	.0316	.9594	41.07	.1131
SD	.0000	.0005	.0000	.0003	.0102	.00	.0000
%RSD	.1567	.4582	.0666	.8297	1.064	.0080	.0297
#1	.0101	.1010	.0417	.0382	.9521	41.07	.1131
#2	.0101	.1004	.0417	.0378	.9666	41.06	.1131
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Element	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0779	.1023	.1048	.1018	.0867	41.39	.0970
SD	.0075	.0000	.0010	.0055	.0117	.04	.0050
%RSD	9.674	.0142	.9379	5.428	13.54	.1057	5.209
#1	.0726	.1023	.1055	.1057	.0784	41.42	.1006
#2	.0832	.1023	.1042	.0979	.0950	41.36	.0934
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Element	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0416	.1097	.1068	.1036	.0895	.0851	65.39
SD	.0001	.0004	.0037	.0033	.0105	.0124	.05
%RSD	.3482	.3460	3.438	3.195	11.73	14.53	.0726
#1	.0415	.1100	.1042	.1060	.0821	.0763	65.35
#2	.0417	.1094	.1094	.1013	.0969	.0938	65.42
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Element	K_7664						
Units	ppm						
Avg	26.51						
SD	.02						

00545

%RSD .0829

26.50

#2 26.53

Errors LC Pass

High 50.00

Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	51478	--	--	--	--	--	--
SDev	2.334005	--	--	--	--	--	--
%RSD	.0045340	--	--	--	--	--	--
#1	51476	--	--	--	--	--	--
#2	51480	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110159-1-S2 DIS1 Operator: SD

Run time: 11/15/00 20:30:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0388	2.099	.1058	1.814	.5113	.0103	37.98
SDev	.0001	.001	.0008	.001	.0006	.0000	.02
%RSD	.3078	.0615	.7437	.0386	.1071	.2740	.0467

#1	.0387	2.098	.1063	1.815	.5109	.0103	37.99
#2	.0388	2.100	.1052	1.814	.5117	.0103	37.96

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0099	.1002	.0412	.0376	.9507	41.15	.1134
SDev	.0001	.0004	.0004	.0003	.0072	.05	.0001
%RSD	.5719	.4540	.9489	.6664	.7563	.1306	.1100

#1	.0100	.1005	.0415	.0378	.9456	41.19	.1135
#2	.0099	.0999	.0409	.0375	.9557	41.11	.1133

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0865	.1027	.1047	.1003	.0920	41.59	.0974
SDev	.0059	.0013	.0013	.0043	.0061	.01	.0071
%RSD	6.844	1.238	1.214	4.265	6.647	.0303	7.335

#1	.0823	.1036	.1038	.1033	.0877	41.58	.1024
#2	.0906	.1018	.1056	.0972	.0963	41.60	.0923
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0417	.1133	.1087	.1025	.0983	.0822	65.68
SDev	.0004	.0001	.0018	.0010	.0042	.0071	.10
%RSD	1.008	.1050	1.650	.9789	4.217	8.015	.1588

#1	.0420	.1134	.1074	.1017	.0954	.0835	65.61
#2	.0414	.1132	.1099	.1032	.1012	.0936	65.75
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	26.47
SDev	.04
%RSD	.1376

#1	26.45
#2	26.50

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	51268	--	--	--	--	--	--
SDev	13.78858	--	--	--	--	--	--
%RSD	.0268951	--	--	--	--	--	--
#1	51278	--	--	--	--	--	--
#2	51258	--	--	--	--	--	--

Method: LCAP4H1 Sample Name: A11009/-1 DIS1 Operator: SU
 Run Time: 11/15/00 20:35:58
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0450	.0030	.1676	.0337	-.0002	19.61
SDev	.0001	.0069	.0026	.0020	.0005	.0000	.02
%RSD	113.6	15.34	87.44	1.194	1.446	5.673	.1257
#1	-.0000	.0498	.0048	.1690	.0340	-.0002	19.63

#2	-.0002	.0401	.0011	.1662	.0334	-.0002	19.60
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0004	.0001	.0003	.0159	11.57	.0050
SDev	.0002	.0004	.0001	.0003	.0069	.04	.0001
%RSD	100.7	93.96	118.3	108.7	43.45	.3670	1.832
#1	-.0000	.0006	.0002	.0005	.0208	11.60	.0051
#2	-.0003	.0001	.0000	.0001	.0110	11.54	.0049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0094	.0002	.0004	-.0000	.0114	14.51	.0013
SDev	.0004	.0005	.0004	.0049	.0017	.03	.0029
%RSD	4.122	224.5	95.80	11520.	15.32	.2339	213.9
#1	.0096	-.0001	.0007	.0034	.0126	14.54	-.0007
#2	.0091	.0005	.0001	-.0035	.0101	14.49	.0034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	.0011	.0005	.0001	.0125	.0106	48.29
SDev	.0001	.0003	.0013	.0012	.0050	.0001	.06
%RSD	1.401	22.18	232.7	1017.	40.23	.9909	.1336
#1	.0038	.0013	-.0004	.0010	.0160	.0107	48.34
#2	.0039	.0010	.0014	-.0007	.0089	.0105	48.25
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	3.839						
SDev	.044						
%RSD	1.135						
#1	3.870						
#2	3.809						
Errors	LC Pass						
High	50.00						
Low	-.5000						

Inst	1	2	3	4	5	6	7
Counts		NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avgc	53470	---	---	---	---	---	---
SDev	171.4043	---	---	---	---	---	---
%RSD	.3205587	---	---	---	---	---	---
#1	53349	---	---	---	---	---	---
#2	53592	---	---	---	---	---	---

Method: ICP4HJ Sample Name: A110097-2 DIS1 Operator: SD
 Run Time: 11/15/00 20:41:12
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0003	.0438	.0008	.1985	.0330	-.0002	19.80
SDev	.0003	.0006	.0024	.0013	.0000	.0000	.00
%RSD	98.13	1.350	315.8	.6721	.1110	7.868	.0191
#1	-.0005	.0434	-.0009	.1995	.0330	-.0002	19.80
#2	-.0001	.0443	.0024	.1976	.0331	-.0002	19.79

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0001	.0001	-.0001	.0001	.0166	12.05	.0028
SDev	.0001	.0000	.0000	.0002	.0039	.00	.0000
%RSD	89.72	17.59	12.00	214.2	23.55	.0173	.7106
#1	-.0002	.0001	-.0001	-.0001	.0138	12.05	.0027
#2	-.0000	.0001	-.0001	.0003	.0193	12.05	.0028

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0029	.0005	.0012	.0012	.0053	14.32	-.0046
SDev	.0002	.0002	.0010	.0058	.0003	.01	.0027
%RSD	6.574	46.64	81.76	471.6	6.683	.0773	59.09
#1	.0028	.0006	.0005	-.0029	.0056	14.33	-.0065
#2	.0031	.0003	.0018	.0054	.0051	14.32	-.0027

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Ag	.0035	.0001	-.0013	.0022	.0057	.0049	52.65
	.0001	.0000	.0003	.0013	.0027	.0008	.00
%RSD	3.058	75.38	25.24	60.16	47.91	16.72	.0041
#1	.0034	.0000	-.0015	.0012	.0076	.0043	52.66
#2	.0036	.0001	-.0010	.0031	.0038	.0055	52.65
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge 3.798
 SDev .016
 %RSD .4153

#1 3.786
 #2 3.809

Errors LC Pass
 High 50.00
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
W. Len	371.030	--	--	--	--	--	--
Avge	52669	--	--	--	--	--	--
SDev	11.45458	--	--	--	--	--	--
%RSD	.0217480	--	--	--	--	--	--
#1	52678	--	--	--	--	--	--
#2	52661	--	--	--	--	--	--

Method: LCAP4HI Sample Name: A110097-3 DIS1 Operator: SD
 Run Time: 11/15/00 20:46:27
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0456	.0026	.1847	.0313	-.0002	18.65
SDev	.0005	.0020	.0010	.0007	.0000	.0000	.00
%RSD	145.1	4.475	37.26	.3954	.0358	17.72	.0156
#1	-.0000	.0441	.0033	.1842	.0313	-.0002	18.65
#2	.0006	.0470	.0019	.1852	.0313	-.0002	18.65

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem Cd2265 Co2286 Cr2677 Cu3247 Fe2714 Mg2790 Mn2576
 Units ppm ppm ppm ppm ppm ppm ppm
 Avge .0000 .0004 -.0003 .0003 .0278 11.58 .0034 00550

SDev	.0001	.0001	.0001	.0007	.0049	.01	.0000
%RSD	312.1	24.53	44.76	261.9	17.75	.1087	.3957
#1	-.0000	.0003	-.0002	-.0002	.0243	11.57	.0034
#2	.0001	.0004	-.0004	.0007	.0313	11.59	.0033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	-.0004	.0008	-.0011	.0001	14.57	-.0025
SDev	.0001	.0003	.0011	.0038	.0017	.00	.0009
%RSD	7.031	66.90	136.0	338.5	2964.	.0239	34.26
#1	.0018	-.0006	.0000	.0016	-.0011	14.57	-.0019
#2	.0016	-.0002	.0016	-.0038	.0012	14.56	-.0031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	.0006	-.0016	.0018	.0001	-.0002	52.17
SDev	.0001	.0001	.0005	.0019	.0004	.0027	.09
%RSD	3.433	7.206	32.57	106.0	258.9	1464.	.1768
#1	.0031	.0007	-.0013	.0005	.0004	-.0021	52.11
#2	.0033	.0006	-.0020	.0032	-.0001	.0017	52.24
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	3.934						
SDev	.024						
%RSD	.6226						
#1	3.916						
#2	3.951						
Errors	LC Pass						
High	50.00						
Low	-.5000						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
W/en	371.030	--	--	--	--	--	--
Avge	53302	--	--	--	--	--	--
SDev	76.58021	--	--	--	--	--	--
%RSD	.1436730	--	--	--	--	--	--

53356 -- -- -- -- --
 # 53248 -- -- -- -- --

Method: ICAP4HI Sample Name: A110097-4 DIS1 Operator: SU

Run Time: 11/15/00 20:51:42

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0018	.0018	.0007	-.0002	-.0002	.0342
SDev	.0002	.0012	.0028	.0013	.0001	.0000	.0202
%RSD	204.5	68.11	159.0	185.6	62.46	2.677	59.07

#1	.0000	.0009	.0037	.0016	-.0001	-.0002	.0484
#2	-.0002	.0026	-.0002	-.0002	-.0002	-.0002	.0199

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0002	-.0003	-.0016	-.0009	.0236	-.0003
SDev	.0001	.0000	.0000	.0002	.0012	.0108	.0000
%RSD	35.36	21.12	17.51	13.87	141.8	45.93	13.07

#1	-.0002	.0001	-.0003	-.0014	-.0017	.0312	-.0003
#2	-.0003	.0002	-.0002	-.0017	.0000	.0159	-.0003

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0013	.0009	-.0036	-.0003	.0128	.0001
SDev	.0001	.0000	.0003	.0023	.0007	.0158	.0023
%RSD	57.58	.7048	38.99	63.09	227.0	123.7	1838.

#1	.0002	-.0013	.0007	-.0020	-.0008	.0240	.0018
#2	.0004	-.0013	.0012	-.0052	.0002	.0016	-.0015

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0003	-.0000	.0011	-.0027	.0007	.4153
SDev	.0003	.0003	.0002	.0006	.0000	.0011	.1576
%RSD	79.60	91.58	5878.	56.45	.3154	159.6	37.96

#1	-.0005	-.0001	.0002	.0007	-.0027	-.0001	.5268
#2	-.0002	-.0005	-.0002	.0016	-.0027	.0015	.3038

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge .4397
 SDev .0385
 %RSD 8.748

#1 .4125
 #2 .4669

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	54026	--	--	--	--	--	--
SDev	92.06475	--	--	--	--	--	--
%RSD	.1704098	--	--	--	--	--	--

#1 53960
 #2 54091

Method: ICAP4HI Sample Name: A110097-5 DIS1 Operator: SD

Run Time: 11/15/00 20:56:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0349	.0040	.1860	.0318	-.0002	18.83
SDev	.0004	.0038	.0010	.0010	.0000	.0000	.00
%RSD	949.7	10.80	24.23	.5505	.0164	5.153	.0147

#1 .0003 .0311 .0033 .1867 .0318 -.0002 18.83
 #2 -.0003 .0322 .0047 .1853 .0318 -.0002 18.83

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0001	-.0002	-.0002	.0166	11.69	.0030
SDev	.0000	.0002	.0002	.0004	.0048	.01	.0000
%RSD	37.14	234.0	135.9	225.6	28.93	.1064	.2962

#1 -.0001 .0002 -.0000 .0001 .0200 11.70 .0030
 #2 -.0002 -.0000 -.0003 -.0004 .0132 11.68 .0030

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.0000553

Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	-.0002	.0002	-.0015	.0035	14.64	.0026
SDev	.0005	.0005	.0002	.0037	.0008	.01	.0031
%RSD	48.22	260.5	147.6	252.3	21.53	.0854	117.8

#1	.0015	.0002	.0003	.0012	.0041	14.64	.0004
#2	.0007	-.0006	-.0000	-.0041	.0030	14.65	.0048

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	.0003	.0003	-.0001	.0052	.0025	52.68
SDev	.0004	.0002	.0001	.0004	.0036	.0007	.06
%RSD	10.27	71.19	38.72	273.1	68.97	27.08	.1131

#1	.0038	.0005	.0002	.0001	.0077	.0020	52.72
#2	.0033	.0002	.0003	-.0004	.0027	.0030	52.64

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	3.974
SDev	.027
%RSD	.6709

#1	3.993
#2	3.955

Errors	LC Pass
High	50.00
Low	-.5000

INStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52716	--	--	--	--	--	--
SDev	137.2505	--	--	--	--	--	--
%RSD	.2603562	--	--	--	--	--	--
#1	52619	--	--	--	--	--	--
#2	52814	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCB1
 Run Time: 11/15/00 21:02:12
 Comment:

Operator: SU

00554

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	-.0015	.0008	.0017	-.0003	-.0002	.0328
SDev	.0000	.0021	.0003	.0001	.0001	.0000	.0185
%RSD	1.535	135.3	31.25	4.551	44.09	6.311	56.66
#1	-.0009	-.0001	.0010	.0018	-.0002	-.0002	.0457
#2	-.0009	-.0030	.0006	.0017	-.0004	-.0002	.0195
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0005	-.0007	-.0025	-.0151	.0158	-.0004
SDev	.0000	.0001	.0001	.0007	.0045	.0145	.0000
%RSD	3.723	12.03	16.38	30.30	30.10	91.66	4.867
#1	-.0004	-.0005	-.0006	-.0019	-.0119	.0261	-.0004
#2	-.0004	-.0004	-.0008	-.0030	-.0183	.0056	-.0004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	-.0006	-.0002	-.0070	-.0006	.0484	-.0043
SDev	.0001	.0001	.0001	.0074	.0010	.0196	.0004
%RSD	2.701	18.58	22.83	105.7	149.8	40.45	8.206
#1	.0024	-.0005	-.0002	-.0018	.0000	.0622	-.0040
#2	.0023	-.0007	-.0003	L-.0123	-.0013	.0345	-.0045
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0001	.0014	-.0013	.0029	-.0027	.3350
SDev	.0003	.0003	.0010	.0006	.0020	.0004	.1253
%RSD	40.40	251.1	73.06	47.81	67.02	16.92	37.41
#1	-.0004	.0003	.0007	-.0009	.0043	-.0023	.4236
#2	-.0008	-.0001	.0022	-.0018	.0015	-.0030	.2464
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	.4061						
SDev	.0071						

00555

%RSD 1.753

#1 .4011

#2 .4111

Errors LC Pass

High .5000

Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	51519	---	---	---	---	---	---
SDev	14.84924	---	---	---	---	---	---
%RSD	.0288227	---	---	---	---	---	---
#1	51530	---	---	---	---	---	---
#2	51509	---	---	---	---	---	---

Method: ICAP4HI Sample Name: CCV14

Operator: SD

Run Time: 11/15/00 21:07:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4785	-.0136	2.499	2.567	L2.365	2.517	-.0004
SDev	.0000	.0002	.001	.002	.000	.002	.0003
%RSD	.0020	1.491	.0360	.0597	.0157	.0946	67.31

#1	.4785	-.0135	2.498	2.565	L2.365	2.515	-.0002
#2	.4785	-.0138	2.500	2.568	L2.365	2.519	-.0006

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Low	LC Pass	NOCHECK
High	.5250		2.625	2.750	2.625	2.625	
Low	.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.594	2.529	2.528	2.434	.1992	-.0073	2.508
SDev	.004	.004	.003	.003	.0040	.0011	.002
%RSD	.1679	.1510	.1139	.1082	1.999	14.86	.0798

#1	2.591	2.526	2.526	2.433	.2020	-.0065	2.507
#2	2.597	2.532	2.530	2.436	.1964	-.0080	2.510

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.491	2.601	2.600	2.426	2.522	.1326	2.542
SDev	.033	.003	.013	.010	.067	.0022	.004
%RSD	1.334	.1244	.4969	.4311	2.664	1.651	.1644

#1	2.468	2.598	2.591	2.419	2.475	.1342	2.539
#2	2.515	2.603	2.609	2.433	2.570	.1311	2.544
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.488	2.612	2.572	2.614	2.525	2.521	51.60
SDev	.004	.004	.021	.009	.045	.079	.28
%RSD	.1580	.1437	.8019	.3462	1.765	3.115	.5438

#1	2.485	2.609	2.557	2.607	2.493	2.465	51.40
#2	2.491	2.614	2.586	2.620	2.556	2.577	51.79
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avge	25.86
SDev	.04
%RSD	.1611

#1	25.83
#2	25.89

Errors	LC Pass
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52408	--	--	--	--	--	--
SDev	16.12259	--	--	--	--	--	--
%RSD	.0307638	--	--	--	--	--	--
#1	52396	--	--	--	--	--	--
#2	52419	--	--	--	--	--	--

Method: ICP4HL Sample Name: CCV15
 Run Time: 11/15/00 21:12:43
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	50.30	.0190	.0041	.0026	.0039	52.35
SDev	.0000	.02	.0097	.0022	.0021	.0022	.07
%RSD	2.841	.0496	50.91	53.86	80.46	57.62	.1251
#1	.0008	50.32	.0259	.0057	.0041	.0055	52.00557

#2	.0008	50.29	.0122	.0025	.0011	.0023	52.39
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0041	.0046	.0027	51.65	H53.78	.0056
SDev	.0021	.0022	.0022	.0023	.07	.09	.0022
%RSD	88.14	52.97	48.32	84.40	.1327	.1635	38.16

#1	.0039	.0056	.0061	.0043	51.60	H53.72	.0071
#2	.0009	.0026	.0030	.0011	51.70	H53.84	.0041

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0317	.0038	.0040	.0028	.0513	87.55	.0030
SDev	.0114	.0019	.0003	.0006	.0208	.11	.0032
%RSD	35.87	50.43	7.258	21.27	40.44	.1289	106.8

#1	.0397	.0052	.0042	.0032	.0660	87.47	.0007
#2	.0236	.0025	.0038	.0024	.0367	87.63	.0052

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0054	.0080	.0376	-.0131	.0468	.0534	.2482
SDev	.0017	.0019	.0015	.0003	.0152	.0236	.0351
%RSD	31.10	24.11	4.058	2.505	32.40	44.14	14.13

#1	.0066	.0094	.0387	-.0133	.0575	.0700	.2234
#2	.0042	.0067	.0365	-.0128	.0361	.0367	.2730

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avge	.2642
SDev	.0802
%RSD	30.34

#1	.3209
#2	.2076

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Counts		NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	51073	---	---	---	---	---	---
SDev	25.66853	---	---	---	---	---	---
%RSD	.0502585	---	---	---	---	---	---
#1	51055	---	---	---	---	---	---
#2	51091	---	---	---	---	---	---

Method: ICAP4HI Sample Name: CCB1 Operator: SD
 Run Time: 11/15/00 21:17:59
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Aq3280	Al3082	As1890	H_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0885	.0033	.0028	.0001	.0001	.0874
SDev	.0001	.0435	.0023	.0000	.0001	.0001	.0464
%RSD	38.82	49.14	69.45	.4789	73.97	69.33	53.15

#1	-.0002	H.1193	H.0049	.0028	.0002	.0002	.1202
#2	-.0003	.0578	.0017	.0028	.0001	.0001	.0545

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0002	.0000	-.0016	H.0981	.0897	-.0000
SDev	.0001	.0002	.0004	.0000	.0606	.0472	.0001
%RSD	57.69	105.9	1431.	2.994	61.73	52.56	399.4

#1	.0001	.0003	-.0003	-.0016	H.1410	.1231	.0001
#2	.0001	.0000	.0003	-.0017	H.0553	.0564	-.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.0088	.0004	.0011	-.0047	H.0114	.1950	-.0003
SDev	.0009	.0002	.0000	.0019	.0003	.0851	.0028
%RSD	10.30	51.12	3.562	40.56	3.088	43.63	860.2

#1	H.0094	.0006	.0011	-.0061	H.0117	.2551	.0016
#2	H.0081	.0003	.0011	-.0034	H.0112	.1348	-.0023

Errors	LC High	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
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00559

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A	.0004	.0002	.0021	.0003	.0133	.0102	.4073
B	.0001	.0000	.0009	.0005	.0033	.0022	.0172
%RSD	24.29	11.71	42.64	151.5	24.54	21.25	4.222
#1	.0003	.0002	.0015	.0007	.0110	.0118	.4194
#2	.0004	.0002	.0027	-.0000	.0156	.0087	.3951
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge .4166
 SDev .0148
 %RSD 3.549

#1 .4062
 #2 .4271

Errors LC Pass
 High .5000
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Y	---	---	---	---	---	---	---
W. Len	371.030	---	---	---	---	---	---
Avge	51625	---	---	---	---	---	---
SDev	47.30710	---	---	---	---	---	---
%RSD	.0916365	---	---	---	---	---	---
#1	51658	---	---	---	---	---	---
#2	51591	---	---	---	---	---	---

Method: ICA4HL Sample Name: A110097-6 DIS1 Operator: SD
 Run Time: 11/15/00 21:23:14
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0422	.0039	H7.246	.0310	-.0001	86.13
SDev	.0005	.0006	.0006	.010	.0000	.0000	.14
%RSD	92.48	1.481	16.11	.1416	.0804	39.15	.1649
#1	.0002	.0426	.0034	H7.239	.0310	-.0001	86.03
#2	.0009	.0417	.0043	H7.253	.0310	-.0001	86.23

Errors LC Pass LC Pass LC Pass LC High LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0003	.0001	.0002	-.0221	46.10	.0029

0030

SDev	.0001	.0000	.0001	.0003	.0011	.09	.0000
%RSD	767.3	6.761	88.40	126.8	4.835	.1920	.6038
#1	-.0001	.0004	.0000	.0000	-.0229	46.04	.0029
#2	.0001	.0003	.0002	.0004	-.0214	46.16	.0029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0005	.0005	-.0000	.0053	14.67	.0005
SDev	.0005	.0002	.0002	.0025	.0021	.02	.0010
%RSD	29.40	33.93	48.30	21580.	40.07	.1166	206.0
#1	.0020	.0006	.0003	-.0018	.0068	14.66	-.0002
#2	.0013	.0004	.0007	.0017	.0038	14.68	.0012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0041	.0002	.0012	-.0001	.0062	.0046	H141.6
SDev	.0000	.0004	.0009	.0008	.0074	.0005	.4
%RSD	.7964	194.1	74.30	1314.	119.3	11.15	.2728
#1	.0041	.0005	.0018	-.0008	.0115	.0043	H141.3
#2	.0041	-.0001	.0006	.0005	.0010	.0050	H141.8
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	4.625						
SDev	.026						
%RSD	.5612						
#1	4.644						
#2	4.607						
Errors	LC Pass						
High	50.00						
Low	-.5000						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wlen	371.030	--	--	--	--	--	--
Avge	51365	--	--	--	--	--	--
SDev	32.66778	--	--	--	--	--	--
%RSD	.0635992	--	--	--	--	--	--

00561

51388 -- -- -- -- --
 # 51342 -- -- -- -- --

Method: ICAP4HI Sample Name: A110224-3 DIS1 Operator: SD

Run Time: 11/15/00 21:28:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	A13082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0244	.0261	1.153	.1586	-.0002	H553.1
SD	.0003	.0025	.0043	.006	.0001	.0000	1.1
%RSD	48.07	10.32	16.50	.5462	.0660	4.304	.2027
#1	-.0007	.0226	.0292	1.157	.1585	-.0002	H552.3
#2	-.0004	.0261	.0231	1.148	.1586	-.0002	H553.9

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0020	-.0009	-.0014	4.564	H1029.	4.113
SD	.0002	.0002	.0003	.0004	.015	1.	.005
%RSD	45.35	10.57	36.49	25.06	.3195	.1021	.1300
#1	-.0006	.0019	-.0011	-.0017	4.554	H1028.	4.109
#2	-.0003	.0022	-.0007	-.0012	4.575	H1030.	4.116

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063	.0137	.0017	.0162	.0072	26.25	.0055
SD	.0004	.0005	.0001	.0040	.0025	.15	.0008
%RSD	6.222	3.724	7.109	24.71	34.10	.5604	14.04
#1	.0066	.0133	.0016	.0134	.0090	26.14	.0060
#2	.0060	.0140	.0018	.0191	.0055	26.35	.0049

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	Zn196071	Zn196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0191	.0026	.0010	.0088	.0062	H670.3
SD	.0003	.0002	.0027	.0012	.0039	.0018	.3
%RSD	24.40	1.249	105.4	121.1	44.00	28.84	.0521
#1	.0011	.0193	.0007	.0018	.0115	.0074	H670.1
#2	.0015	.0190	.0046	.0001	.0060	.0049	H670.6

00562

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
H	5.000	5.000					100.0
L	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge H201.3
 SDev .8
 %RSD .3793

#1 H201.8
 #2 H200.7

Errors LC High
 High 50.00
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	47213	---	---	---	---	---	---
SDev	189.6482	---	---	---	---	---	---
%RSD	.4016856	---	---	---	---	---	---

#1 47347
 #2 47079

Method: LCAP4H1 Sample Name: A110224-4 DIS1 Operator: SD
 Run Time: 11/15/00 21:33:41
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	.0247	.0243	1.081	.1522	-.0002	H530.6
SDev	.0007	.0022	.0006	.001	.0001	.0000	.8
%RSD	50.70	8.779	2.679	.1210	.0511	1.190	.1415

#1 -.0008 .0262 .0247 1.082 .1522 -.0002 H531.1
 #2 -.0018 .0232 .0238 1.080 .1523 -.0002 H530.0

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0018	-.0022	-.0017	4.387	H968.7	3.910
SDev	.0001	.0005	.0005	.0010	.007	1.3	.000
%RSD	12.41	27.69	25.03	58.58	.1597	.1328	.0058

#1 -.0005 .0022 -.0018 -.0010 4.392 H969.6 3.909
 #2 -.0006 .0015 -.0025 -.0024 4.382 H967.8 3.910

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000

00563

Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Units	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Avge	.0037	.0141	.0017	.0102	.0028	26.14	.0056
SDev	.0005	.0003	.0001	.0023	.0018	.02	.0010
%RSD	13.07	2.124	5.213	22.25	66.26	.0926	17.36

#1	.0040	.0139	.0017	.0118	.0015	26.13	.0063
#2	.0033	.0144	.0016	.0086	.0041	26.16	.0049

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.1637	-.0023	.0034	.0069	.0004	H645.9
SDev	.0006	.0006	.0005	.0001	.0001	.0028	.3
%RSD	1175.	.3756	22.96	4.092	2.238	715.6	.0393

#1	.0005	.1642	-.0019	.0033	.0070	-.0016	H646.1
#2	-.0004	.1633	-.0027	.0035	.0068	.0024	H645.7

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	9.639
SDev	.164
%RSD	1.702

#1	9.755
#2	9.523

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
wavlen	371.030	---	---	---	---	---	---
Avge	46542	---	---	---	---	---	---
SDev	42.63909	---	---	---	---	---	---
%RSD	.0916151	---	---	---	---	---	---
#1	46511	---	---	---	---	---	---
#2	46572	---	---	---	---	---	---

Method: ICAP4HI Sample Name: A110159-2 DIS1 Operator: SD
 Run Time: 11/15/00 21:38:54
 Comment:

00564

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.1884	.0826	H5.654	.0026	-.0002	4.719
SDev	.0005	.0003	.0002	.001	.0001	.0000	.652
%RSD	50.85	.1795	.2269	.0200	4.634	2.707	13.81
#1	-.0012	.1881	.0825	H5.655	.0027	-.0002	5.179
#2	-.0006	.1886	.0827	H5.653	.0025	-.0002	4.258
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0004	.0007	-.0021	.2474	2.326	.0134
SDev	.0001	.0001	.0006	.0002	.0058	.950	.0045
%RSD	33.43	14.11	84.04	10.51	2.349	40.86	33.83
#1	-.0004	-.0004	.0003	-.0023	.2433	2.998	.0166
#2	-.0002	-.0004	.0011	-.0019	.2515	1.654	.0102
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0231	.0003	.0005	.0015	.0081	13.38	-.0020
SDev	.0017	.0005	.0004	.0026	.0001	.07	.0005
%RSD	7.359	165.6	79.12	180.7	1.856	.4999	25.07
#1	.0219	-.0000	.0002	-.0004	.0082	13.43	-.0016
#2	.0243	.0006	.0007	.0033	.0079	13.33	-.0023
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056	-.0005	.0043	-.0017	.0113	.0062	99.02
SDev	.0009	.0002	.0021	.0005	.0011	.0008	.27
%RSD	15.84	47.77	50.10	31.66	9.820	12.50	.2690
#1	.0050	-.0003	.0028	-.0013	.0105	.0068	99.21
#2	.0063	-.0006	.0058	-.0021	.0121	.0057	98.83
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	.7931						
SDev	.0051						

00565

%RSD .6412
 #1 .7895
 #2 .7967

Errors LC Pass
 High 50.00
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
AVge	52785	--	--	--	--	--	--
SDev	193.6782	--	--	--	--	--	--
%RSD	.3669221	--	--	--	--	--	--
#1	52648	--	--	--	--	--	--
#2	52922	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110159-3 DIS1 Operator: SD
 Run time: 11/15/00 21:44:08
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Ave	-.0000	.2831	.0042	2.980	.0014	-.0002	2.329
SDev	.0005	.0064	.0009	.003	.0001	.0000	.045
%RSD	140100.	2.258	20.39	.0950	7.493	2.978	1.940

#1	-.0004	.2876	.0048	2.978	.0013	-.0002	2.361
#2	.0004	.2785	.0036	2.982	.0014	-.0002	2.297

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Ave	-.0002	-.0002	.0006	-.0018	.5756	.3800	.0106
SDev	.0000	.0002	.0004	.0006	.0094	.0608	.0002
%RSD	4.503	131.6	66.08	33.32	1.626	15.99	2.279

#1	-.0002	-.0004	.0009	-.0022	.5690	.4230	.0108
#2	-.0002	-.0000	.0003	-.0014	.5822	.3371	.0105

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	I11908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Ave	.0052	-.0004	.0010	.0012	.0033	12.59	.0026
SDev	.0001	.0002	.0003	.0074	.0003	.07	.0029
%RSD	2.951	58.72	29.92	593.7	9.124	.5514	100.366

#1	.0053	-.0002	.0008	-.0040	.0031	12.64	.0006
#2	.0051	-.0005	.0012	.0065	.0035	12.54	.0046
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0006	.0033	-.0004	.0037	.0029	76.78
SDev	.0002	.0001	.0031	.0020	.0049	.0029	.30
%RSD	10.32	9.003	94.00	492.8	135.0	101.0	.3912

#1	.0019	.0005	.0055	-.0018	.0072	.0008	76.99
#2	.0016	.0006	.0011	.0010	.0002	.0049	76.56
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	.7787
SDev	.0368
%RSD	4.724

#1	.8047
#2	.7527

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53166	--	--	--	--	--	--
SDev	176.2823	--	--	--	--	--	--
%RSD	.3315705	--	--	--	--	--	--
#1	53041	--	--	--	--	--	--
#2	53291	--	--	--	--	--	--

Method: ICAP4HL Sample Name: A110159-4 DIST Operator: SD
 Run Time: 11/15/00 21:49:21
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0481	.0261	.1133	.8758	-.0002	15.51
SDev	.0005	.0024	.0019	.0045	.0011	.0000	.01
%RSD	212.8	5.004	7.384	3.978	.1229	4.738	.0843
#1	.0001	.0498	.0184	.1165	.8750	-.0002	15.51

#2	-.0006	.0464	.0275	.1101	.8765	-.0002	15.50
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0002	.0001	-.0017	.0372	12.70	.0576
SDev	.0001	.0003	.0005	.0006	.0062	.02	.0001
%RSD	57.94	150.3	378.6	35.13	16.80	.1545	.1878
#1	-.0003	.0004	.0005	-.0013	.0416	12.72	.0577
#2	-.0001	-.0000	-.0002	-.0022	.0327	12.69	.0576
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0192	.0013	.0004	.0191	.0111	38.12	-.0011
SDev	.0015	.0003	.0004	.0045	.0001	.01	.0009
%RSD	7.851	26.34	103.9	23.69	1.045	.0133	78.08
#1	.0181	.0011	.0001	.0223	.0110	38.13	-.0017
#2	.0202	.0016	.0007	.0159	.0112	38.12	-.0005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	-.0002	.0018	-.0005	.0155	.0086	24.10
SDev	.0003	.0002	.0008	.0010	.0024	.0014	.24
%RSD	24.82	119.0	46.05	195.6	15.81	16.17	.9778
#1	.0013	-.0000	.0023	-.0013	.0172	.0077	24.27
#2	.0009	-.0003	.0012	.0002	.0138	.0096	23.94
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	2.495						
SDev	.039						
%RSD	1.564						
#1	2.522						
#2	2.467						
Errors	LC Pass						
High	50.00						
Low	-.5000						

STD	1	2	3	4	5	6	7
M	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	53253	--	--	--	--	--	--
SDev	116.4599	--	--	--	--	--	--
%RSD	.2186936	--	--	--	--	--	--
#1	53170	--	--	--	--	--	--
#2	53335	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A110159-FB1 Operator: SD
 Run Time: 11/15/00 21:54:35
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	-.0017	-.0005	.0032	.0012	-.0002	.0249
SDev	.0008	.0056	.0014	.0019	.0010	.0000	.0171
%RSD	92.02	325.6	299.4	59.63	83.15	4.652	68.77
#1	-.0003	.0023	-.0015	.0046	.0019	-.0002	.0370
#2	-.0013	-.0057	.0005	.0019	.0005	-.0002	.0128

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0004	-.0005	-.0024	-.0135	.0238	-.0003
SDev	.0001	.0007	.0003	.0009	.0054	.0190	.0002
%RSD	35.85	187.9	60.31	36.70	40.35	79.89	56.96
#1	-.0001	.0001	-.0003	-.0018	-.0096	.0372	-.0002
#2	-.0002	-.0008	-.0007	-.0031	-.0173	.0104	-.0004

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pd2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	-.0011	.0007	-.0027	.0017	.1050	.0002
SDev	.0011	.0008	.0005	.0027	.0014	.0459	.0028
%RSD	54.40	65.98	77.36	101.4	86.66	43.72	1209.
#1	.0028	-.0006	.0011	-.0008	.0027	.1375	.0022
#2	.0013	-.0017	.0003	-.0046	.0006	.0726	-.0018

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A	-.0003	-.0013	.0014	.0001	.0050	-.0002	.1709
SL	.0005	.0001	.0001	.0008	.0008	.0025	.2440
%RSD	160.2	8.763	6.030	800.3	15.09	1182.	142.7
#1	.0000	-.0013	.0013	.0007	.0045	.0016	.3434
#2	-.0007	-.0014	.0014	-.0005	.0055	-.0020	-.0016
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge .4149
 SDev .0011
 %RSD .2610

#1 .4157
 #2 .4142

Errors LC Pass
 High 50.00
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avge	53867	--	--	--	--	--	--
SDev	187.9495	--	--	--	--	--	--
%RSD	.3489153	--	--	--	--	--	--
#1	53734	--	--	--	--	--	--
#2	54000	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A110224-FB1 Operator: SD
 Run Time: 11/15/00 21:59:48
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0091	.0002	.0017	-.0002	-.0002	-.0041
SDev	.0005	.0025	.0025	.0010	.0000	.0000	.0016
%RSD	98.11	27.56	1231.	58.54	8.089	2.314	39.66
#1	-.0008	.0073	-.0016	.0023	-.0002	-.0002	-.0029
#2	-.0001	.0108	.0020	.0010	-.0002	-.0002	-.0052

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	-.0004	-.0006	-.0032	-.0112	-.0004	-.00040570

SDev	.0001	.0001	.0002	.0001	.0053	.0009	.0000
%RSD	12.69	15.54	42.72	1.588	47.65	225.6	.0092
#1	-.0005	-.0004	-.0004	-.0033	-.0149	-.0010	-.0004
#2	-.0004	-.0005	-.0007	-.0032	-.0074	.0002	-.0004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	-.0013	.0003	-.0044	.0014	.0164	-.0014
SDev	.0003	.0003	.0000	.0026	.0024	.0036	.0005
%RSD	44.86	22.21	12.05	58.22	173.7	22.14	35.35

#1	-.0007	-.0015	.0003	-.0082	.0030	.0190	-.0017
#2	-.0004	-.0011	.0003	-.0026	-.0003	.0139	-.0010

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0004	.0020	-.0008	.0035	.0001	.2746
SDev	.0002	.0002	.0015	.0008	.0067	.0002	.0168
%RSD	73.30	46.35	72.43	99.86	194.3	156.3	6.116

#1	-.0002	-.0003	.0031	-.0014	.0082	.0002	.2627
#2	-.0005	-.0006	.0010	-.0002	-.0013	-.0000	.2865

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	.4454
SDev	.0528
%RSD	11.86

#1	.4827
#2	.4080

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wlen	371.030	--	--	--	--	--	--
Avge	54213	--	--	--	--	--	--
SDev	74.74622	--	--	--	--	--	--
%RSD	.1369528	--	--	--	--	--	--

54266 -- -- -- -- --
 # 54161 -- -- -- -- --

Method: ICAP4HI Sample Name: SIO2 BLK X10 939ICP1 Operator: SU

Run Time: 11/15/00 22:05:02

Comment:

Mode: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0523	4.954	-.1144	.5105	-.0334	-.0360	-.0698
SDev	.1666	1.664	.7306	.3277	.0288	.0035	.1673
%RSD	318.2	33.58	638.7	64.19	86.05	9.680	240.3

#1	.0654	6.130	.4022	.7422	-.0131	-.0336	.0487
#2	-.1701	3.777	-.6310	.2788	-.0538	-.0385	-.1879

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	2000.0	1000.0	1000.0	1000.0	1000.0	2000.0
Low	-.6000	-20.00	-2.000	-2.000	-6.000	-.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0566	-.0378	-.0480	-.5090	.1907	.0604	-.0580
SDev	.0003	.1278	.1346	.1585	1.337	.4132	.0040
%RSD	.5508	338.4	280.3	31.14	701.0	684.2	6.815

#1	-.0564	.0526	.0472	-.3969	1.136	.3525	-.0552
#2	-.0568	-.1281	-.1432	-.6211	-.7546	-.2318	-.0608

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.0	1000.0	1000.0	1000.0	2000.0	2000.0	1000.0
Low	-.2000	-1.000	-.6000	-2.000	-10.00	-10.00	-.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3675	-.1791	-.0512	-.1683	.0381	20.44	.1007
SDev	.0515	.0524	.0692	1.2390	.0488	1.49	1.017
%RSD	14.00	29.24	135.1	736.1	128.1	7.305	1009.0

#1	.3311	-.1421	-.0023	.7078	.0036	21.49	.8196
#2	.4039	-.2162	-.1001	-1.044	.0725	19.38	-.6182

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.0	1000.0	1000.0	1000.0	1000.0	34200.0	1000.0
Low	-.6000	-.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0281	.1323	.3161	-.2833	.0373	-.0072	72.31
SDev	.1697	.0784	.0492	.0748	.5978	.3723	49.02
%RSD	603.7	59.30	15.56	26.41	1601.0	5173.0	67.79

#1	.0919	.1877	.3509	-.2240	.4601	-.2705	107.0
#2	-.1481	.0768	.2749	-.3362	-.3854	.2561	37.65

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-.4000	-4.000					

Elem K_7664
 Units ppm
 Avge 87.80
 SDev 17.93
 %RSD 20.42

#1 100.5
 #2 75.12

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52606	--	--	--	--	--	--
SDev	370.1704	--	--	--	--	--	--
%RSD	.7036651	--	--	--	--	--	--
#1	52344	--	--	--	--	--	--
#2	52868	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A110107-4-S0 3050 Operator: SD

Run Time: 11/15/00 22:10:16

Comment:

Mode: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0301	.9097	.3675	.7108	-.0243	-.0359	.7313
SDev	.2836	1.323	.9557	.2368	.0494	.0079	.0772
%RSD	942.6	145.5	260.0	33.32	203.5	22.14	10.56

#1	-.1704	-.0260	-.3082	.5433	-.0592	-.0415	.6766
#2	.2306	1.845	1.043	.8783	.0107	-.0303	.7859

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-.6000	-20.00	-2.000	-2.000	-6.000	-.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0289	.0086	.0759	-.2936	.2201	.4136	-.0552
SDev	.0200	.1450	.0190	.2796	3.585	1.106	.0304
%RSD	69.27	1692.	33.43	95.25	1629.	267.5	55.07

#1	-.0431	-.0940	.0579	-.4913	-2.315	-.3687	-.0767
#2	-.0147	.1111	.0938	-.0958	2.755	1.196	-.0337

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000. 00573

Low	-.2000	-1.000	-.6000	-2.000	-10.00	-10.00	-.6000
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1941	.0569	.0895	.6763	.5868	4.511	-.7058
SDev	.1288	.1156	.2651	.7533	.1687	1.412	.1022
%RSD	66.34	203.2	296.1	111.4	28.75	31.30	14.48

#1	.1031	-.0184	-.0979	.1437	.7061	3.513	-.6335
#2	.2852	.1386	.2769	1.209	.4675	5.510	-.7780

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-.6000	-.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1016	.1115	.7329	-.2808	.5898	.5395	121.6
SDev	.0859	.0822	.6428	.7148	.4322	.0369	12.4
%RSD	84.53	73.70	87.71	254.6	73.28	6.848	10.20

#1	.0409	.0534	1.187	-.7863	.8954	.5656	112.9
#2	.1623	.1696	.2783	.2247	.2842	.5133	130.4

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-.4000	-4.000					

Elem	K_7664
Units	ppm
Avge	96.68
SDev	14.88
%RSD	15.39

#1	86.16
#2	107.2

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	52356	--	--	--	--	--	--
SDev	12.08987	--	--	--	--	--	--
%RSD	.0230919	--	--	--	--	--	--
#1	52347	--	--	--	--	--	--
#2	52364	--	--	--	--	--	--

Sample Name: CCB1
 Run Time: 11/15/00 22:15:29
 Comment:

Operator: SD

00574

Mode: CONC Corr. Factor: 1

Element	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0031	-.0002	.0026	-.0002	-.0002	-.0043
SDev	.0010	.0048	.0010	.0005	.0002	.0000	.0010
%RSD	316.0	154.8	587.4	20.37	109.7	18.60	22.49
#1	-.0010	-.0003	-.0009	.0022	-.0004	-.0002	-.0050
#2	.0004	.0065	.0005	.0029	-.0000	-.0002	-.0036
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Element	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0002	-.0004	-.0020	-.0037	-.0036	-.0004
SDev	.0002	.0007	.0003	.0011	.0176	.0047	.0001
%RSD	107.7	338.5	74.17	56.11	475.1	130.4	21.72
#1	-.0003	-.0007	-.0007	-.0028	-.0161	-.0070	-.0004
#2	-.0000	.0003	-.0002	-.0012	.0087	-.0003	-.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Element	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0010	-.0010	.0003	-.0079	.0031	.0253	-.0012
SDev	.0005	.0006	.0005	.0044	.0005	.0063	.0071
%RSD	45.64	61.25	155.2	55.60	14.88	25.01	591.5
#1	-.0007	-.0015	-.0000	L-.0110	.0027	.0208	-.0063
#2	-.0013	-.0006	.0007	-.0048	.0034	.0298	.0038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Element	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	-.0003	.0014	-.0005	.0004	.0041	.2169
SDev	.0008	.0001	.0029	.0023	.0036	.0025	.1948
%RSD	113.9	29.62	207.1	489.4	828.2	60.36	89.81
#1	-.0013	-.0004	.0035	-.0021	.0030	.0024	.0792
#2	-.0001	-.0003	-.0007	.0011	-.0021	.0059	.3546
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000
Element	K_/664						
Units	ppm						
Avg	.3407						
SDev	.0693						

%RSD 20.34

.2917
#2 .3897

Errors LC Pass
High .5000
Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	51474	--	--	--	--	--	--
SDev	31.18451	--	--	--	--	--	--
%RSD	.0605825	--	--	--	--	--	--
#1	51452	--	--	--	--	--	--
#2	51497	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCV16

Operator: SD

Run Time: 11/15/00 22:20:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4791	-.0090	2.499	2.594	L2.364	2.521	-.0030
SDev	.0008	.0064	.007	.002	.003	.001	.0005
%RSD	.1579	11.70	.2677	.0852	.1128	.0423	17.00

#1	.4796	-.0044	2.495	2.592	L2.362	2.521	-.0027
#2	.4786	-.0136	2.504	2.595	L2.366	2.522	-.0034

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Low	LC Pass	NOCHECK
High	.5250		2.625	2.750	2.625	2.625	
Low	.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.615	2.542	2.531	2.446	.2154	-.0030	2.513
SDev	.000	.000	.000	.000	.0107	.0033	.000
%RSD	.0023	.0143	.0156	.0004	4.966	111.9	.0115

#1	2.615	2.542	2.530	2.446	.2230	-.0006	2.512
#2	2.615	2.542	2.531	2.446	.2078	-.0053	2.513

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	111908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.491	H2.638	H2.629	2.431	2.539	.1343	2.538
SDev	.028	.004	.004	.007	.053	.0037	.014
%RSD	1.139	.1539	.1408	.3036	2.087	2.786	.5343

#1	2.471	H2.641	H2.627	2.437	2.501	.1370	2.548
#2	2.511	H2.635	H2.632	2.426	2.578	.1317	2.528
Errors High	LC Pass 2.625	LC High 2.625	LC High 2.625	LC Pass 2.625	LC Pass 2.625	NOCHECK	LC Pass 2.625
Errors Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.493	2.619	2.609	2.639	2.563	2.526	52.00
SDev	.001	.003	.001	.005	.021	.069	.11
%RSD	.0200	.0997	.0429	.1892	.8120	2.733	.2101

#1	2.493	2.621	2.608	2.636	2.549	2.478	52.07
#2	2.493	2.617	2.610	2.643	2.578	2.575	51.92
Errors High	LC Pass 2.625	LC Pass 2.625	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass 52.70
Errors Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avge	25.96
SDev	.08
%RSD	.3074

#1	26.02
#2	25.91

Errors High	LC Pass 26.25
Errors Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52415	--	--	--	--	--	--
SDev	100.1247	--	--	--	--	--	--
%RSD	.1910236	--	--	--	--	--	--
#1	52344	--	--	--	--	--	--
#2	52486	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: CCV17
 Run Time: 11/15/00 22:25:57
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	50.66	.0225	.0038	.0027	.0039	H52.55
SDev	.0001	.05	.0056	.0027	.0021	.0023	.07
%RSD	6.030	.0987	24.95	71.53	78.36	59.02	.1283
#1	.0009	50.62	.0264	.0057	.0042	.0056	H52.500577

#2	.0010	50.69	.0185	.0019	.0012	.0023	H52.60
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.0043	.0046	.0026	51.82	H53.84	.0056
SDev	.0023	.0021	.0022	.0017	.06	.07	.0023
%RSD	98.56	49.86	48.09	65.46	.1162	.1230	40.30

#1	.0040	.0058	.0061	.0038	51.78	H53.79	.0072
#2	.0007	.0028	.0030	.0014	51.87	H53.88	.0040

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0326	.0043	.0037	.0044	.0532	87.40	.0042
SDev	.0112	.0020	.0022	.0022	.0231	.22	.0028
%RSD	34.30	45.87	60.06	50.63	43.48	.2518	65.78

#1	.0405	.0057	.0052	.0059	.0696	87.24	.0062
#2	.0247	.0029	.0021	.0028	.0369	87.55	.0023

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0060	.0081	.0383	-.0139	.0496	.0548	.2563
SDev	.0025	.0022	.0037	.0015	.0251	.0222	.1855
%RSD	41.30	26.72	9.556	10.64	50.60	40.45	72.40

#1	.0078	.0096	.0409	-.0129	.0673	.0705	.3875
#2	.0043	.0065	.0357	-.0150	.0318	.0391	.1251

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avge	.3140
SDev	.0490
%RSD	15.60

#1	.3487
#2	.2794

Errors	NOCHECK
High	
Low	

Inst	1	2	3	4	5	6	7
Counts		NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
AVge	51160	--	--	--	--	--	--
SDev	185.4029	--	--	--	--	--	--
%RSD	.3624009	--	--	--	--	--	--
#1	51029	--	--	--	--	--	--
#2	51291	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: CCB1
 Run Time: 11/15/00 22:31:10
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	-.0002	.0865	H.0054	.0031	.0000	.0001	.0881
SDev	.0001	.0474	.0016	.0005	.0001	.0001	.0478
%RSD	52.07	54.72	29.52	17.57	308.4	122.4	54.22
#1	-.0001	H.1200	H.0043	.0035	.0001	.0001	.1219
#2	-.0003	.0530	H.0066	.0027	-.0000	.0000	.0544

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.0002	-.0001	.0000	-.0014	H.0994	.0902	-.0001
SDev	.0001	.0001	.0002	.0001	.0555	.0491	.0001
%RSD	37.63	58.13	503.6	4.910	55.84	54.46	192.4
#1	.0002	-.0001	.0002	-.0013	H.1387	.1249	.0000
#2	.0001	-.0002	-.0001	-.0014	H.0602	.0555	-.0002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	H.0077	-.0006	.0013	-.0003	H.0113	.1932	-.0041
SDev	.0015	.0008	.0009	.0028	.0032	.0839	.0036
%RSD	19.20	117.7	74.26	1019.	28.51	43.44	88.48
#1	H.0087	-.0001	.0006	-.0023	H.0135	.2525	-.0067
#2	H.0066	-.0012	.0020	.0017	.0090	.1338	-.0015

Errors	LC High	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302

00579

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Ag	.0003	-.0001	.0031	.0001	.0153	.0090	.4320
S	.0004	.0003	.0004	.0012	.0041	.0028	.0513
%RSD	128.0	255.8	13.01	1035.	26.81	30.69	11.87
#1	.0006	.0001	.0028	-.0007	.0182	.0110	.4682
#2	.0000	-.0003	.0034	.0010	.0060	.0071	.3957
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
AVge	.3787
SDev	.0404
%RSD	10.67

#1	.4072
#2	.3501

Errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
W. Len	Y	---	---	---	---	---	---
AVge	371.030	---	---	---	---	---	---
SDev	51697	---	---	---	---	---	---
%RSD	34.79186	---	---	---	---	---	---
#1	.0672997	---	---	---	---	---	---
#1	51672	---	---	---	---	---	---
#2	51722	---	---	---	---	---	---

Method: LCAP4H1 Sample Name: A110107-4-L1 X10 Operator: SD
 Run Time: 11/15/00 22:36:24
 Comment:
 Mode: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	18.15	218.1	20.93	108.2	99.30	21.26	1017.
SDev	2.71	35.7	3.49	17.0	16.18	3.48	164.
%RSD	14.95	16.38	16.65	15.70	16.30	16.37	16.08
#1	20.07	243.4	23.40	120.2	110.7	23.73	1133.
#2	16.23	192.8	18.47	96.19	87.86	18.80	901.6

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-.6000	-20.00	-2.000	-2.000	-6.000	-.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	10.83	20.83	21.46	20.00	213.4	1050.	21.46

SDev	1.76	3.31	3.53	3.23	33.7	169.	3.49
%RSD	16.25	15.90	16.47	16.16	15.80	16.11	16.27.
#1	12.08	23.17	23.96	22.29	237.2	1170.	23.93
#2	9.590	18.49	18.96	17.72	189.5	930.6	18.99
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-.2000	-1.000	-.6000	-2.000	-10.00	-10.00	-.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.80	21.41	110.1	19.07	22.27	92.73	103.0
SDev	2.80	3.45	16.9	3.11	2.83	14.81	15.9
%RSD	13.47	16.12	15.31	16.31	12.71	15.98	15.42
#1	22.78	23.85	122.1	21.26	24.27	103.2	114.3
#2	18.82	18.97	98.21	16.87	20.27	82.25	91.78

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-.6000	-.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.79	106.9	103.6	113.4	20.85	22.93	1137.
SDev	3.27	17.3	14.9	17.8	2.75	2.87	169.
%RSD	15.73	16.21	14.39	15.74	13.17	12.53	14.90
#1	23.10	119.1	114.1	126.0	22.79	24.96	1256.
#2	18.47	94.62	93.06	100.7	18.91	20.90	1017.

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-.4000	-4.000					

Elem	K_7664
Units	ppm
Avge	1011.
SDev	153.
%RSD	15.09

#1	1119.
#2	903.6

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wan	371.030	--	--	--	--	--	--
Avge	52006	--	--	--	--	--	--
SDev	137.2478	--	--	--	--	--	--
%RSD	.2639073	--	--	--	--	--	--

#1 51909 -- -- -- -- --
 #2 52103 -- -- -- -- --

Method: ICAP4H1 Sample Name: A110107-4-L2 x10 Operator: SD

Run Time: 11/15/00 22:41:38

Comment:

Mode: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.28	207.1	19.88	103.1	94.47	20.31	975.7
SDev	.44	5.5	.32	1.2	1.55	.39	17.1
%RSD	2.526	2.647	1.611	1.198	1.642	1.913	1.756
#1	17.59	211.0	20.11	103.9	95.57	20.58	987.8
#2	16.97	203.2	19.65	102.2	93.38	20.04	963.5

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-.6000	-20.00	-2.000	-2.000	-6.000	-.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.27	19.80	20.54	18.90	201.8	1004.	20.45
SDev	.20	.50	.46	.50	6.4	20.	.38
%RSD	1.943	2.520	2.256	2.622	3.175	2.006	1.836

#1	10.41	20.16	20.87	19.25	206.3	1018.	20.72
#2	10.13	19.45	20.22	18.55	197.3	989.6	20.19

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-.2000	-1.000	-.6000	-2.000	-10.00	-10.00	-.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.60	20.36	103.5	17.51	21.10	77.88	97.03
SDev	.12	.31	2.5	1.48	.01	2.19	2.15
%RSD	.6108	1.544	2.374	8.456	.0657	2.818	2.215

#1	19.69	20.58	105.3	18.56	21.09	79.43	98.55
#2	19.52	20.14	101.8	16.46	21.11	76.33	95.51

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-.6000	-.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.90	102.0	102.8	103.9	21.79	20.71	1102.
SDev	.44	1.9	.9	3.2	.20	.12	57.
%RSD	2.206	1.892	.8691	3.120	.9377	.5944	5.173

#1	20.21	103.4	103.4	106.1	21.93	20.62	1142.
#2	19.59	100.7	102.1	101.6	21.64	20.80	1061.

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-4.000	-4.000					

Elem K_7664
 Units ppm
 Avge 965.9
 SDev 19.1
 %RSD 1.982

#1 979.5
 #2 952.4

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52191	--	--	--	--	--	--
SDev	159.5244	--	--	--	--	--	--
%RSD	.3056567	--	--	--	--	--	--
#1	52078	--	--	--	--	--	--
#2	52304	--	--	--	--	--	--

Job: ICAP4H1 Sample Name: A11010/-4 X10 Operator: SD

Run Time: 11/15/00 22:46:51

Comment:

Mode: CONC Corr. Factor: 190

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.1204	4558.	2.739	2.698	54.83	-.0864	4054.
SDev	.0465	610.	.219	.326	7.29	.0203	516.
%RSD	38.61	13.38	8.002	12.08	13.30	23.48	12.72

#1 -.1533 4989. 2.894 2.929 59.99 -.0721 4419.
 #2 -.0875 4127. 2.584 2.468 49.67 -.1007 3689.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-.6000	-20.00	-2.000	-2.000	-6.000	-.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0263	6.390	29.10	14.06	10210.	4536.	191.6
SDev	.0085	.790	3.64	1.83	1318.	588.	24.5
%RSD	32.24	12.37	12.51	13.04	12.90	12.97	12.77

#1 .0203 6.948 31.68 15.36 11150. 4952. 208.9
 #2 .0322 5.831 26.53 12.77 9282. 4120. 174.3

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.

00583

Low	-1.2000	-1.000	-1.6000	-2.000	-10.00	-10.00	-1.6000
Elem	Mo2020	N12316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	2.591	41.86	7.411	-1.8627	2.109	279.6	.7961
SDev	.145	5.07	1.201	.3483	.813	36.8	.0550
%RSD	5.593	12.12	16.20	40.37	38.56	13.16	6.909

#1	2.694	45.45	8.261	-1.109	2.684	305.7	.7573
#2	2.489	38.27	6.562	-1.6164	1.534	253.6	.8350

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.6000	-1.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	18.84	100.3	9.858	6.139	2.259	1.993	155.9
SDev	2.45	12.7	1.558	1.026	.662	.889	.6
%RSD	13.02	12.69	15.80	16.72	29.32	44.59	.3960

#1	20.57	109.3	10.96	6.865	2.727	2.621	155.4
#2	17.11	91.30	8.756	5.413	1.790	1.364	156.3

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.4000	-4.000					

Elem	K_7664
Units	ppm
AVge	532.4
SDev	62.5
%RSD	11.73

#1	576.6
#2	488.3

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
AVge	54870	--	--	--	--	--	--
SDev	82.94418	--	--	--	--	--	--
%RSD	.1511653	--	--	--	--	--	--
#1	54811	--	--	--	--	--	--
#2	54929	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A11010/-4-S1 X10

Operator: SD

Run time: 11/15/00 22:52:05

Comment:

Mode: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.11	4901.	20.19	97.40	139.7	19.22	4820.
SDev	.01	2.	.46	.19	.0	.03	3.
%RSD	.0397	.0467	2.281	.1906	.0347	.1598	.0635
#1	17.11	4900.	19.86	97.27	139.7	19.20	4818.
#2	17.10	4903.	20.51	97.54	139.8	19.24	4822.
Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	200.0	20000.	1000.	1000.	1000.	1000.	20000.
	-.6000	-20.00	-2.000	-2.000	-6.000	-.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.843	25.58	49.35	33.15	10380.	5114.	195.8
SDev	.003	.04	.00	.00	9.	5.	.1
%RSD	.0352	.1591	.0026	.0021	.0827	.1055	.0459
#1	9.841	25.55	49.35	33.15	10370.	5110.	195.7
#2	9.846	25.61	49.35	33.15	10380.	5118.	195.9

Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	1000.	1000.	1000.	1000.	20000.	20000.	1000.
	-.2000	-1.000	-.6000	-2.000	-10.00	-10.00	-.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.32	62.17	104.3	2.674	18.84	483.1	91.10
SDev	.11	.07	.1	.659	.41	3.4	.19
%RSD	.6198	.1153	.1063	24.63	2.159	.6997	.1970
#1	18.24	62.22	104.2	2.208	18.56	480.7	91.23
#2	18.40	62.12	104.3	3.139	19.13	485.5	90.97

Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	1000.	1000.	1000.	1000.	1000.	34200.	1000.
	-.6000	-.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.30	200.3	106.3	103.2	19.35	18.55	1151.
SDev	.02	.3	.2	.3	.32	.45	1.
%RSD	.0530	.1508	.1806	.2540	1.644	2.433	.0997
#1	39.28	200.1	106.4	103.0	19.12	18.23	1150.
#2	39.31	200.5	106.2	103.4	19.57	18.87	1152.

Errors High	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Low	1000.	1000.					
	-.4000	-4.000					

Elem	K_7664
Units	ppm
Avg	1402.
SDev	.

%RSD .0272

1402.
#2 1402.

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
AVge	54626	--	--	--	--	--	--
SDev	6.786568	--	--	--	--	--	--
%RSD	.0124237	--	--	--	--	--	--
#1	54631	--	--	--	--	--	--
#2	54621	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A110107-4-S2 X10 Operator: SD

Run Time: 11/15/00 22:57:19

Comment:

Mode: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A	17.09	4831.	19.68	94.69	131.1	18.90	4607.
SDev	.11	.7	.53	.34	.1	.02	3.
%RSD	.6668	.1517	2.699	.3549	.0551	.1020	.0725

#1	17.01	4826.	19.31	94.92	131.2	18.91	4609.
#2	17.17	4836.	20.06	94.45	131.1	18.88	4604.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-.6000	-20.00	-2.000	-2.000	-6.000	-.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	9.712	25.12	48.92	33.31	10060.	4852.	187.1
SDev	.049	.02	.04	.01	9.	4.	.2
%RSD	.5000	.0711	.0789	.0189	.0937	.0815	.0976

#1	9.747	25.13	48.94	33.32	10070.	4854.	187.3
#2	9.678	25.11	48.89	33.31	10060.	4849.	187.0

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-.2000	-1.000	-.6000	-2.000	-10.00	-10.00	-.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A	17.99	56.32	102.8	1.989	18.55	408.3	90.59
SDev	.03	.37	.2	.195	.00	2.9	.75
%RSD	.1780	.6560	.1744	9.788	.0083	.7163	.8247

#1	17.97	56.58	102.9	1.851	18.55	406.3	90.06
#2	18.02	56.06	102.7	2.127	18.55	410.4	91.12
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-.6000	-.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	37.85	188.9	104.5	101.9	18.90	18.33	1103.
SDev	.04	.3	.4	.1	.32	.16	10.
%RSD	.1032	.1509	.3804	.0689	1.712	.8948	.9483

#1	37.82	189.1	104.8	102.0	19.13	18.21	1096.
#2	37.87	188.7	104.2	101.9	18.67	18.44	1110.

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-.4000	-4.000					

Elem	K_7664
Units	ppm
Avge	1312.
SDev	6.
%RSD	.4588

#1	1308.
#2	1316.

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	54686	--	--	--	--	--	--
SDev	76.36753	--	--	--	--	--	--
%RSD	.1396470	--	--	--	--	--	--

#1	54740	--	--	--	--	--	--
#2	54632	--	--	--	--	--	--

Method: LCAP4HI Sample Name: A11022/-1 X10

Operator: SD

Run Time: 11/15/00 23:02:33

Comment:

Mode: CONC Corr. Factor: 196

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.616	5357.	2.004	10.05	134.2	.0217	13760.
SDev	.019	2.	.119	.24	.0	.0133	12.
%RSD	.2526	.0457	5.935	2.413	.0164	61.31	.0854

#1	7.630	5356.	2.088	10.22	134.2	.0311	13770.
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#2	7.602	5359.	1.920	9.875	134.2	.0123	13750.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-.6000	-20.00	-2.000	-2.000	-6.000	-.4000	-10.00
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5612	2.946	12.70	155.3	3680.	2076.	92.02
SDev	.0361	.026	.13	.1	5.	4.	.16
%RSD	6.438	.8992	.9912	.0460	.1225	.2086	.1723
#1	.5867	2.965	12.78	155.2	3683.	2079.	92.13
#2	.5356	2.928	12.61	155.3	3677.	2073.	91.91
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-.2000	-1.000	-.6000	-2.000	-10.00	-10.00	-.6000
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.822	15.16	24.16	.3197	3.248	185.1	.7722
SDev	.009	.00	.12	.2084	.497	.7	.2960
%RSD	.1540	.0030	.4918	65.21	15.32	.3747	38.33
#1	5.816	15.17	24.24	.4671	2.896	184.7	.9814
#2	5.828	15.16	24.08	.1723	3.599	185.6	.5629
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-.6000	-.8000	-1.000	-3.000	-2.000	-100.0	-2.000
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.066	836.8	28.07	22.17	4.400	2.645	878.8
SDev	.082	1.2	.39	.02	.282	.605	37.3
%RSD	1.014	.1463	1.401	.0937	6.416	22.88	4.246
#1	8.124	837.6	28.35	22.16	4.200	2.217	905.2
#2	8.009	835.9	27.79	22.19	4.600	3.073	852.4
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-.4000	-4.000					
Elem	K_7664						
Units	ppm						
Avge	568.3						
SDev	2.9						
%RSD	.5016						
#1	570.3						
#2	566.3						
Errors	NOCHECK						
High							
Low							

INTStd	1	2	3	4	5	6	7
M	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
E	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
AVge	88693	--	--	--	--	--	--
SDev	239.9191	--	--	--	--	--	--
%RSD	.2705050	--	--	--	--	--	--
#1	88523	--	--	--	--	--	--
#2	88863	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A110228-1 X10 Operator: SD
 Run Time: 11/15/00 23:07:47
 Comment:
 Mode: CONC Corr. Factor: 198

Elem	Aq3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	7.603	5777.	1.736	.6994	131.0	.0072	6407.
SDev	.143	4.	.171	.0369	.2	.0005	4.
%RSD	1.882	.0636	9.867	5.281	.1610	6.642	.0571
#1	7.501	5774.	1.857	.6733	131.2	.0069	6410.
#2	7.704	5779.	1.615	.7255	130.9	.0075	6405.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-.6000	-20.00	-2.000	-2.000	-6.000	-.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.5447	1.314	7.069	141.7	6030.	1036.	159.4
SDev	.0080	.112	.037	.0	6.	1.	.1
%RSD	1.466	8.553	.5184	.0306	.1002	.0667	.0831
#1	.5390	1.234	7.043	141.7	6026.	1036.	159.3
#2	.5503	1.393	7.095	141.7	6034.	1037.	159.5

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-.2000	-1.000	-.6000	-2.000	-10.00	-10.00	-.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	2.780	8.537	12.83	-.2710	2.064	429.3	.0737
SDev	.242	.011	.02	.4522	.486	2.1	.1065
%RSD	8.688	.1278	.1484	166.9	23.53	.4825	144.5
#1	2.951	8.530	12.82	.0488	1.721	427.8	.1490
#2	2.609	8.545	12.85	-.5908	2.408	430.7	-.0016

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-.6000	-.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na380539
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Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	3.632	298.9	16.61	10.90	1.876	2.114	390.6
SDev	.002	.3	.46	.26	.215	.621	.8
%RSD	.0637	.1091	2.747	2.353	11.44	29.39	.2172
#1	3.634	299.2	16.93	10.72	1.724	1.675	391.2
#2	3.631	298.7	16.29	11.08	2.028	2.553	390.0

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-4.000	-4.000					

Elem	K_7664
Units	ppm
AVge	183.9
SDev	260.1
%RSD	141.4

#1	367.8
#2	.0000

Errors	NOCHECK
High	
Low	

INTStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
E	Y	--	--	--	--	--	--
W	en	--	--	--	--	--	--
AVge	371.030	--	--	--	--	--	--
SDev	53040	--	--	--	--	--	--
%RSD	270.2557	--	--	--	--	--	--
	.5095289	--	--	--	--	--	--
#1	53231	--	--	--	--	--	--
#2	52849	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: A110242-1 X10 Operator: SD
 Run Time: 11/15/00 23:13:01
 Comment:
 Mode: CONC Corr. Factor: 191

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	2.206	3240.	1.651	9.886	110.6	.0353	4963.
SDev	.261	402.	.573	1.070	13.3	.0076	574.
%RSD	11.82	12.41	34.69	10.82	12.02	21.51	11.57
#1	2.390	3524.	1.246	10.64	120.0	.0406	5369.
#2	2.021	2955.	2.056	9.129	101.2	.0299	4557.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-6.000	-20.00	-2.000	-2.000	-6.000	-4.000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AVge	.3259	1.132	6.354	67.32	4116.	834.3	111.5

SDev	.0270	.158	.664	8.21	492.	97.8	13.2
%RSD	8.293	13.95	10.44	12.19	11.94	11.72	11.83
#1	.3450	1.244	6.823	73.12	4464.	903.5	120.8
#2	.3068	1.020	5.884	61.52	3769.	765.1	102.2

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-.2000	-1.000	-.6000	-2.000	-10.00	-10.00	-.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.600	11.79	4.454	-.2116	1.932	232.9	.2256
SDev	.724	1.33	.434	.1780	.117	26.4	.8888
%RSD	9.526	11.30	9.740	84.14	6.043	11.33	393.9

#1	8.112	12.73	4.760	-.0857	1.849	251.6	-.4028
#2	7.088	10.85	4.147	-.3374	2.015	214.3	.8541

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-.6000	-.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.10	148.5	6.335	3.467	2.841	1.434	200.6
SDev	1.19	17.4	.174	.559	1.127	.388	283.6
%RSD	11.73	11.68	2.748	16.14	39.68	27.07	141.4

#1	10.94	160.8	6.458	3.862	2.044	1.708	401.1
#2	9.266	136.3	6.212	3.071	3.638	1.159	.0000

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-.4000	-4.000					

Elem	K_7664
Units	ppm
Avge	153.2
SDev	216.7
%RSD	141.4

#1	306.4
#2	.0000

Errors	NOCHECK
High	
Low	

INTStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
When	3/1.030	--	--	--	--	--	--
Avge	52318	--	--	--	--	--	--
SDev	337.9280	--	--	--	--	--	--
%RSD	.6459109	--	--	--	--	--	--

#1 52079 -- -- -- -- -- --
 # 52557 -- -- -- -- -- --

Method: ICAP4HI Sample Name: A110273-2 Operator: SD
 Run Time: 11/15/00 23:18:14
 Comment:
 Mode: CONC Corr. Factor: 122

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.714	1708.	37.93	534.6	13.71	-.0357	3185.
SDev	.2308	4.	.27	2.2	.04	.0089	2.
%RSD	134.6	.2159	.7215	.4191	.2901	24.84	.0539

#1	-.3346	1711.	37.74	533.0	13.74	-.0420	3184.
#2	-.0082	1706.	38.12	536.2	13.68	-.0294	3186.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0268	-.0449	.8255	12.83	302.9	1317.	4.750
SDev	.0344	.1419	.1813	.15	1.0	.	.045
%RSD	128.1	315.7	21.96	1.191	.3270	.0197	.9529

#1	-.0512	-.1453	.9537	12.72	303.6	1317.	4.782
#2	-.0025	.0554	.6974	12.94	302.2	1318.	4.718

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5258	.5170	2.017	-.0059	.1467	729.5	-1.374
SDev	.1639	.1832	.033	.3539	.1995	.4	.028
%RSD	31.18	35.44	1.654	6025.	135.9	.0574	2.060

#1	.6418	.6465	1.994	-.2561	.0057	729.8	-1.394
#2	.4099	.3874	2.041	.2444	.2878	729.2	-1.354

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.883	13.03	3.943	1.019	.1227	.1268	61.05
SDev	.227	.15	1.380	.740	1.263	.9308	86.34
%RSD	12.04	1.167	35.00	72.64	1030.	734.2	141.4

#1	2.043	13.14	4.919	.4955	1.016	-.5314	.0000
#2	1.722	12.92	2.967	1.542	-.7706	.7850	122.1

Elem	K_7664
Units	ppm
Avge	447.0
SDev	29.1
%RSD	6.520

#1	467.6
#2	426.4

Instd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	Y	--	--	--	--	--	--
Wt %	371.030	--	--	--	--	--	--
A	45746	--	--	--	--	--	--
SDev	102.4614	--	--	--	--	--	--
%RSD	.2239792	--	--	--	--	--	--
#1	45674	--	--	--	--	--	--
#2	45818	--	--	--	--	--	--

Method: ICP4HJ Sample Name: CCB1 Operator: SB
 Run Time: 11/15/00 23:23:28
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0285	H.0051	.0117	.0002	-.0002	.0521
SDev	.0005	.0182	.0004	.0056	.0003	.0000	.0330
%RSD	106.5	64.02	8.553	48.28	155.2	2.335	63.35

#1	-.0001	.0413	H.0054	.0156	.0004	-.0002	.0754
#2	-.0009	.0156	H.0048	.0077	-.0000	-.0002	.0288

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0002	-.0002	-.0009	.0100	.0171	-.0001
SDev	.0000	.0000	.0001	.0002	.0123	.0126	.0001
%RSD	16.19	5.700	53.97	27.55	123.4	73.92	198.6

#1	-.0002	-.0002	-.0001	-.0007	.0187	.0260	.0000
#2	-.0002	-.0002	-.0003	-.0011	.0013	.0082	-.0002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	-.0012	.0012	.0012	.0012	.0323	.0022
SDev	.0001	.0000	.0002	.0012	.0013	.0072	.0030
%RSD	18.80	.8177	14.68	105.0	105.5	22.40	132.6

#1	-.0004	-.0012	.0011	.0021	.0021	.0374	.0043
#2	-.0006	-.0012	.0014	.0003	.0003	.0272	.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0003	.0022	.0005	.0023	.0004	.3124
SDev	.0001	.0003	.0000	.0003	.0002	.0020	.0982

00593

%RSD	51.37	119.2	2.006	59.84	7.236	456.9	30.78
#1	-.0002	.0005	.0022	.0003	.0022	.0018	.3804
#2	-.0004	.0000	.0022	.0007	.0024	-.0010	.2444
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge .3614
 SDev .0134
 %RSD 3.705

#1 .3708
 #2 .3519

Errors LC Pass
 High .5000
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	51384	--	--	--	--	--	--
SDev	30.97183	--	--	--	--	--	--
%RSD	.0602752	--	--	--	--	--	--
#1	51406	--	--	--	--	--	--
#2	51362	--	--	--	--	--	--

Method: ICA4HI Sample Name: CCV18
 Run Time: 11/15/00 23:28:42
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4826	-.0122	2.504	2.549	2.374	2.519	.0035
SDev	.0005	.0042	.006	.004	.001	.003	.0039
%RSD	.1018	34.19	.2397	.1587	.0455	.1360	113.2

#1 .4822 -.0092 2.499 2.546 2.374 2.516 .0062
 #2 .4829 -.0151 2.508 2.552 2.375 2.521 .0007

Errors LC Pass NOCHECK LC Pass LC Pass LC Low LC Pass NOCHECK
 High .5250 2.625 2.750 2.625 2.625 2.625
 Low .4750 2.375 2.250 2.375 2.375

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.596	2.535	2.519	2.423	.2171	-.0029	2.506
SDev	.005	.005	.004	.003	.0042	.0026	.003
%RSD	.2082	.1976	.1648	.1127	1.936	88.81	.1213

00534

#1	2.592	2.531	2.516	2.421	.2201	-.0011	2.504
#2	2.599	2.538	2.522	2.425	.2142	-.0047	2.508
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.494	2.607	2.609	2.434	2.517	.1237	2.529
SDev	.031	.006	.006	.003	.059	.0044	.005
%HSD	1.234	.2433	.2367	.1166	2.331	3.589	.1995

#1	2.472	2.602	2.605	2.432	2.475	.1204	2.533
#2	2.516	2.611	2.613	2.436	2.558	.1205	2.526
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.482	2.596	2.598	2.614	2.529	2.511	52.13
SDev	.004	.006	.017	.001	.044	.066	.29
%HSD	.1610	.2329	.6494	.0325	1.745	2.626	.5609

#1	2.480	2.592	2.586	2.613	2.497	2.464	51.93
#2	2.485	2.600	2.610	2.615	2.560	2.557	52.34
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avge	25.83
SDev	.05
%HSD	.2102

#1	25.79
#2	25.87

Errors	LC Pass
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	52108	--	--	--	--	--	--
SDev	61.51829	--	--	--	--	--	--
%	.1180601	--	--	--	--	--	--
#1	52064	--	--	--	--	--	--
#2	52151	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CCV19

Operator: SU

Run Time: 11/15/00 23:33:56

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	50.78	.0224	.0051	.0030	.0043	H52.64
SDev	.0008	.02	.0087	.0031	.0024	.0025	.04
%RSD	111.9	.0404	38.65	61.20	81.06	57.15	.0712

#1	.0012	50.77	.0286	.0074	.0048	.0060	H52.62
#2	.0001	50.79	.0163	.0029	.0013	.0026	H52.67

Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027	.0046	.0050	.0032	51.65	H53.81	.0060
SDev	.0024	.0027	.0034	.0027	.00	.03	.0025
%RSD	88.94	60.25	66.90	84.23	.0090	.0491	41.74

#1	.0045	.0065	.0074	.0051	51.65	H53.83	.0077
#2	.0010	.0026	.0026	.0013	51.66	H53.79	.0042

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0316	.0045	.0041	.0028	.0498	87.01	.0055
SDev	.0122	.0024	.0015	.0002	.0181	.20	.0042
%RSD	38.59	53.95	37.35	5.857	36.30	.2278	77.47

#1	.0403	.0062	.0052	.0029	.0626	86.87	.0084
#2	.0230	.0028	.0030	.0027	.0370	87.15	.0025

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2062	Zn20371	Zn20372	Zn196071	Zn196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064	.0085	.0405	-.0144	.0499	.0495	.3095
SDev	.0030	.0023	.0070	.0012	.0185	.0179	.4579
%RSD	46.14	27.56	17.23	8.294	36.96	36.15	148.0

#1	.0085	.0101	.0455	-.0152	.0630	.0622	.6333
#2	.0043	.0068	.0356	-.0135	.0369	.0369	-.0143

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

00596

Elem K_7664
 Units ppm
 Avge .2912
 SDev .0221
 %RSD 7.572

#1 .3068
 #2 .2756

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	50801	--	--	--	--	--	--
SDev	176.0696	--	--	--	--	--	--
%RSD	.3465841	--	--	--	--	--	--
#1	50677	--	--	--	--	--	--
#2	50926	--	--	--	--	--	--

Method: ICAP4HI Sample Name: IC5A1

Operator: SD

Run Time: 11/15/00 23:39:10

Count:

Method: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	488.3	.0053	-.0433	-.0040	-.0005	473.2
SDev	.0003	.2	.0002	.0001	.0001	.0001	.7
%RSD	87.78	.0410	3.523	.1355	2.931	18.09	.1464
#1	.0001	488.2	.0052	-.0434	-.0039	-.0005	472.7
#2	.0006	488.5	.0055	-.0433	-.0040	-.0006	473.7

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0048	.0005	.0029	-.0044	192.5	545.1	.0096
SDev	.0002	.0002	.0004	.0001	.2	.8	.0001
%RSD	3.922	43.59	13.76	1.276	.1010	.1458	1.330
#1	-.0047	.0007	.0032	-.0043	192.4	544.6	.0097
#2	-.0049	.0004	.0026	-.0044	192.6	545.7	.0095

Errors NOCHECK NOCHECK NOCHECK NOCHECK LC Pass LC Pass NOCHECK
 High 240.0 600.0
 Low 160.0 400.0

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
------	--------	--------	--------	--------	--------	--------	--------

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A	.0049	.0018	-.0065	-.0039	.0208	.1863	.0041
S	.0025	.0003	.0002	.0022	.0011	.0890	.0016
%RSD	51.24	17.78	3.347	55.63	5.206	47.75	38.95

#1	.0066	.0020	-.0066	-.0054	.0215	.2492	.0053
#2	.0031	.0016	-.0063	-.0023	.0200	.1234	.0030

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem	V_2924	Zn2062	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0034	.0075	.3399	-.1799	.0417	.0100	.2256
SDev	.0002	.0001	.0011	.0009	.0039	.0003	.0897
%RSD	5.955	1.332	.3352	.4981	9.226	3.030	39.75

#1	.0035	.0074	.3407	-.1806	.0444	.0098	.2891
#2	.0032	.0076	.3391	-.1793	.0390	.0102	.1622

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem	K_7664
Units	ppm
A	-1.106
SDev	.031
%RSD	2.835

#1	-1.083
#2	-1.128

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	47869	--	--	--	--	--	--
SDev	113.7006	--	--	--	--	--	--
%RSD	.2375264	--	--	--	--	--	--
#1	47788	--	--	--	--	--	--
#2	47949	--	--	--	--	--	--

Method: LCAP4HI Sample Name: LCSAB1

Operator: SD

Run Time: 11/15/00 23:44:24

JOINT: NO CONC Corr. Factor: 1

Elem	Aq3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

00598

Avge	.0516	486.8	.0545	.5613	.0450	.0446	470.8
SDev	.0006	.1	.0005	.0015	.0001	.0000	.1
%RSD	1.239	.0116	.9689	.2762	.1291	.0603	.0168
#1	.0511	486.9	.0541	.5624	.0450	.0446	470.7
#2	.0520	486.8	.0548	.5602	.0451	.0446	470.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	600.1	.0600	.6600	.0600	.0600	600.1
Low	.0400	400.0	.0400	.4400	.0400	.0400	400.0
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0457	.0485	.0533	.0482	191.7	543.1	.0590
SDev	.0001	.0004	.0000	.0004	.1	.1	.0000
%RSD	.2685	.8943	.0424	.8339	.0529	.0100	.0576
#1	.0458	.0488	.0533	.0479	191.8	543.1	.0590
#2	.0456	.0482	.0533	.0484	191.7	543.2	.0590
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	.0600	.0600	.0600	240.1	600.1	.0600
Low	.0400	.0400	.0400	.0400	160.0	400.0	.0400
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0497	.0517	.0425	.0524	H.0602	.5999	.0522
SDev	.0010	.0006	.0001	.0017	.0010	.0037	.0019
%RSD	2.024	1.171	.1776	3.286	1.720	.6177	3.608
#1	.0489	.0513	.0425	.0537	.0595	.6025	.0444
#2	.0504	.0521	.0426	.0512	H.0609	.5973	.0535
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0600	.0600	.0600	.0600	.0600	.6480	.0600
Low	.0400	.0400	.0400	.0400	.0400	.4320	.0400
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0529	.0562	.3848	-.1289	.0812	.0494	12.49
SDev	.0006	.0001	.0066	.0032	.0055	.0012	.20
%RSD	1.080	.1705	1.721	2.498	6.831	2.424	1.566
#1	.0534	.0563	.3801	-.1202	.0773	.0503	12.35
#2	.0525	.0562	.3895	-.1312	.0851	.0486	12.63
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.0600	.0600					
Low	.0400	.0400					
Elem	K_7664						
Units	ppm						
Avge	8.036						
SDev	.014						
%RSD	.1705						
#1	8.046						

#2 8.027

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	48278	--	--	--	--	--	--
SDev	56.21435	--	--	--	--	--	--
%HSD	.1164403	--	--	--	--	--	--
#1	48318	--	--	--	--	--	--
#2	48238	--	--	--	--	--	--

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

TO-14

INVENTORY SHEET

Work Order #: 0010477

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Comments:

Completed by:

Barbara Jo Pappas
(Signature)

Barbara Jo Pappas / Document Control
(Print Name & Title)

11/13/00
(Date)

WORK ORDER #: 0010477

Work Order Summary

CLIENT: Ms. Kathleen Siebenmann
URS Corporation
2520 Venture Oaks Way, Suite 250
Sacramento, CA 95833

BILL TO: Mr. Scott Poquette
URS Corporation
2520 Venture Oaks Way, Suite 250
Sacramento, CA 95833

PHONE: 916-569-5506
FAX: 916-922-5008
DATE RECEIVED: 10/26/00
DATE COMPLETED: 11/8/00

P.O. #
PROJECT # 41F0059706.00.03201 IA Titan Missile Site

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC/PRES.</u>
01A	VP01	TO-14	9.0 "Hg
02A	VP02	TO-14	8.5 "Hg
03A	VP03	TO-14	7.5 "Hg
04A	VP04	TO-14	6.5 "Hg
05A	VP05	TO-14	2.5 "Hg
06A	VP06	TO-14	5.0 "Hg
07A	VP07	TO-14	5.0 "Hg
08A	VP08	TO-14	5.5 "Hg
09A	VP09	TO-14	6.5 "Hg
10A	VP10	TO-14	5.5 "Hg
11A	VP11	TO-14	4.5 "Hg
12A	VP12	TO-14	5.0 "Hg
13A	VP13	TO-14	4.5 "Hg
14A	VP14	TO-14	5.5 "Hg
15A	VP15	TO-14	4.0 "Hg
15AA	VP15 Duplicate	TO-14	4.0 "Hg
16A	Lab Blank	TO-14	NA
16B	Lab Blank	TO-14	NA
16C	Lab Blank	TO-14	NA
17A	LCS	TO-14	NA
17AA	LCSD	TO-14	NA
17B	LCS	TO-14	NA
17BB	LCSD	TO-14	NA
17C	LCS	TO-14	NA

CERTIFIED BY: Debbie Pearce
Laboratory Director

DATE: 11/10/00

Certification numbers: CA ELAP - 1149, NY ELAP - 11291, UT ELAP - E-217, AZ ELAP - AZ0567

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

WORK ORDER #: 0010477

Work Order Summary

CLIENT: Ms. Kathleen Siebenmann
URS Corporation
2520 Venture Oaks Way, Suite 250
Sacramento, CA 95833

BILL TO: Mr. Scott Poquette
URS Corporation
2520 Venture Oaks Way, Suite 250
Sacramento, CA 95833

PHONE: 916-569-5506

P.O. #

FAX: 916-922-5008

PROJECT # 41F0059706.00.03201 IA Titan Missile
Site

DATE RECEIVED: 10/26/00

DATE COMPLETED: 11/8/00

FRACTION # **NAME**
17CC LCSD

TEST
TO-14

RECEIPT
VAC./PRES.
NA

AMENDED 0003
2-15-01
59

**LABORATORY NARRATIVE
TO-14**

**URS Corporation
Workorder# 0010477**

Fifteen 6 Liter Summa Canister samples were received on October 26, 2000. The laboratory performed analysis via EPA Method TO-14 using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

During the five point calibration, two low-level standards are used. The low-level standard for TO-14 compounds is spiked at 0.5 ppbv and represents the reporting limit for these compounds. The low-level standard for the non-TO-14 compounds is spiked at 2.0 ppbv and represents the reporting limit for these compounds. The TO-14 compounds are present in both standards but are excluded from reporting in the 2.0 ppbv standard since a lower level is already included in the curve.

Method modifications taken to run these samples include:

Requirement	TO-14	ATL Modifications
Internal standard retention times.	Not specified.	Within 0.50 minutes of most recent daily CCV internal standards
Internal standard recoveries.	Not specified.	Within 40% of the daily CCV internal standard area for blanks and samples.
Internal standard retention times.	Not specified.	Within 0.50 minutes of most recent daily CCV internal standards
Internal calibration criteria.	Not specified.	RSD of 30% or less for standard compounds, 40% or less for non-standard and polar compounds
Continuing calibration verification criteria	Not specified.	70 - 130% for at least 90% of standard compounds, 60 - 140% for at least 80% of non-standard and polar compounds
Response factor for quantitation.	Average response factor (ICAL).	Average response factor (ICAL).

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

REISSUED ON 2/15/01 TO REPORT NOT DETECTED ON COMPOUNDS TETRACHLOROETHENE, ETHYL BENZENE, M,P-XYLENE AND O-XYLENE ON SAMPLE 07A AND COMPOUNDS ETHYL BENZENE, M,P-XYLENE AND O-XYLENE ON SAMPLE 09A.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit(background subtraction not performed).

AMENDED

0004

2-15-01

BJ

- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- N - The identification is based on presumptive evidence.

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Sample		Sample Extract		Sample Condition
				Date Extracted	Holding Time (Days)	Date Analyzed	Holding Time (Days)	
VP01	0010477-01A	10/26/2000	10/26/2000	NA	8	11/ 3/2000	NA	Good
VP02	0010477-02A	10/26/2000	10/26/2000	NA	8	11/ 3/2000	NA	Good
VP03	0010477-03A	10/26/2000	10/26/2000	NA	8	11/ 3/2000	NA	Good
VP04	0010477-04A	10/26/2000	10/26/2000	NA	8	11/ 3/2000	NA	Good
VP05	0010477-05A	10/26/2000	10/26/2000	NA	9	11/ 4/2000	NA	Good
VP06	0010477-06A	10/26/2000	10/26/2000	NA	9	11/ 4/2000	NA	Good
VP07	0010477-07A	10/26/2000	10/26/2000	NA	9	11/ 4/2000	NA	Good
VP08	0010477-08A	10/26/2000	10/26/2000	NA	8	11/ 3/2000	NA	Good
VP09	0010477-09A	10/26/2000	10/26/2000	NA	9	11/ 4/2000	NA	Good
VP10	0010477-10A	10/26/2000	10/26/2000	NA	9	11/ 4/2000	NA	Good
VP11	0010477-11A	10/26/2000	10/26/2000	NA	9	11/ 4/2000	NA	Good
VP12	0010477-12A	10/26/2000	10/26/2000	NA	8	11/ 3/2000	NA	Good
VP13	0010477-13A	10/26/2000	10/26/2000	NA	9	11/ 4/2000	NA	Good
VP14	0010477-14A	10/26/2000	10/26/2000	NA	9	11/ 4/2000	NA	Good
VP15	0010477-15A	10/26/2000	10/26/2000	NA	9	11/ 4/2000	NA	Good
VP15 Duplicate	0010477-15AA	10/26/2000	10/26/2000	NA	9	11/ 4/2000	NA	Good
Lab Blank	0010477-16A	NA	NA	NA	NA	11/ 3/2000	NA	Good
Lab Blank	0010477-16B	NA	NA	NA	NA	11/ 4/2000	NA	Good
Lab Blank	0010477-16C	NA	NA	NA	NA	11/ 4/2000	NA	Good
LCS	0010477-17A	NA	NA	NA	NA	11/ 3/2000	NA	Good
LCSD	0010477-17AA	NA	NA	NA	NA	11/ 3/2000	NA	Good
LCS	0010477-17B	NA	NA	NA	NA	11/ 4/2000	NA	Good
LCSD	0010477-17BB	NA	NA	NA	NA	11/ 4/2000	NA	Good
LCS	0010477-17C	NA	NA	NA	NA	11/ 4/2000	NA	Good
LCSD	0010477-17CC	NA	NA	NA	NA	11/ 4/2000	NA	Good

Sample Results and Raw Data

AIR TOXICS LTD.

SAMPLE NAME: VP01

ID#: 0010477-01A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	r110307	Date of Collection:	10/26/00
Oil Factor:	1.91	Date of Analysis:	11/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
1,1,1-Trichloroethane	0.96	5.3	Not Detected	Not Detected
Vinyl Chloride	0.96	2.5	Not Detected	Not Detected
Chloroethane	0.96	2.6	Not Detected	Not Detected
1,1-Dichloroethene	0.96	3.8	Not Detected	Not Detected
1,1-Dichloroethane	0.96	3.9	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.96	3.8	Not Detected	Not Detected
Benzene	0.96	3.1	1.7	5.6
1,2-Dichloroethane	0.96	3.9	Not Detected	Not Detected
Trichloroethene	0.96	5.2	0.34 J	1.8 J
Toluene	0.96	3.6	4.8	18
Tetrachloroethene	0.96	6.6	Not Detected	Not Detected
Ethyl Benzene	0.96	4.2	1.6	7.0
m,p-Xylene	0.96	4.2	6.0	27
o-Xylene	0.96	4.2	2.8	12

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	105	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /var/chem/msdr.i/r-03nov.b/r110307.d
 Lab Smp Id: 0010477-01A / Client Smp ID: VP01-
 Inj Date : 03-NOV-2000 12:55
 Operator : ML Inst ID: msdr.i
 Smp Info : 200mL Can#96114 /
 Misc Info : 9.0"Hg-5psi URS Corp. notics -
 Comment :
 Method : /var/chem/msdr.i/r-03nov.b/to141021.m
 Meth Date : 06-Nov-2000 10:10 thuang Quant Type: ISTD
 Cal Date : 25-OCT-2000 12:28 Cal File: r102507.d
 Als bottle: 1
 Dil Factor: 1.91000 /
 Integrator: HP RTE Compound Sublist: URSCorp.sub -
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

TH
11/6/00

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS										
RT	KP RT	RT (REL RT)	MASS	RESPONSE (PPBV)	ON-COL	FINAL	TARGET	RANGE	RATIO	SIMILARITY
..	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
* 66 Bromochloromethane CAS #: 74-97-5										
17.289	17.264	(1.000)	130	189865 25.0000			80.00-	120.00	100.00	8928(Q)
17.289	17.264	(0.000)	128	41416			28.35-	128.35	77.42	
17.289	17.264	(0.000)	49	71787			185.10-	285.10	134.19	

* 76 1,4-Difluorobenzene CAS #: 540-36-3										
18.475	18.478	(1.000)	114	822792 25.0000			80.00-	120.00	100.00	9581
18.475	18.478	(0.000)	88	38032			0.00-	66.64	17.58	

* 102 Chlorobenzene-d5 CAS #: 3114-55-4										
22.503	22.506	(1.000)	117	564250 25.0000			80.00-	120.00	100.00	(Q)
22.503	22.506	(1.000)	82	360536			0.00-	50.00	63.90	

§ 71 1,2-Dichloroethane-d4 CAS #: 17060-07-0										
18.034	18.037	(1.043)	65	384495 27.8470	27.847		80.00-	120.00	100.00	10000
18.034	18.037	(0.000)	67	57042			0.00-	50.00	46.41	

§ 86 Toluene-d8 CAS #: 2037-26-5										
20.434	20.437	(1.106)	98	743504 24.3099	24.310		80.00-	120.00	100.00	9951
20.434	20.437	(0.000)	70	31003			0.00-	61.22	11.97	

CONCENTRATIONS										
RT	EXP RT	(REL RT)	MASS	RESPONSE		CON-COL		TARGET RANGE	RATIO	SIMILARITY
				(PPBV)	(PPBV)	INITIAL	FINAL			
§ 86 Toluene-d8 (continued)										
20.434	20.437	(0.000)	100	174848				17.13- 117.13	67.49	

§ 114 Bromofluorobenzene										
						CAS #: 460-00-4				
24.214	24.217	(1.076)	95	448104	26.3609	26.361		80.00- 120.00	100.00	8184
24.214	24.217	(0.000)	174	99336				23.59- 123.59	64.73	
24.214	24.217	(0.000)	176	100544				20.52- 120.52	65.51	

72 Benzene										
						CAS #: 71-43-2				
18.061	18.064	(0.978)	78	39425	0.90892	1.736		80.00- 120.00	100.00	4867
18.061	18.064	(0.000)	77	2189				0.00- 72.74	17.58	

77 Trichloroethene										
						CAS #: 79-01-6				
18.861	18.864	(1.021)	95	3408	0.17803	0.3400		80.00- 120.00	100.00	7969(a) J
18.861	18.864	(0.000)	130	688				62.04- 162.04	86.54	
18.861	18.864	(0.000)	97	479				13.35- 113.35	60.25	

87 Toluene										
						CAS #: 108-88-3				
20.544	20.520	(1.112)	91	133579	2.53428	4.840		80.00- 120.00	100.00	8255
20.544	20.520	(0.000)	92	22408				9.87- 109.87	64.25	

Ethyl Benzene										
						CAS #: 100-41-4				
22.586	22.589	(1.004)	106	16398	0.82702	1.580		80.00- 120.00	100.00	(Q)
22.586	22.589	(1.004)	91	52696				0.00- 50.00	321.36	

107 m,p-Xylene										
						CAS #: 108-38-3				
22.751	22.755	(1.011)	106	73999	3.16819	6.051		80.00- 120.00	100.00	(Q)
22.751	22.755	(1.011)	91	164735				0.00- 50.00	222.62	

110 o-Xylene										
						CAS #: 95-47-6				
23.358	23.362	(1.038)	106	33053	1.47192	2.811		80.00- 120.00	100.00	9087
23.358	23.362	(0.000)	91	22830				176.01- 276.01	211.49	

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Air Toxics.Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdr.i
Lab File ID: r110307.d
Lab Smp Id: 0010477-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: ML

Calibration Date: 03-NOV-2000
Calibration Time: 08:40
Client Smp ID: VP01
Level: LOW
Sample Type: AIR

Method File: /var/chem/msdr.i/r-03nov.b/to141021.m
Misc Info: 9.0"Hg-5psi URS Corp. notics

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
66 Bromochloromethan	220849	132509	309189	189865	-14.03
76 1,4-Difluorobenze	972433	583460	1361406	822792	-15.39
102 Chlorobenzene-d5	695499	417299	973699	564250	-18.87

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
66 Bromochloromethan	17.26	16.76	17.76	17.29	0.14
76 1,4-Difluorobenze	18.48	17.98	18.98	18.48	-0.02
102 Chlorobenzene-d5	22.51	22.01	23.01	22.50	-0.01

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: r-03nov
Sample Matrix: GAS	Fraction: VOA
Lab Smp Id: 0010477-01A	Client Smp ID: VP01
Level: LOW	Operator: ML
Data Type: MS DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: URSCorp.sub	
Method File: /var/chem/msdr.i/r-03nov.b/to141021.m	
Misc Info: 9.0"Hg-5psi URS Corp. notices	

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 71 1,2-Dichloroethane	25.000	27.847	111.39	70-130
\$ 86 Toluene-d8	25.000	24.310	97.24	70-130
\$ 114 Bromofluorobenzene	25.000	26.361	105.44	70-130

130
130
130

0012

Data File: /var/chem/asdr.i/r-03nov.b/r110307.d

Data File: /var/chem/asdr.i/r-03nov.b/r110307.d

Page 5

Date : 03-NOV-2000 12:55

Client ID: VP01

Instrument: asdr.i

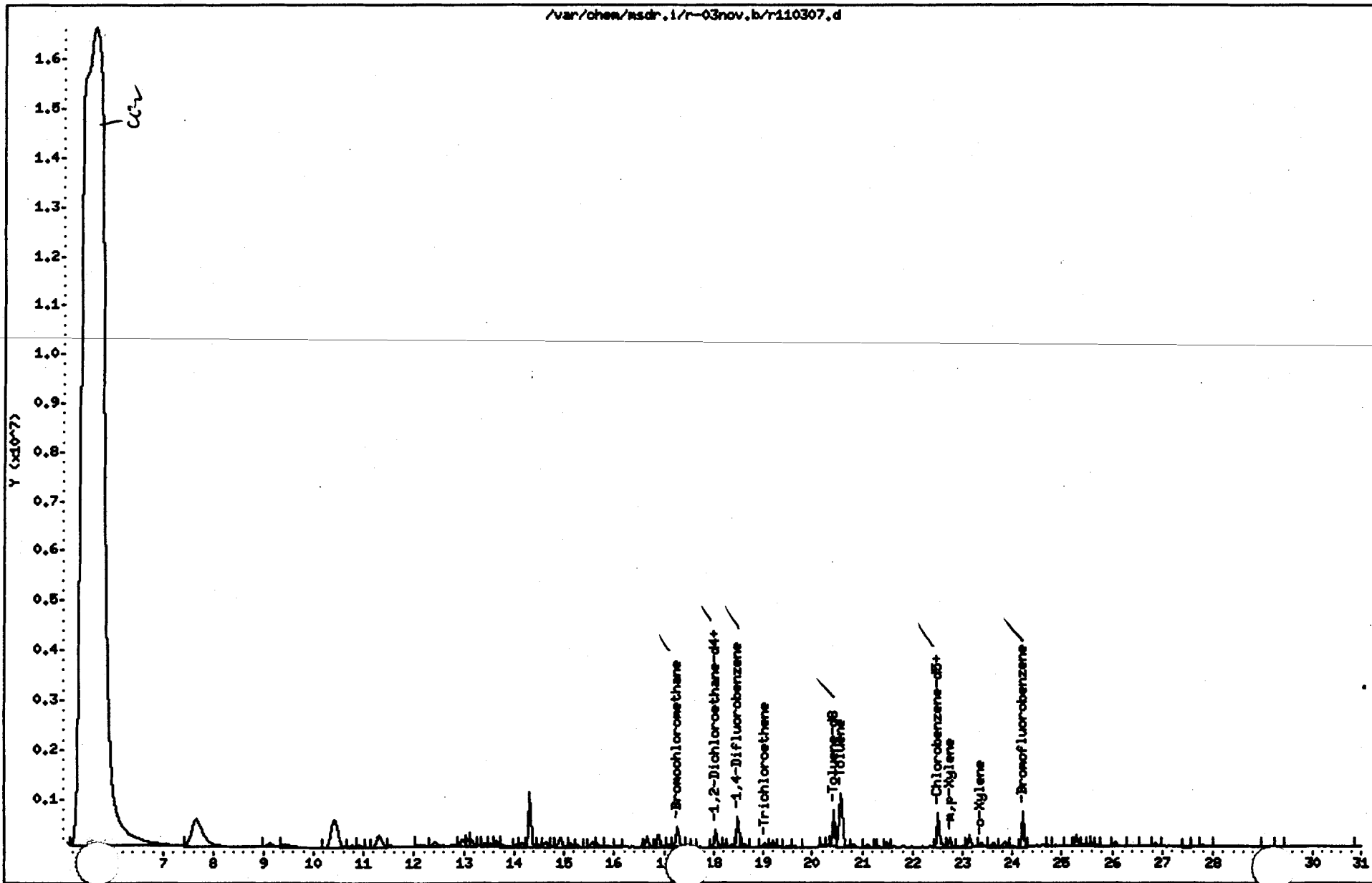
Sample Info: 200mL Can#96114

Operator: HL

Column phase: RTX-624

Column diameter: 0.53

/var/chem/asdr.i/r-03nov.b/r110307.d



Data File: /var/chem/msdr.i/r-03nov.b/r110307.d

Page 6

Date : 03-NOV-2000 12:55

Client ID: VP01

Instrument: msdr.i

Sample Info: 200mL Can#96114

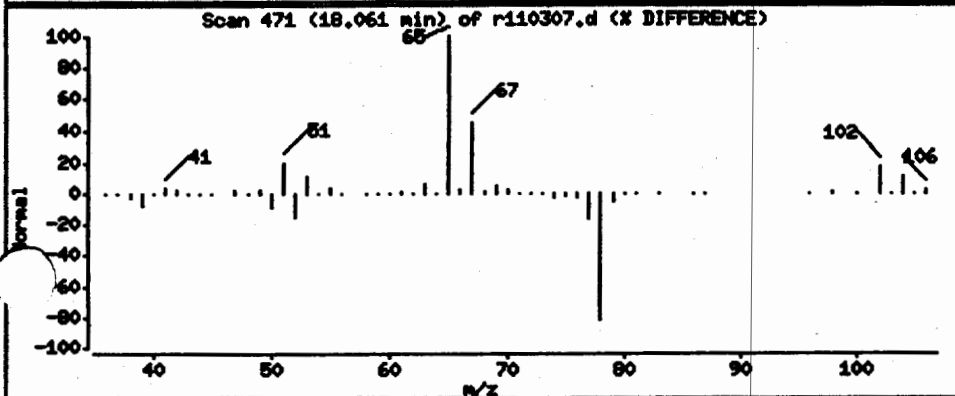
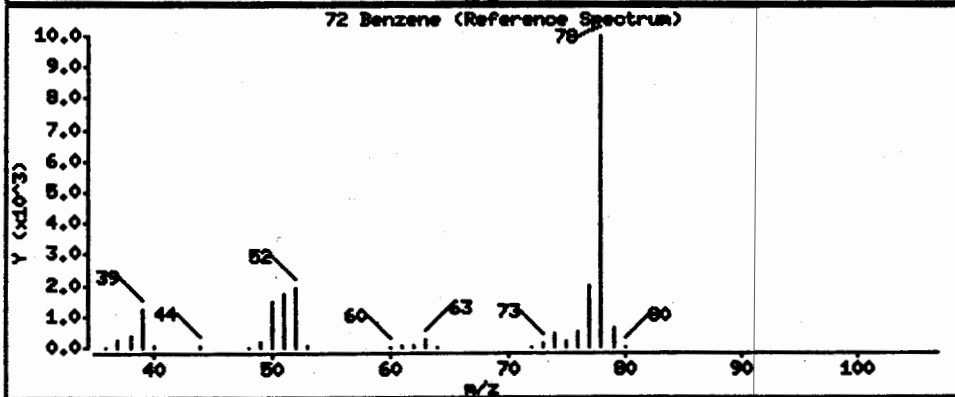
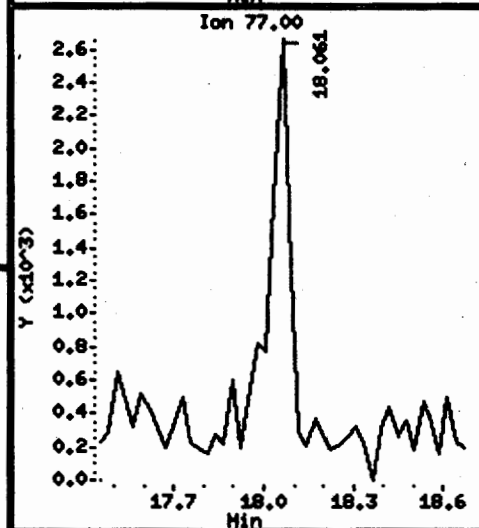
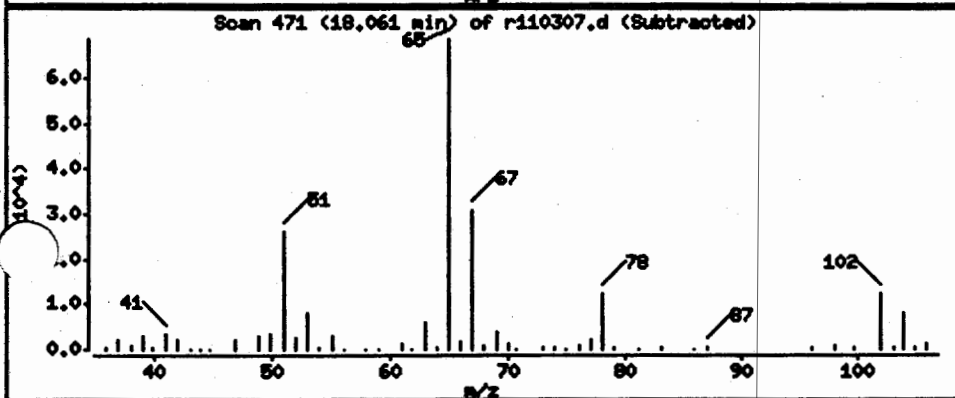
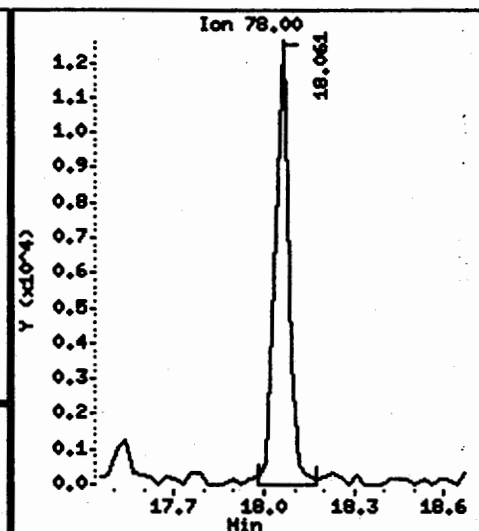
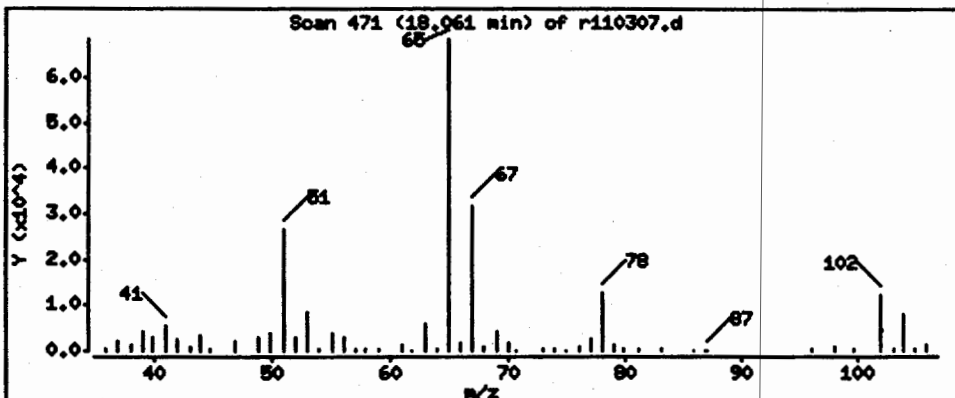
Operator: HL

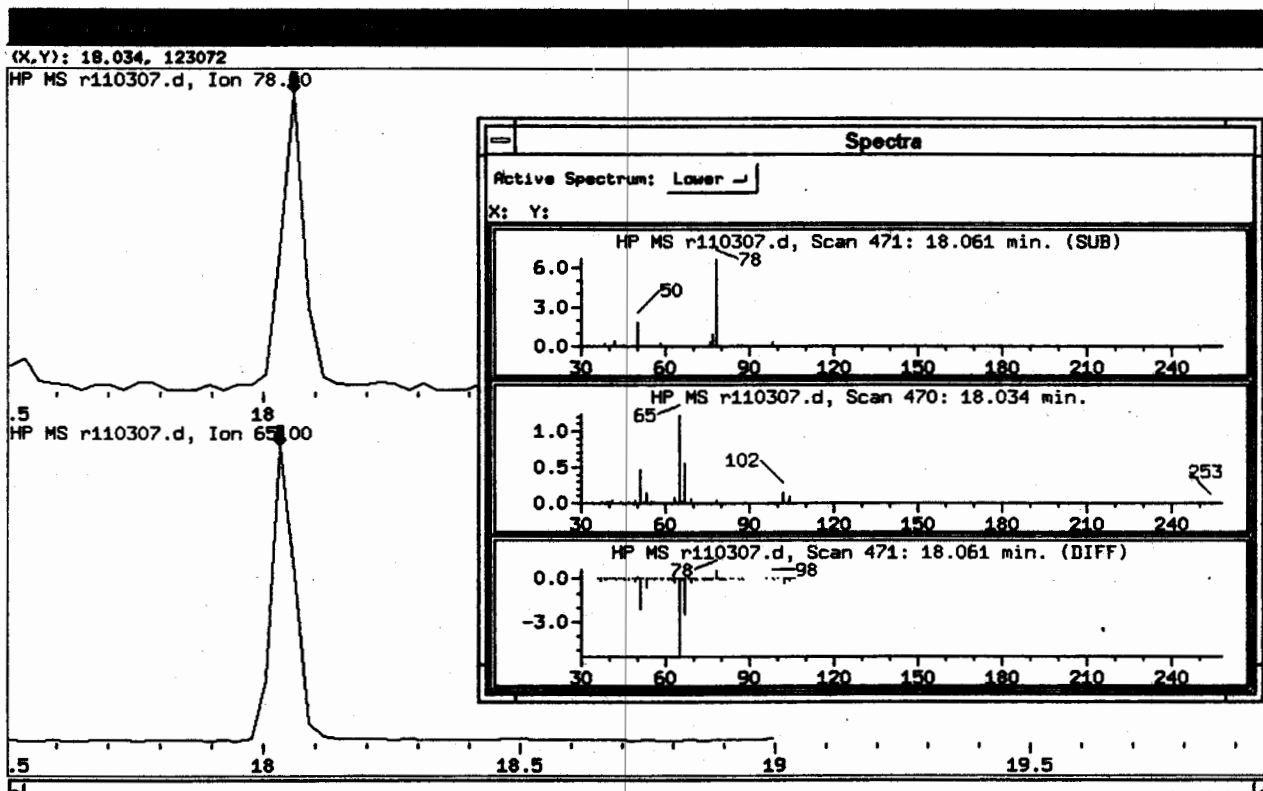
Column phase: RTX-624

Column diameter: 0.53

72 Benzene

Concentration: 1.736 PPBV





Benzene
TH
4/6/00

Data File: /var/chew/msdr.1/r-03nov.b/r110307.d

Page 7

Date: 03-NOV-2000 12:55

Client ID: VP01

Instrument: msdr.1

Sample Info: 200mL Can#96114

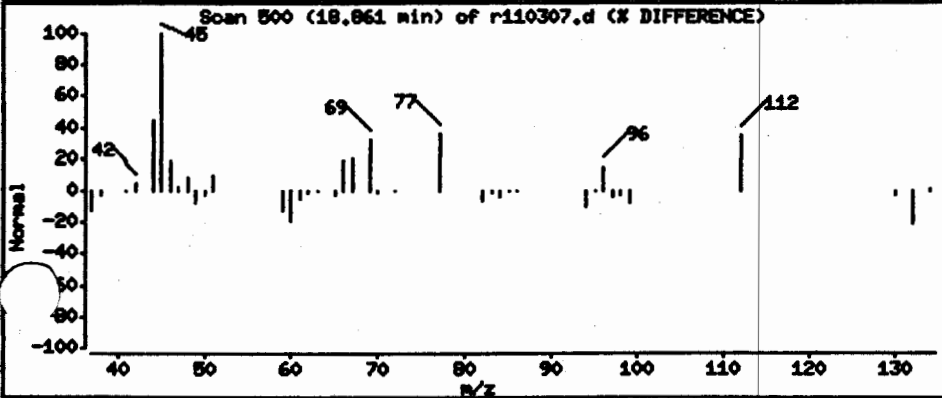
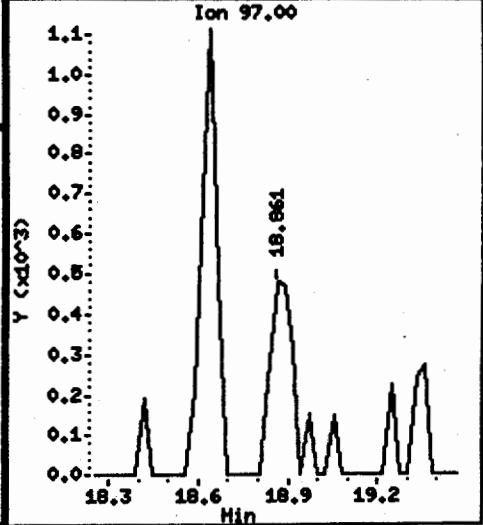
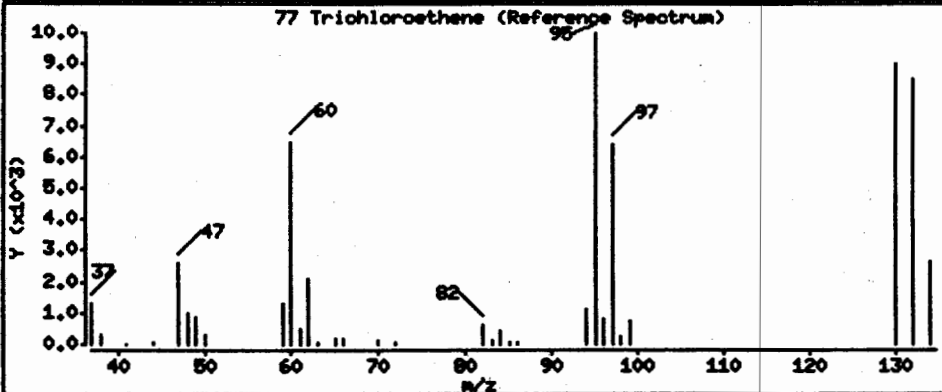
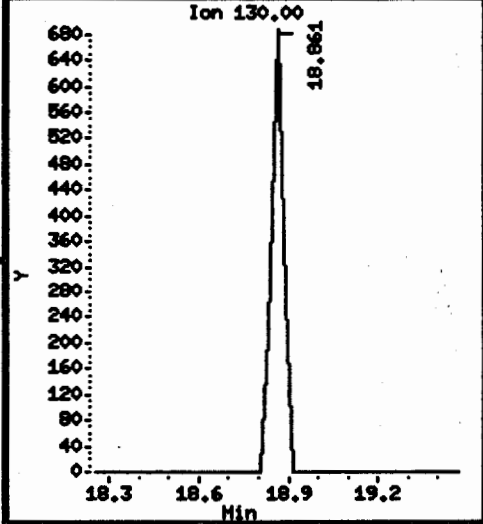
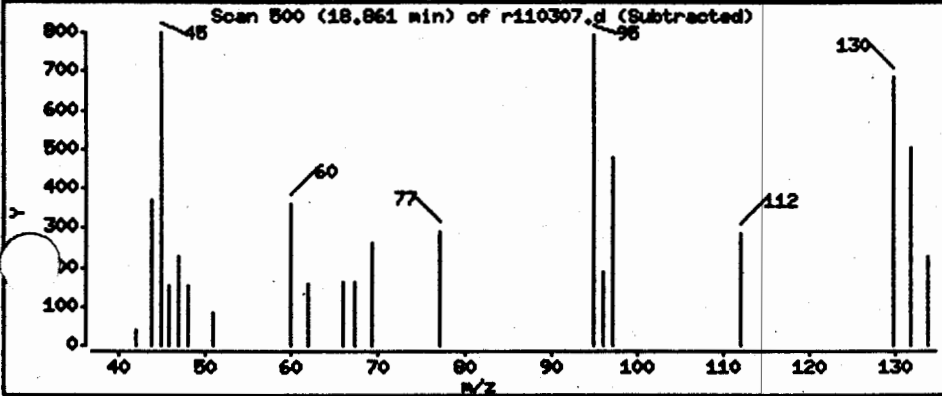
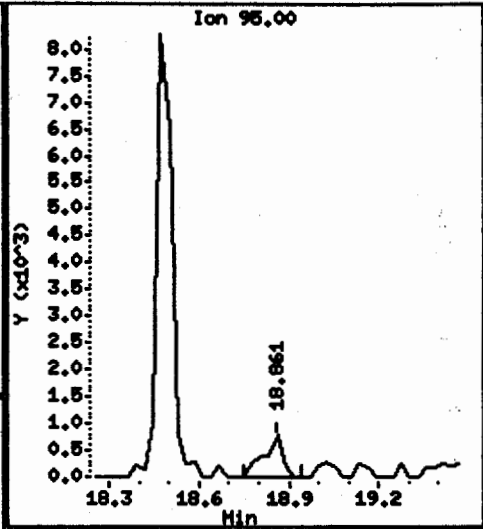
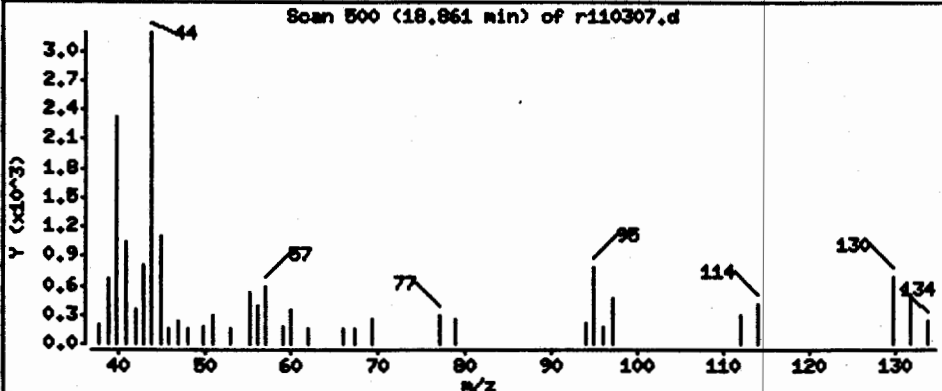
Operator: HL

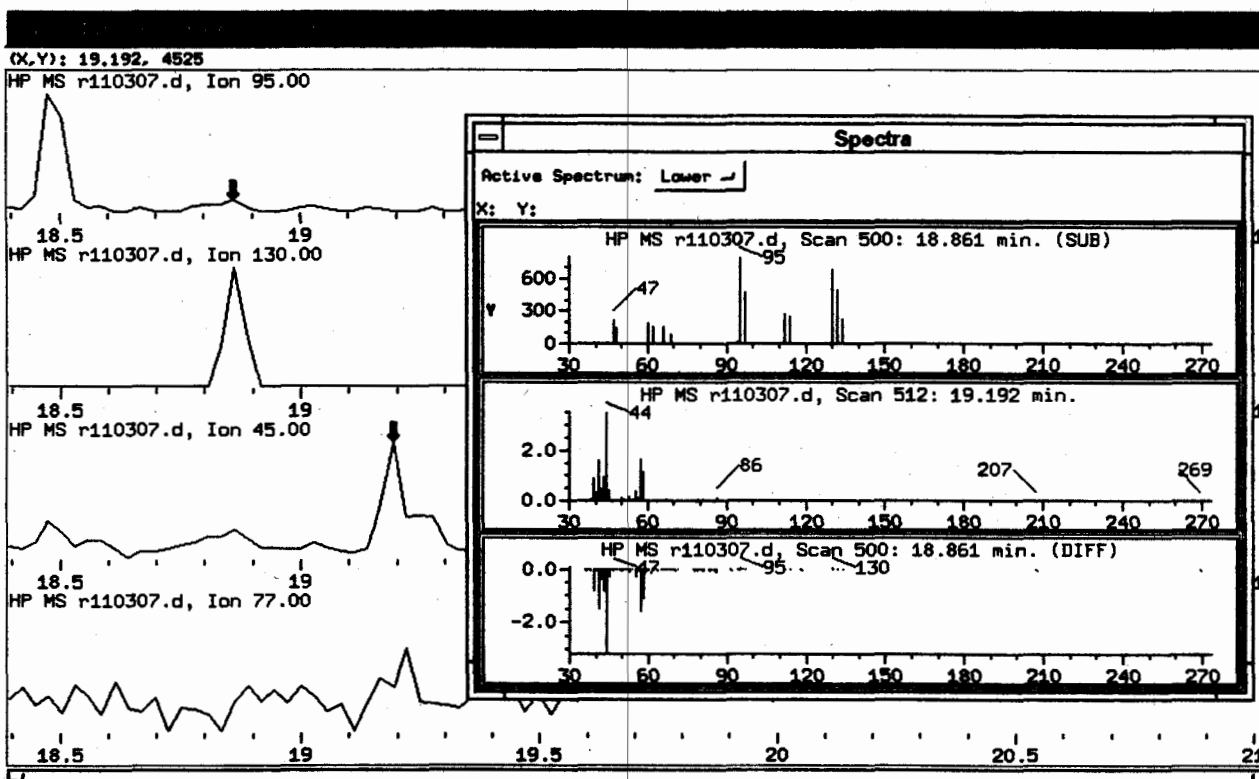
Column phase: RTX-624

Column diameter: 0.53

77 Trichloroethene

Concentration: 0.3400 PPBV





Trichloroethene

Data File: /var/chem/msdr.1/r-03nov.b/r110307.d

Page 8

Date: 03-NOV-2000 12:55

Client ID: VP01

Instrument: msdr.1

Sample Info: 200mL Can#96114

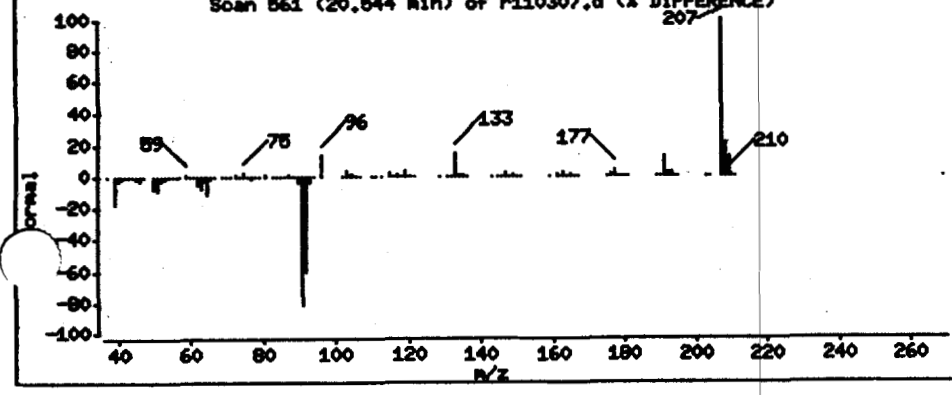
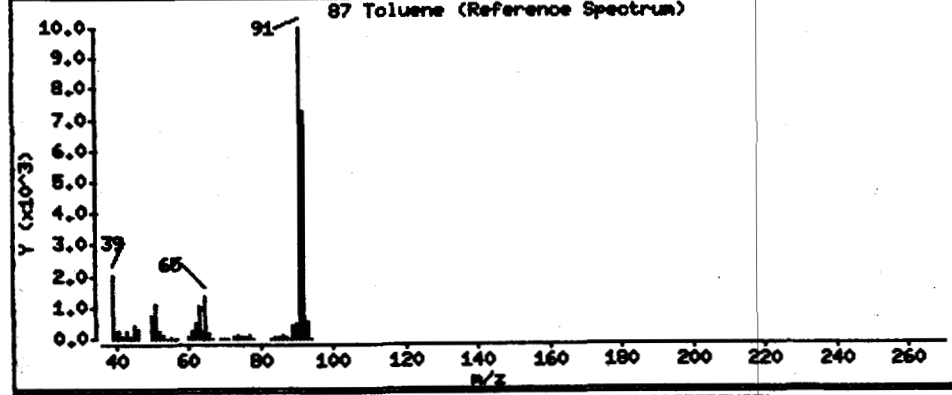
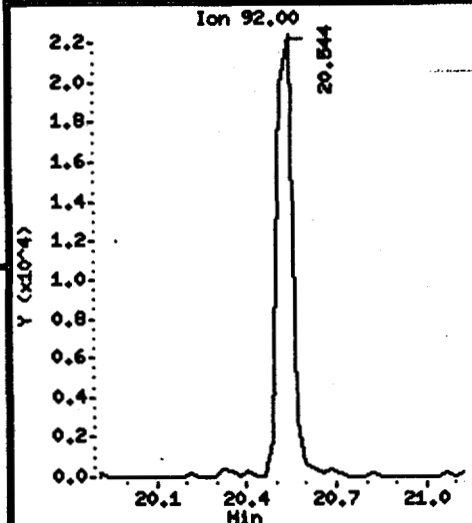
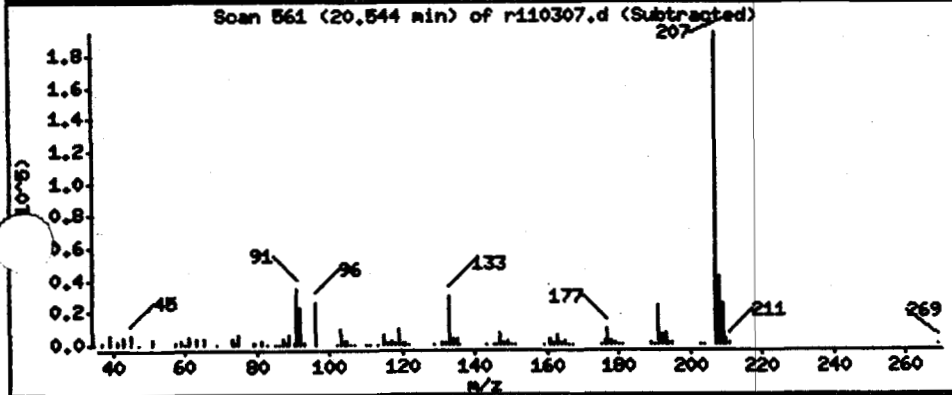
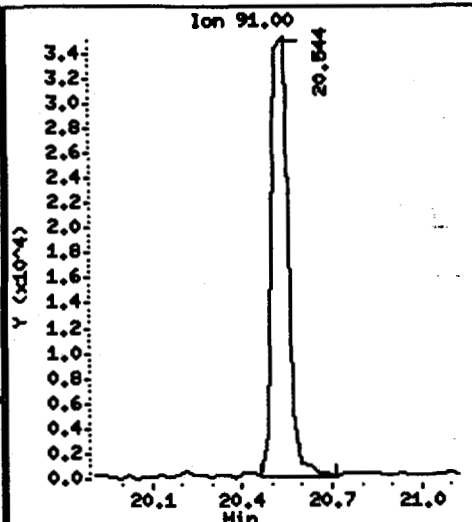
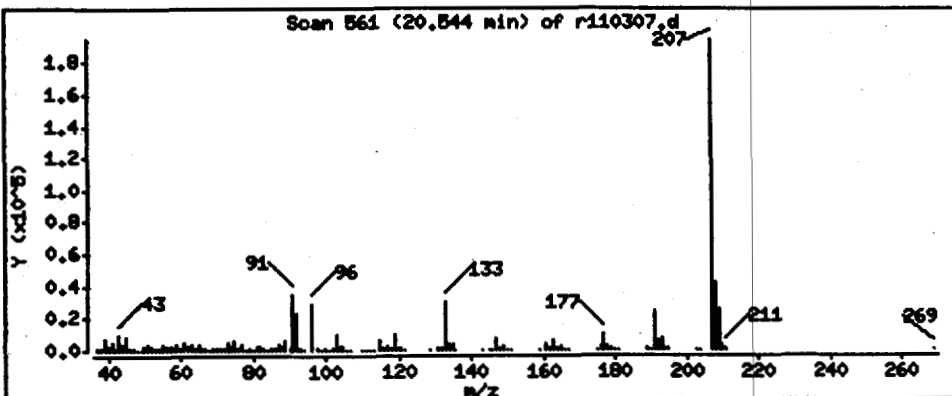
Operator: ML

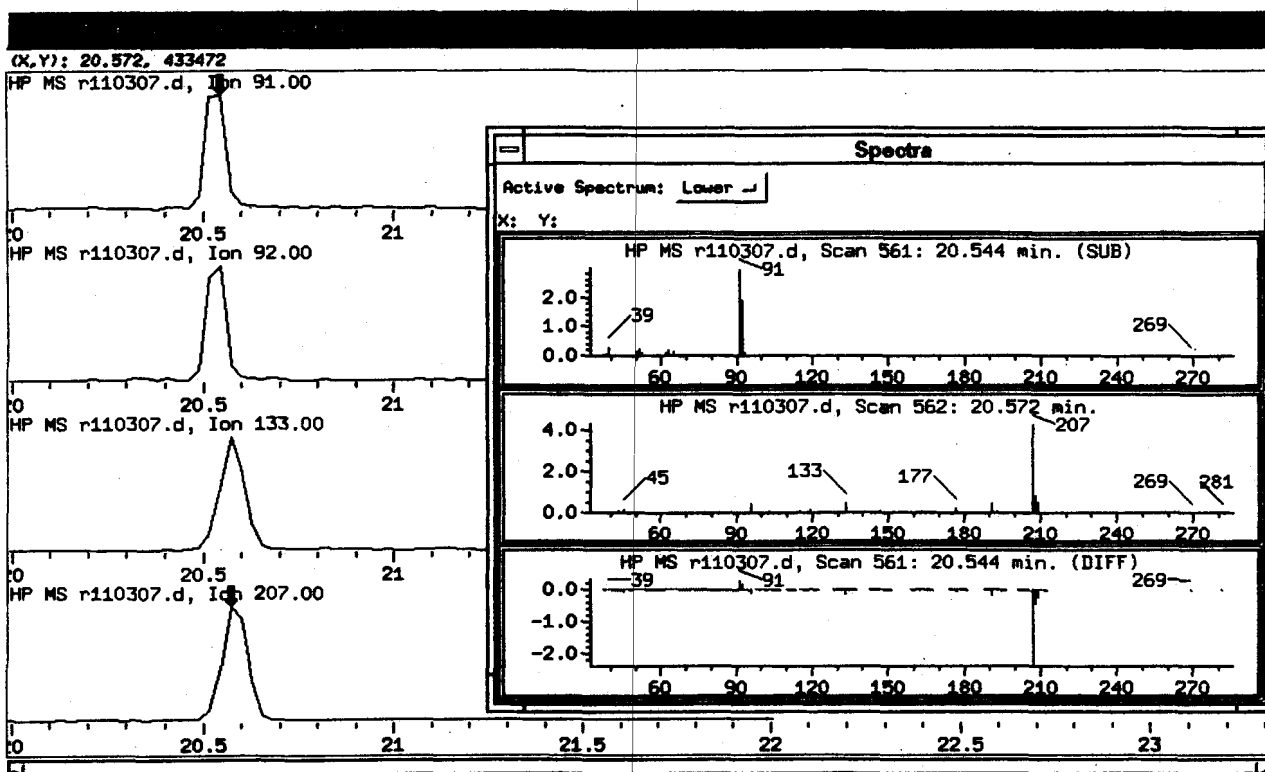
Column phase: RTX-624

Column diameter: 0.53

87 Toluene

Concentration: 4.840 PPBV





Teluene

TH

11/6/00

Data File: /var/chem/msdr.1/r-03nov.b/r110307.d

Page 9

Date: 03-NOV-2000 12:55

Client ID: VP01

Instrument: msdr.1

Sample Info: 200mL Can#96114

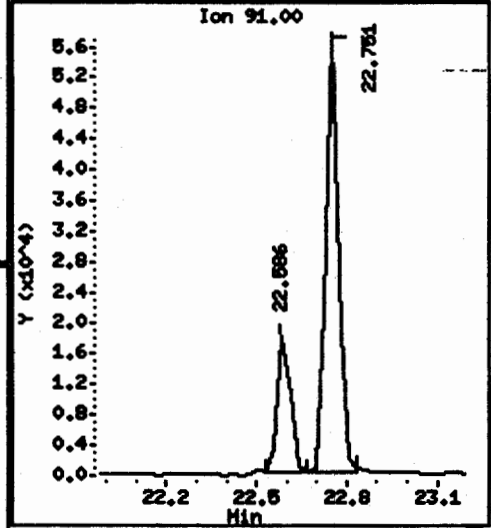
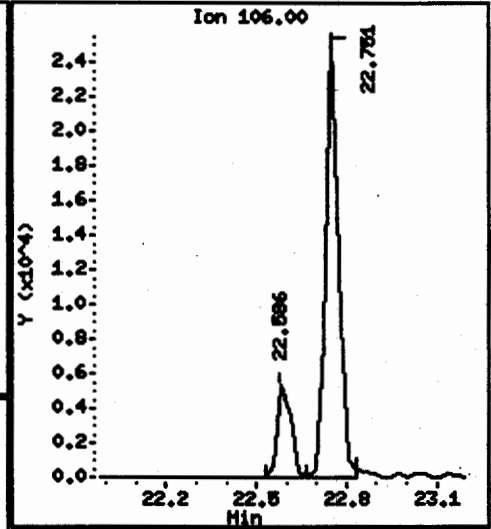
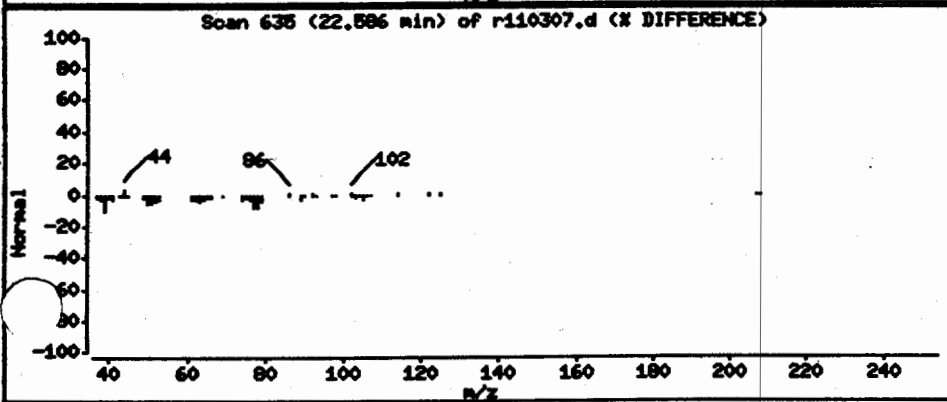
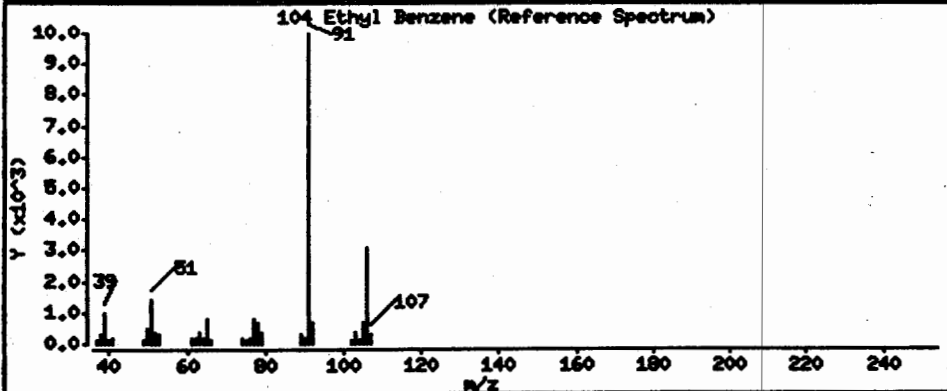
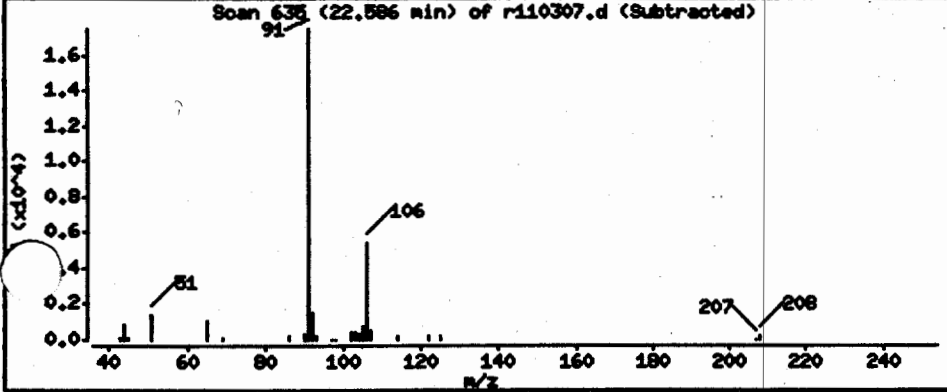
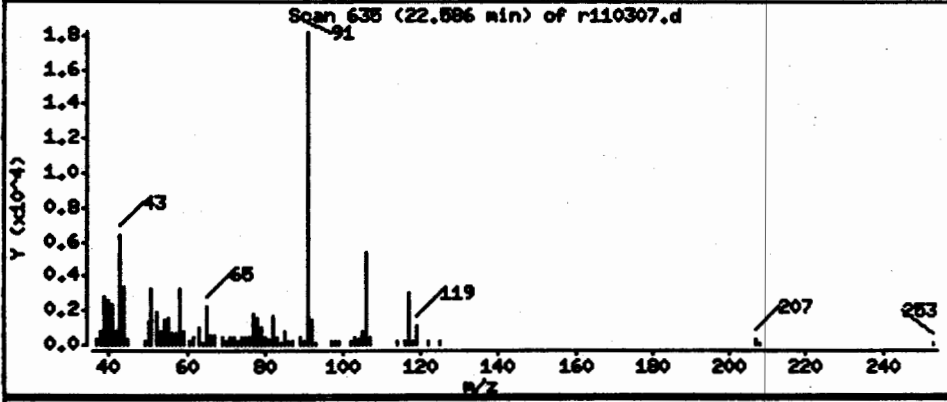
Operator: HL

Column phase: RTX-624

Column diameter: 0.53

104 Ethyl Benzene

Concentration: 1.580 PPBV



Date: 03-NOV-2000 12:55

Client ID: VP01

Instrument: msdr.1

Sample Info: 200mL Can#96114

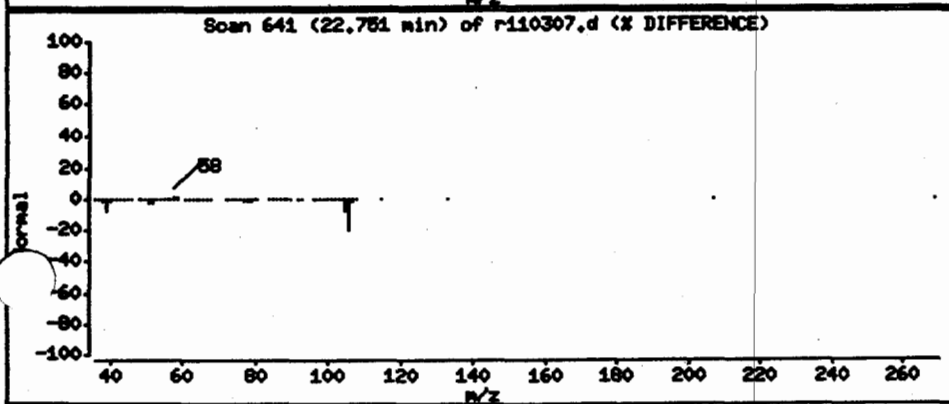
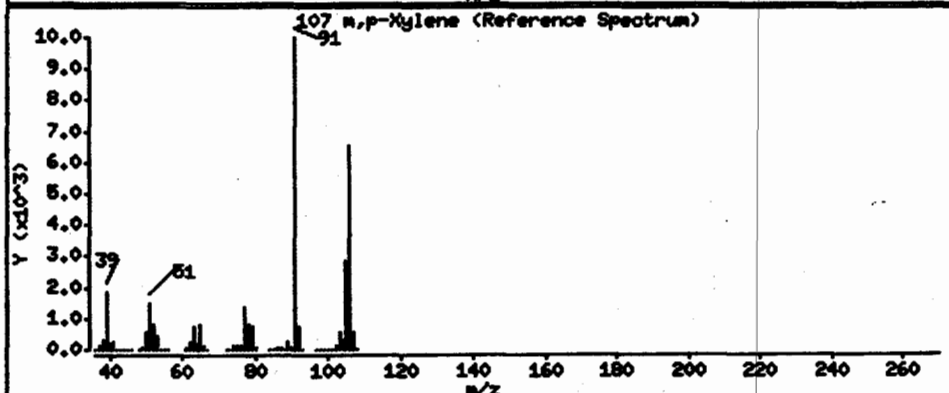
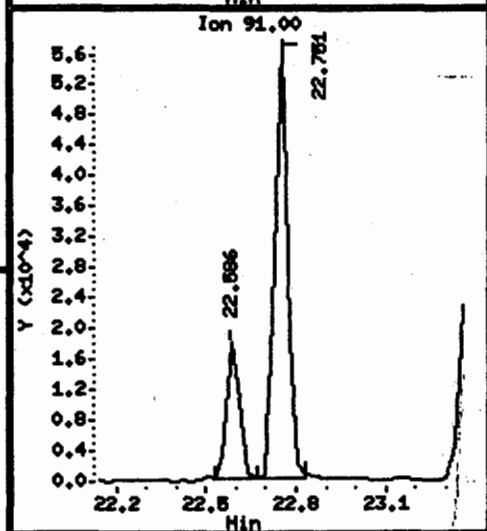
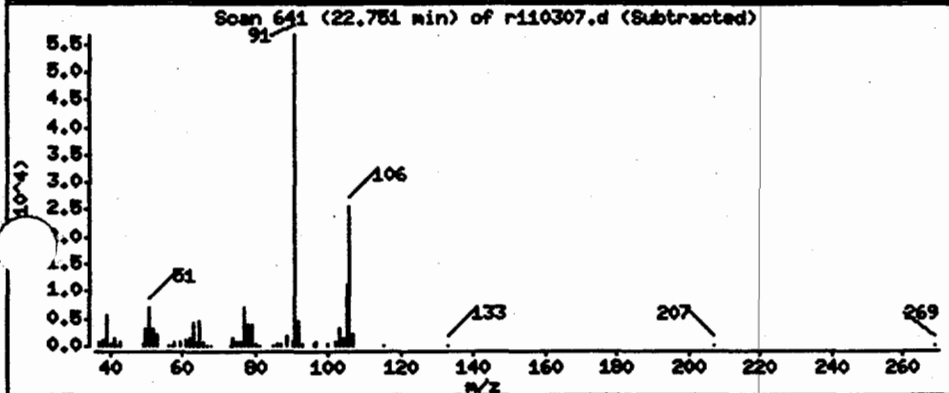
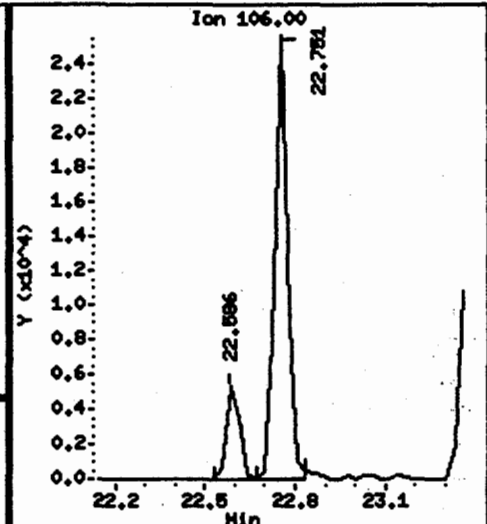
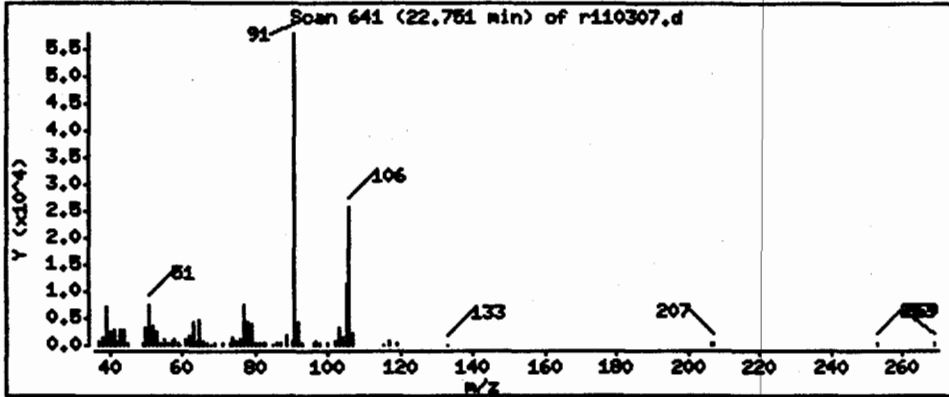
Operator: HL

Column phase: RTX-624

Column diameter: 0.53

107 m,p-Xylene

Concentration: 6.051 PPBV



Data File: /var/chem/msdr.1/r-03nov.b/r110307.d

Date: 03-NOV-2000 12:55

Client ID: VP01

Sample Info: 200mL Can#96114

Instrument: msdr.1

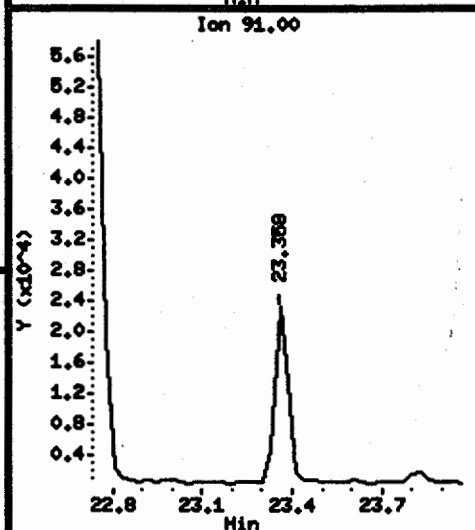
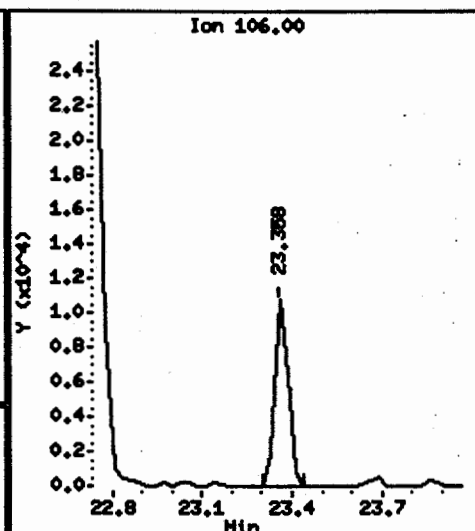
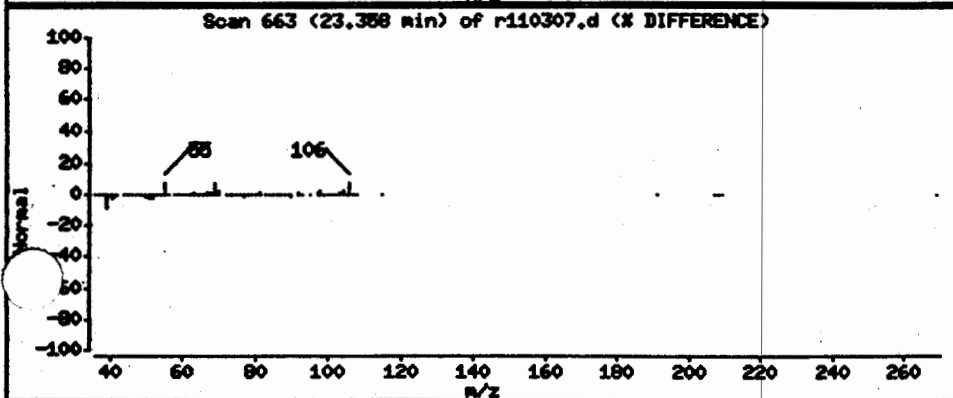
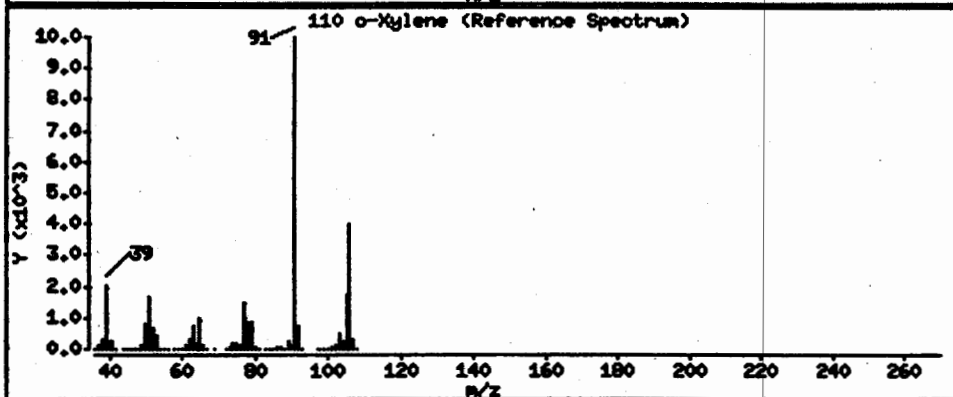
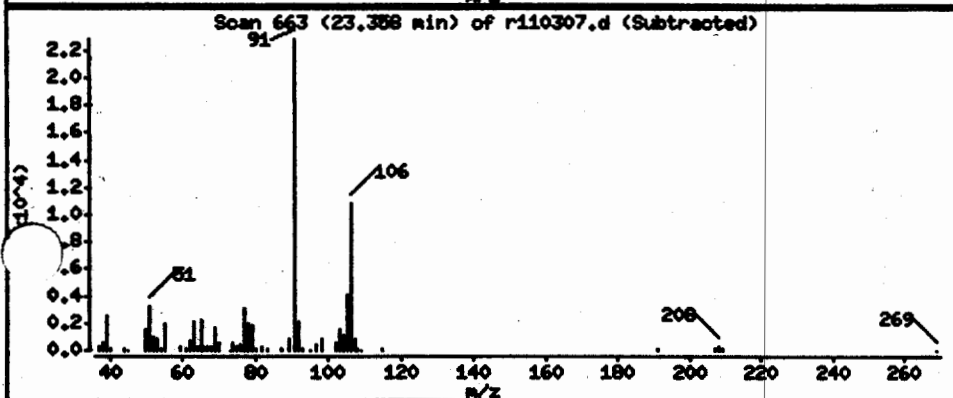
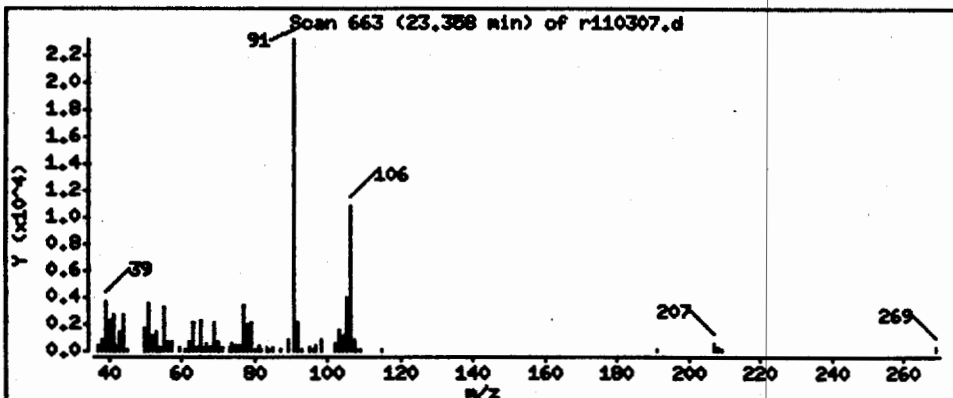
Operator: HL

Column diameter: 0.53

Column phase: RTX-624

Concentration: 2.811 PPBV

110 o-Xylene



AIR TOXICS LTD.

SAMPLE NAME: VP02

ID#: 0010477-02A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	r110308	Date of Collection:	10/26/00
Det. Factor:	1.87	Date of Analysis:	11/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
1,1,1-Trichloroethane	0.94	5.2	Not Detected	Not Detected
Vinyl Chloride	0.94	2.4	Not Detected	Not Detected
Chloroethane	0.94	2.5	Not Detected	Not Detected
1,1-Dichloroethene	0.94	3.8	Not Detected	Not Detected
1,1-Dichloroethane	0.94	3.8	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.94	3.8	Not Detected	Not Detected
Benzene	0.94	3.0	0.50 J	1.6 J
1,2-Dichloroethane	0.94	3.8	Not Detected	Not Detected
Trichloroethene	0.94	5.1	Not Detected	Not Detected
Toluene	0.94	3.6	0.84 J	3.2 J
Tetrachloroethene	0.94	6.4	Not Detected	Not Detected
Ethyl Benzene	0.94	4.1	Not Detected	Not Detected
m,p-Xylene	0.94	4.1	0.94	4.1
o-Xylene	0.94	4.1	0.43 J	1.9 J

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /var/chem/msdr.i/r-03nov.b/r110308.d
 Lab Smp Id: 0010477-02A ✓ Client Smp ID: VP02 ✓
 Inj Date : 03-NOV-2000 13:40
 Operator : ML Inst ID: msdr.i
 Smp Info : 200mL Can#14116 ✓
 Misc Info : 8.5"Hg-5psi URS Corp. notics ✓
 Comment :
 Method : /var/chem/msdr.i/r-03nov.b/to141021.m
 Meth Date : 06-Nov-2000 10:10 thuang Quant Type: ISTD
 Cal Date : 25-OCT-2000 12:28 Cal File: r102507.d
 Als bottle: 1
 Dil Factor: 1.87000 ✓
 Integrator: HP RTE Compound Sublist: URSCorp.sub ✓
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

TH
 11/6/00

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

RT	EXP RT (REL RT)	MASS	CONCENTRATIONS		TARGET RANGE	RATIO	SIMILARITY
			ON-COL RESPONSE (PPBV)	FINAL (PPBV)			
* 66 Bromochloromethane CAS #: 74-97-5							
17.260	17.264 (1.000)	130	175450	25.0000	80.00- 120.00	100.00	8984
17.260	17.264 (0.000)	128	37056		28.35- 128.35	75.54	
17.260	17.264 (0.000)	49	109030		185.10- 285.10	222.26	

* 76 1,4-Difluorobenzene CAS #: 540-36-3							
18.474	18.478 (1.000)	114	753677	25.0000	80.00- 120.00	100.00	9626
18.474	18.478 (0.000)	88	35840		0.00- 66.64	17.23	

* 102 Chlorobenzene-d5 CAS #: 3114-55-4							
22.502	22.506 (1.000)	117	521681	25.0000	80.00- 120.00	100.00	(Q)
22.502	22.506 (1.000)	82	322788		0.00- 50.00	61.87	

* 71 1,2-Dichloroethane-d4 CAS #: 17060-07-0							
18.032	18.037 (1.045)	65	370802	29.0617	29.062 80.00- 120.00	100.00	10000
18.032	18.037 (0.000)	67	55256		0.00- 50.00	44.07	

* 86 Toluene-d8 CAS #: 2037-26-5							
20.433	20.437 (1.106)	98	668792	23.8724	23.872 80.00- 120.00	100.00	9901
20.433	20.437 (0.000)	70	27718		0.00- 61.22	11.74	

RT	EXP RT	(REL RT)	MASS	CONCENTRATIONS		TARGET RANGE	RATIO	SIMILARITY
				ON-COL RESPONSE (PPBV)	FINAL (PPBV)			
§ 86 Toluene-d8 (continued)								
20.433	20.437	(0.000)	100	152640		17.13- 117.13	64.65	
§ 114 Bromofluorobenzene CAS #: 460-00-4								
24.212	24.217	(1.076)	95	397338	25.2818	80.00- 120.00	100.00	8044
24.212	24.217	(0.000)	174	89120		23.59- 123.59	63.15	
24.212	24.217	(0.000)	176	86240		20.52- 120.52	61.11	
72 Benzene CAS #: 71-43-2								
18.060	18.064	(0.978)	78	10549	0.26550	80.00- 120.00	100.00	2754(a) J
18.060	18.064	(0.000)	77	586		0.00- 72.74	20.35	
87 Toluene CAS #: 108-88-3								
20.543	20.520	(1.112)	91	21702	0.44949	80.00- 120.00	100.00	5783(a) J
20.543	20.520	(0.000)	92	3291		9.87- 109.87	63.62	
107 m,p-Xylene CAS #: 108-38-3								
22.750	22.755	(1.011)	106	10819	0.50100	80.00- 120.00	100.00	(Q)
22.750	22.755	(1.011)	91	25456		0.00- 50.00	235.28	
o-Xylene CAS #: 95-47-6								
23.357	23.362	(1.038)	106	4743	0.22845	80.00- 120.00	100.00	7983(a) J
23.357	23.362	(0.000)	91	3113		176.01- 276.01	216.78	

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msdr.i
 Lab File ID: r110308.d
 Lab Smp Id: 0010477-02A
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: ML

Calibration Date: 03-NOV-2000
 Calibration Time: 08:40
 Client Smp ID: VP02
 Level: LOW
 Sample Type: AIR

Method File: /var/chem/msdr.i/r-03nov.b/to141021.m
 Misc Info: 8.5"Hg-5psi URS Corp. notics

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
66 Bromochloromethan	220849	132509	309189	175450	-20.56
76 1,4-Difluorobenze	972433	583460	1361406	753677	-22.50
102 Chlorobenzene-d5	695499	417299	973699	521681	-24.99

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
66 Bromochloromethan	17.26	16.76	17.76	17.26	-0.03
76 1,4-Difluorobenze	18.48	17.98	18.98	18.47	-0.02
102 Chlorobenzene-d5	22.51	22.01	23.01	22.50	-0.02

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: r-03nov
Sample Matrix: GAS	Fraction: VOA
Lab Smp Id: 0010477-02A	Client Smp ID: VP02
Level: LOW	Operator: ML
Data Type: MS DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: URSCorp.sub	
Method File: /var/chem/msdr.i/r-03nov.b/to141021.m	
Misc Info: 8.5"Hg-5psi URS Corp. notics	

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 71 1,2-Dichloroethane	25.000	29.062	116.25	70-130
\$ 86 Toluene-d8	25.000	23.872	95.49	70-130
\$ 114 Bromofluorobenzene	25.000	25.282	101.13	70-130

0027

Data File: /var/chem/msdr.i/r-03nov,b/r110308.d

Date : 03-NOV-2000 13:40

Client ID: VP02

Sample Info: 200mL Can#14116

Column phase: RTX-624

File: /var/chem/msdr.i/r-03nov,b/r110308.d

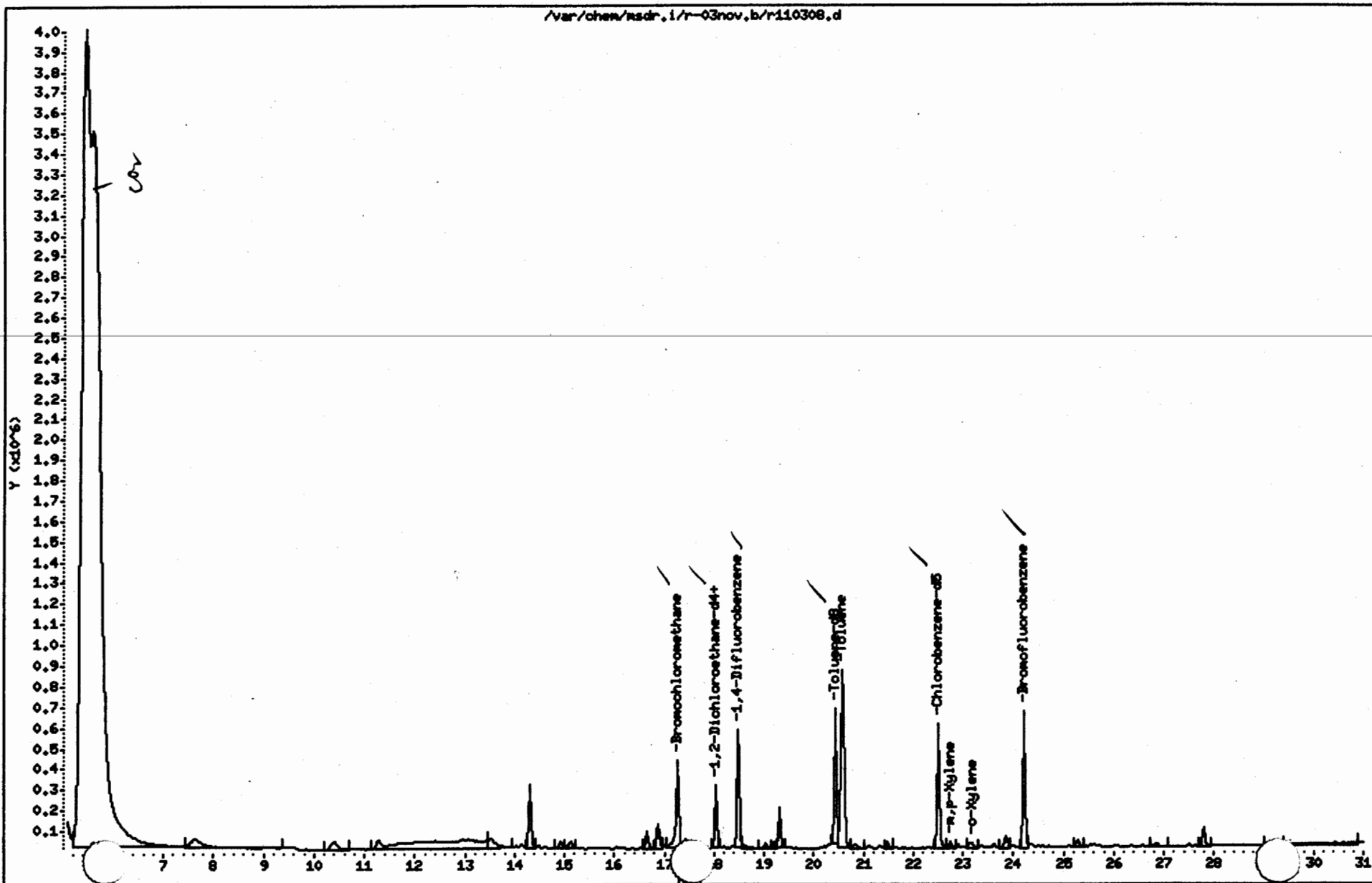
Instrument: msdr.i

Operator: HL

Column diameter: 0.53

Page 5

/var/chem/msdr.i/r-03nov,b/r110308.d



Data File: /var/chem/msdr.i/r-03nov.b/r110308.d

Page 6

Date: 03-NOV-2000 13:40

Client ID: VP02

Instrument: msdr.i

Sample Info: 200mL Can#14116

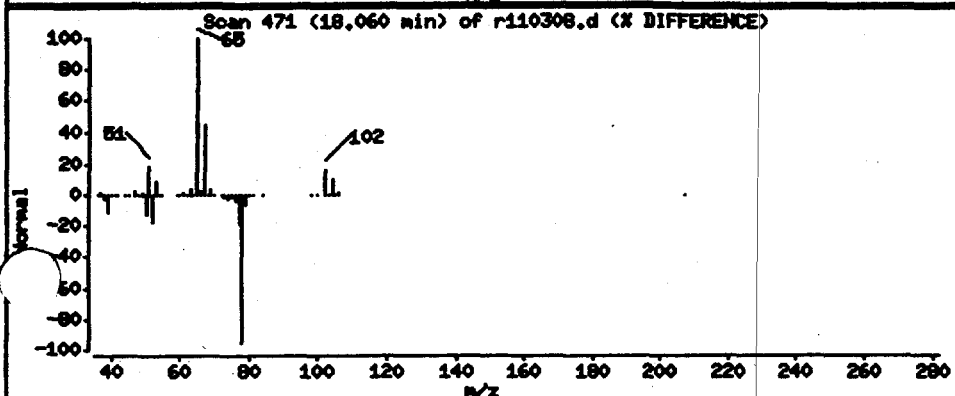
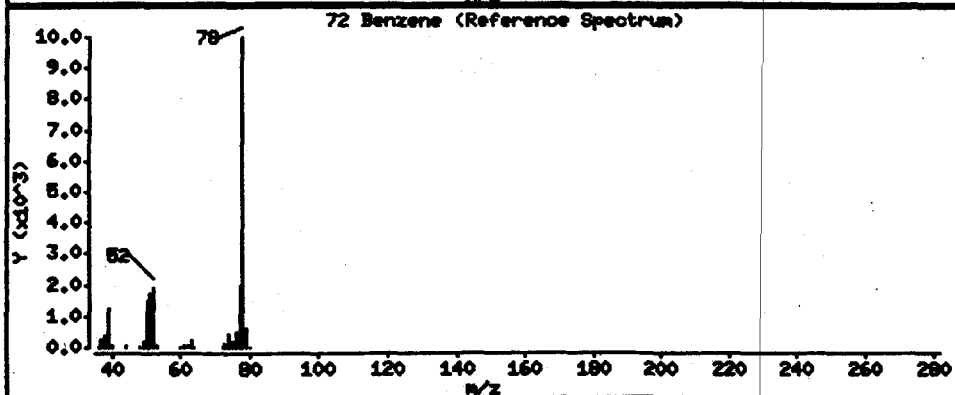
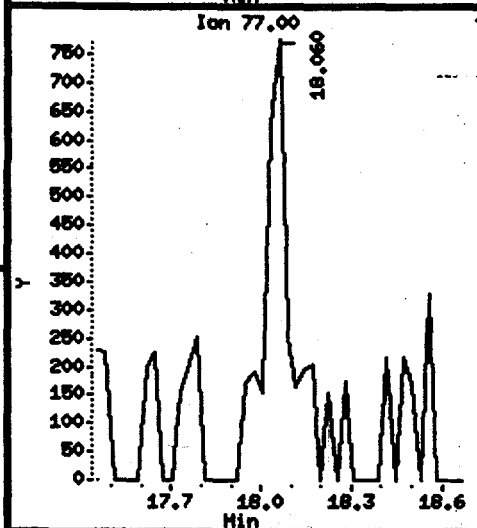
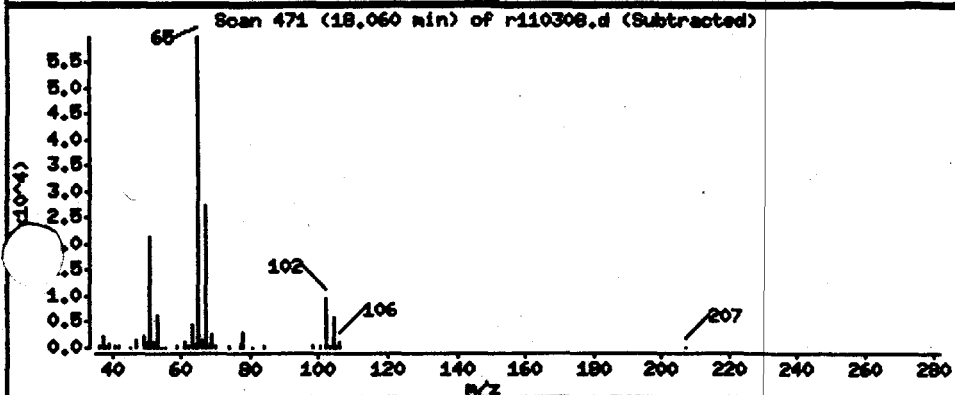
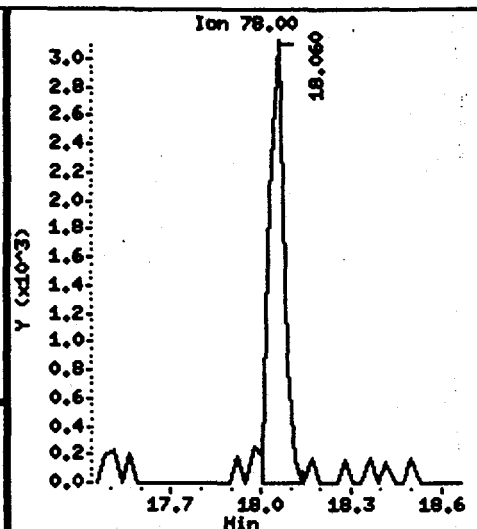
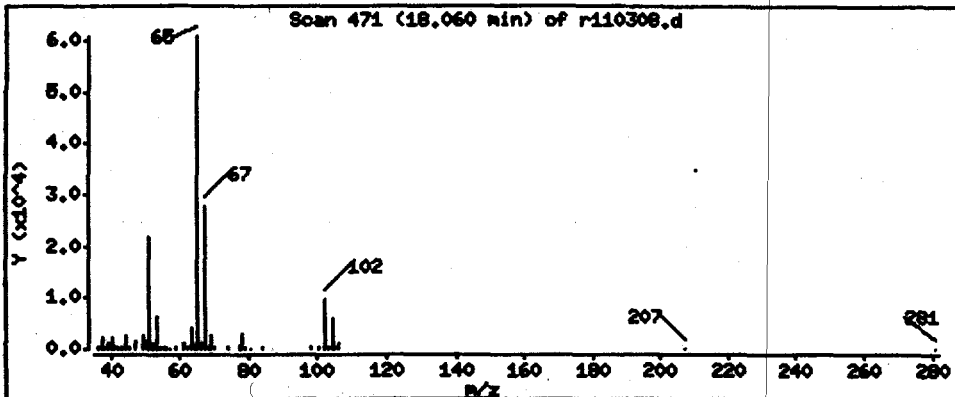
Operator: HL

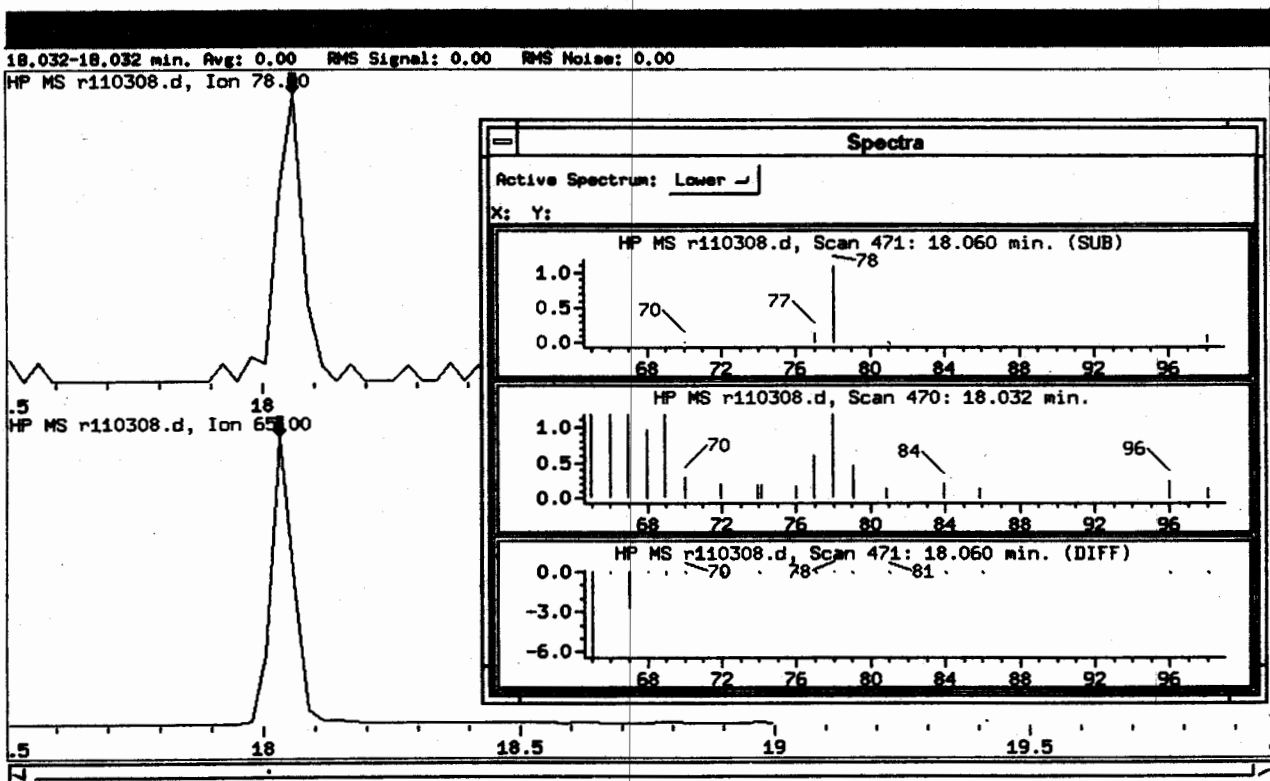
Column phase: RTX-624

Column diameter: 0.53

72 Benzene

Concentration: 0.4965 PPBV





Benzene

TH
11/6/00

Date: 03-NOV-2000 13:40

Client ID: VP02

Instrument: msdr.1

Sample Info: 200uL Can#14116

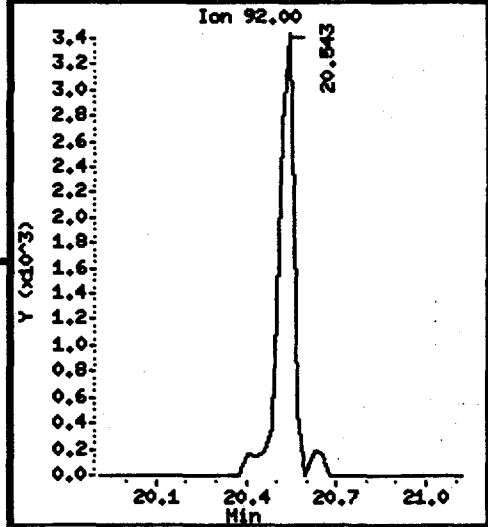
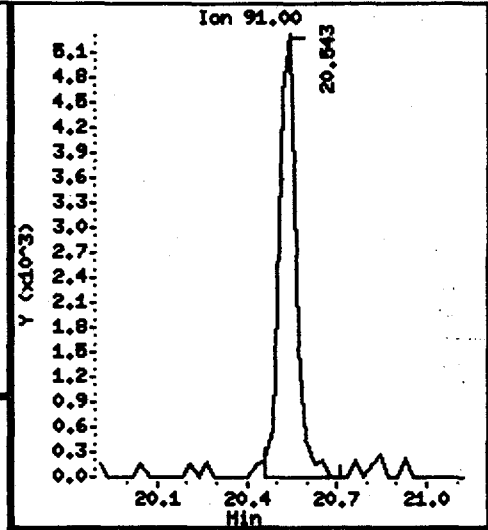
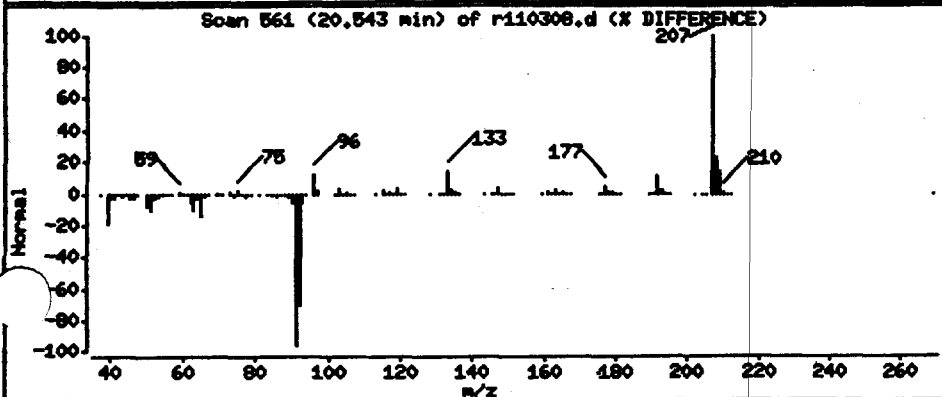
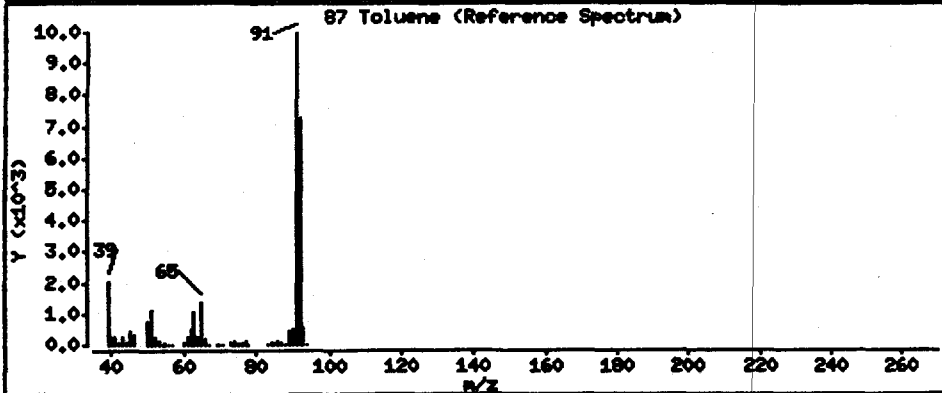
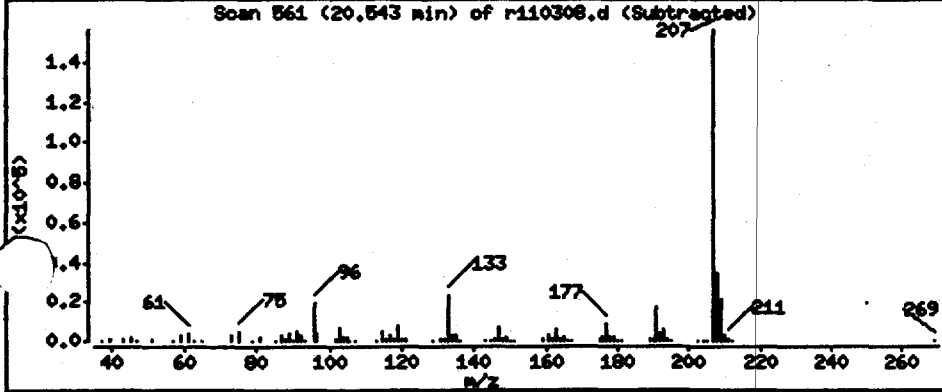
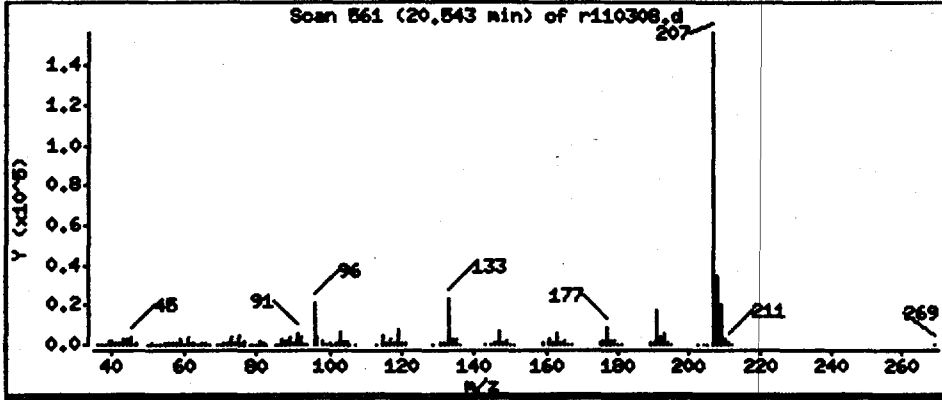
Operator: ML

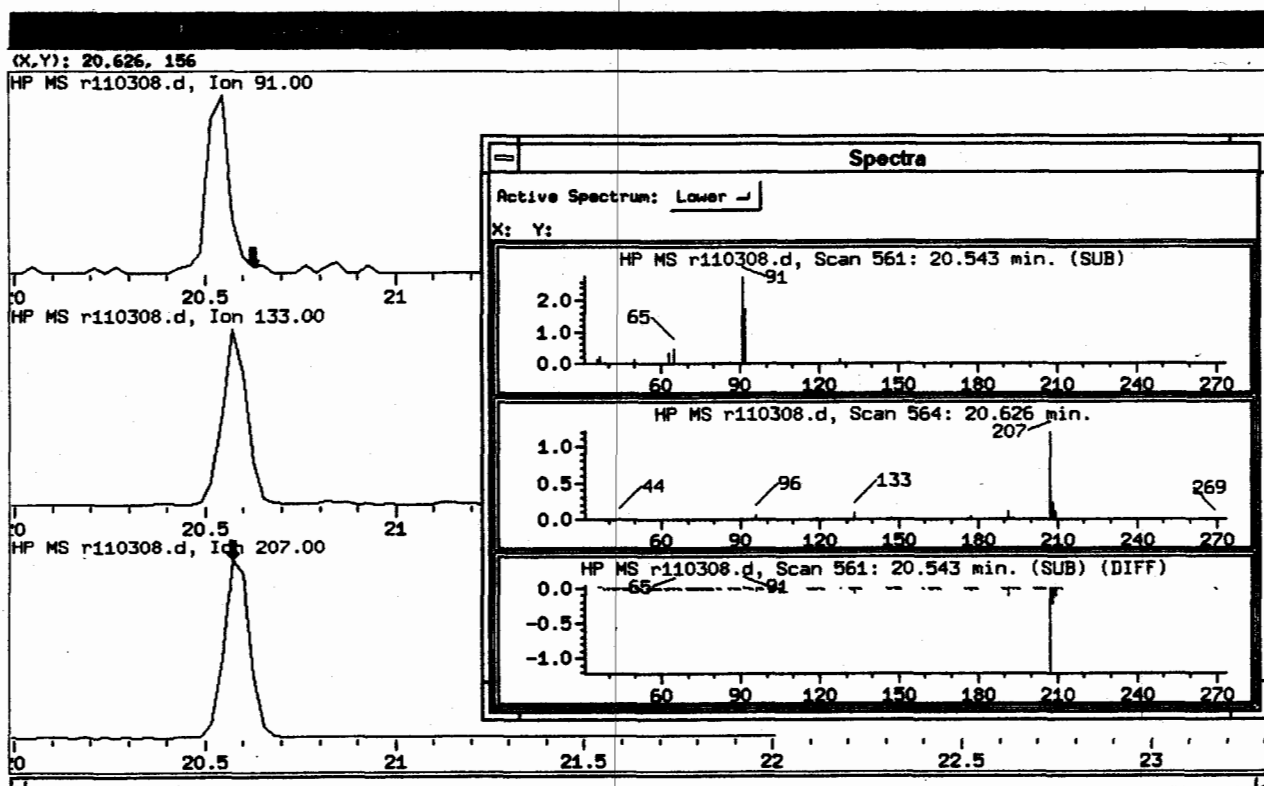
Column phase: RTX-624

Column diameter: 0.53

87 Toluene

Concentration: 0.0405 PPBV





Toluene

TH

11/6/00

Date: 03-NOV-2000 13:40

Client ID: VP02

Instrument: msdr.i

Sample Info: 200mL Can#14116

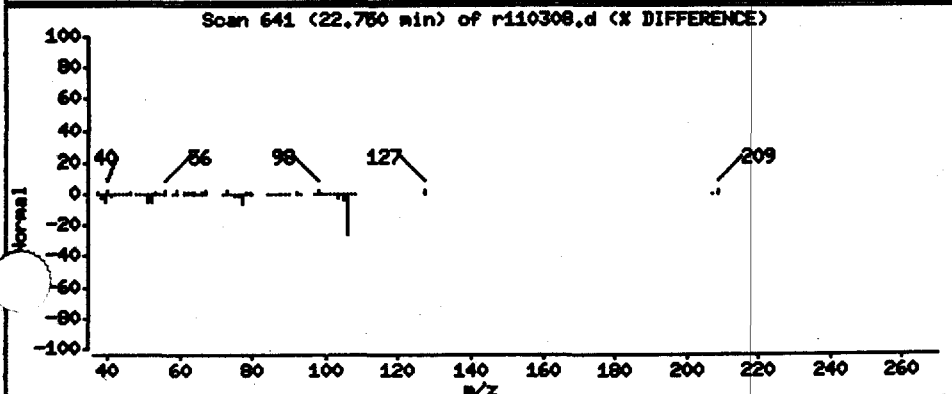
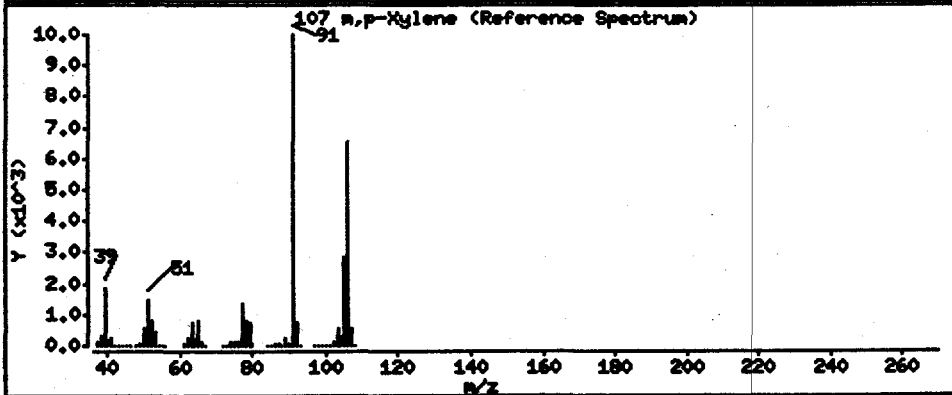
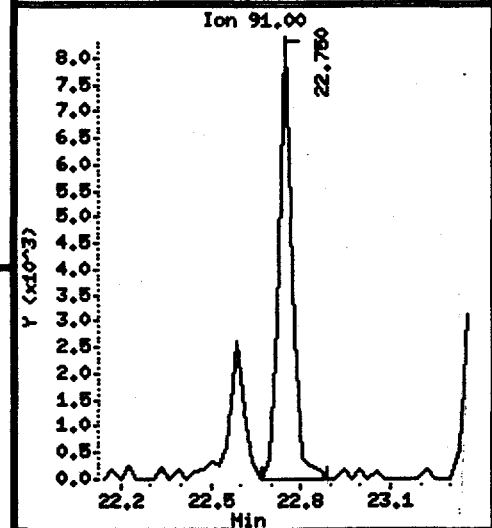
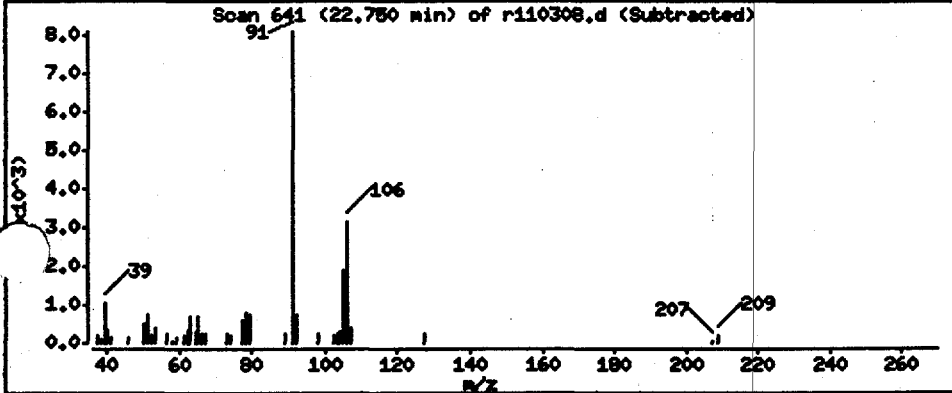
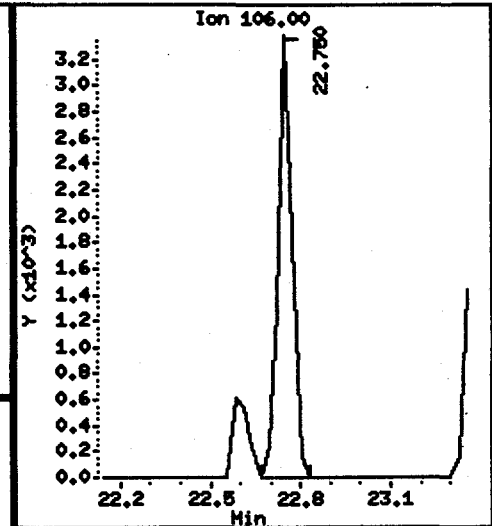
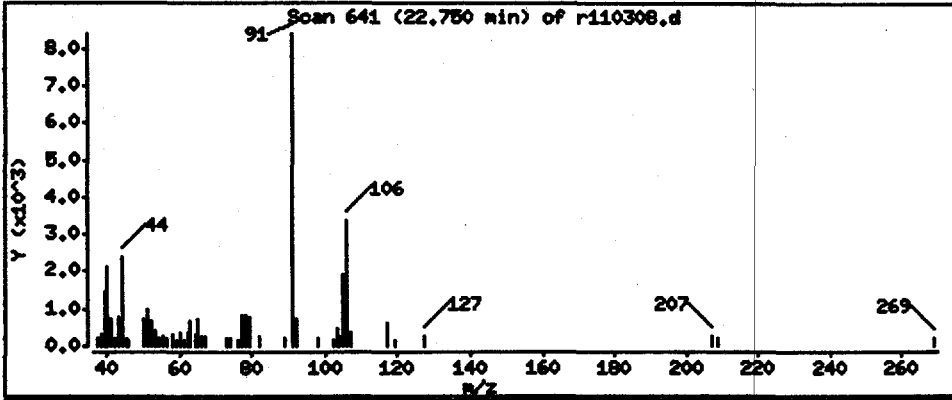
Operator: ML

Column phase: RTX-624

Column diameter: 0.53

107 m,p-Xylene

Concentration: 0.9369 PPBV



Data File: /var/chem/msdr.1/r-03nov.b/r110308.d

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Date: 03-NOV-2000 13:40

Client ID: VP02

Instrument: msdr.i

Sample Info: 200mL Can#14116

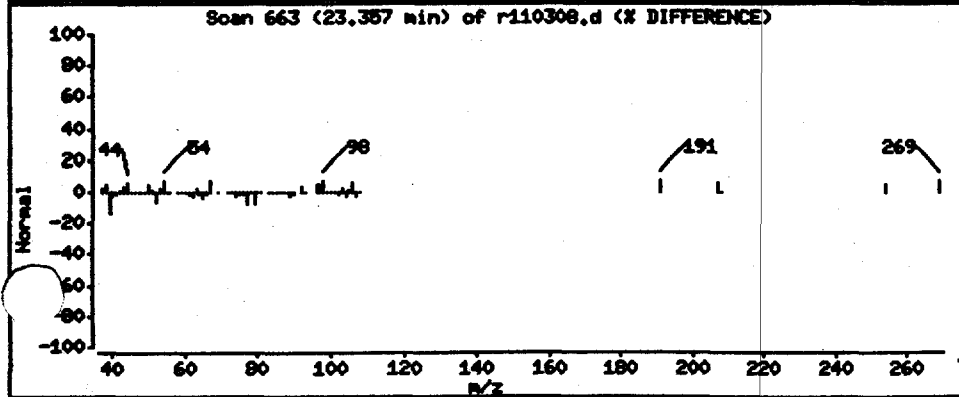
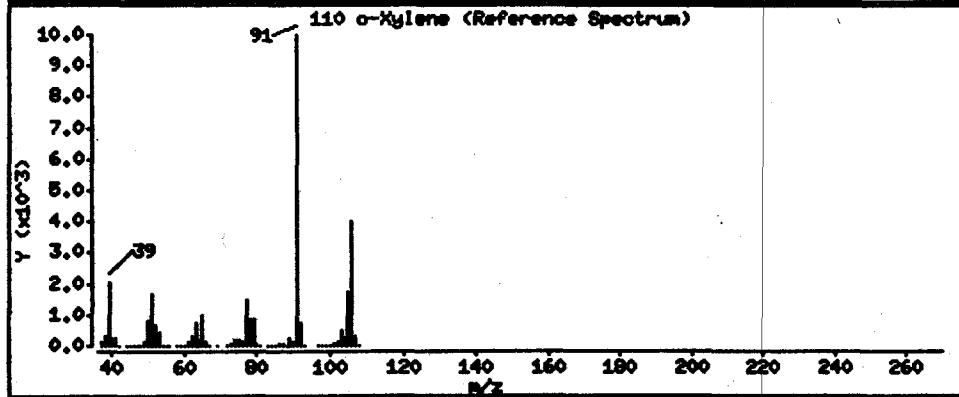
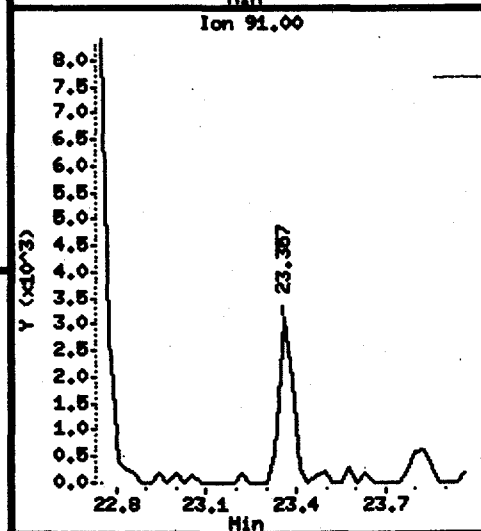
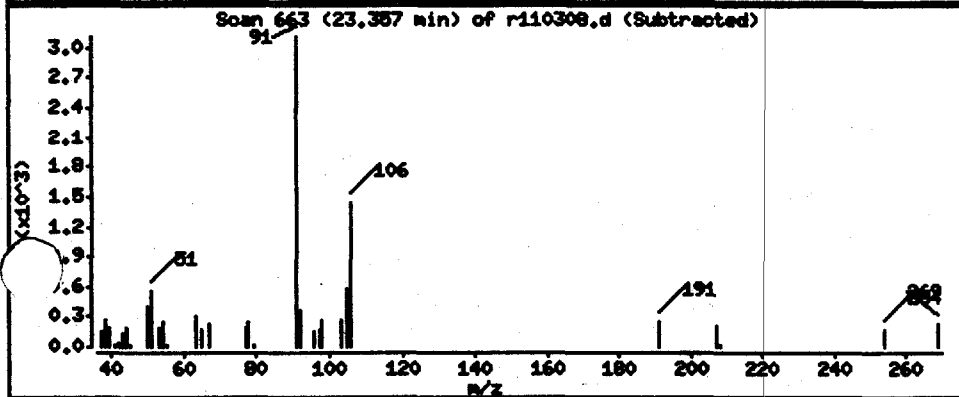
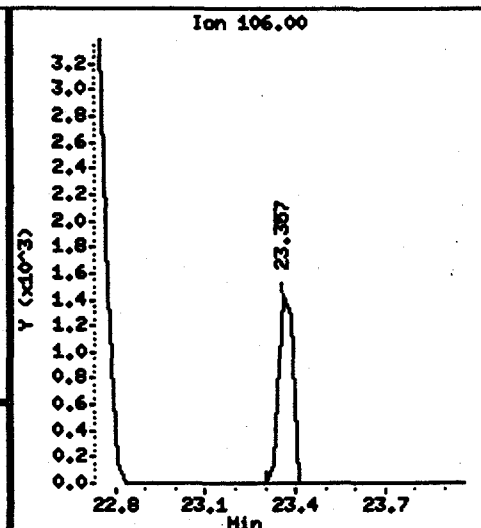
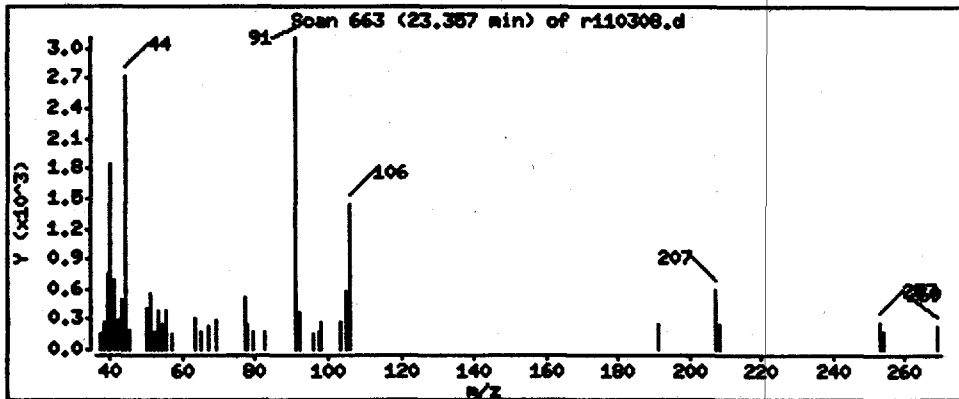
Operator: HL

Column phase: RTX-624

Column diameter: 0.53

110 o-Xylene

Concentration: 0.4272 PPBV



AIR TOXICS LTD.

SAMPLE NAME: VP03

ID#: 0010477-03A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	110309	Date of Collection:	10/28/00
Det. Factor:	1.78	Date of Analysis:	11/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
1,1,1-Trichloroethane	0.90	5.0	Not Detected	Not Detected
Vinyl Chloride	0.90	2.3	Not Detected	Not Detected
Chloroethane	0.90	2.4	Not Detected	Not Detected
1,1-Dichloroethene	0.90	3.6	Not Detected	Not Detected
1,1-Dichloroethane	0.90	3.7	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.90	3.6	Not Detected	Not Detected
Benzene	0.90	2.9	8.3	27
1,2-Dichloroethane	0.90	3.7	Not Detected	Not Detected
Trichloroethene	0.90	4.9	23	130
Toluene	0.90	3.4	7.6	29
Tetrachloroethene	0.90	6.2	Not Detected	Not Detected
Ethyl Benzene	0.90	3.9	1.9	8.3
m,p-Xylene	0.90	4.0	6.8	30
o-Xylene	0.90	4.0	3.1	14

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	126	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130

Data File: /var/chem/msdr.i/r-03nov.b/r110309.d
 Report Date: 06-Nov-2000 10:16

Page 1

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /var/chem/msdr.i/r-03nov.b/r110309.d
 Lab Smp Id: 0010477-03A ✓ Client Smp ID: VP03 ✓
 Inj Date : 03-NOV-2000 14:16
 Operator : ML Inst ID: msdr.i
 Smp Info : 200mL Can#31430 ✓
 Misc Info : 7.5"Hg-5psi URS Corp. notics ✓
 Comment :
 Method : /var/chem/msdr.i/r-03nov.b/to141021.m
 Meth Date : 06-Nov-2000 10:10 thuang Quant Type: ISTD
 Cal Date : 25-OCT-2000 12:28 Cal File: r102507.d
 Als bottle: 1
 Dil Factor: 1.79000 ✓
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: eeyore
 Compound Sublist: URSCorp.sub ✓
 Sample Matrix: AIR

Concentration Formula: Amt * DF * CpndVariable

TH
 11/6/00

Cpnd Variable

Local Compound Variable

CONCENTRATIONS									
RT	EXP RT (REL RT)	MASS	RESPONSE (PPEV)	ON-COL	FINAL	TARGET RANGE	RATIO	SIMILARITY	
---	-----	----	-----	-----	-----	-----	-----	-----	-----
* 66 Bromochloromethane						CAS #: 74-97-5			
17.287	17.264 (1.000)	130	157134	25.0000		80.00- 120.00	100.00	9588 (Q)	
17.287	17.264 (0.000)	128	41840			28.35- 128.35	76.65		
17.287	17.264 (0.000)	49	94766			185.10- 285.10	173.61		
* 76 1,4-Difluorobenzene						CAS #: 540-36-3			
18.501	18.478 (1.000)	114	688994	25.0000		80.00- 120.00	100.00	9656	
18.501	18.478 (0.000)	88	31920			0.00- 66.64	14.80		
* 102 Chlorobenzene-d5						CAS #: 3114-55-4			
22.502	22.506 (1.000)	117	506801	25.0000		80.00- 120.00	100.00	(Q)	
22.502	22.506 (1.000)	82	312980			0.00- 50.00	61.76		
\$ 71 1,2-Dichloroethane-d4						CAS #: 17060-07-0			
18.032	18.037 (1.043)	65	358879	31.4058	31.406	80.00- 120.00	100.00	10000	
18.032	18.037 (0.000)	67	41980			0.00- 50.00	43.79		
5 Toluene-d8						CAS #: 2037-26-5			
20.432	20.437 (1.104)	98	630400	24.6145	24.614	80.00- 120.00	100.00	9939	
20.432	20.437 (0.000)	70	25696			0.00- 61.22	12.17		

RT	EXP RT	(REL RT)	MASS	CONCENTRATIONS		TARGET RANGE	RATIO	SIMILARITY
				ON-COL	FINAL			
---	-----	-----	-----	RESPONSE	(PPBV)	(PPBV)	-----	-----
§ 86 Toluene-d8 (continued)								
20.432	20.437	(0.000)	100	141760		17.13- 117.13	67.14	
§ 114 Bromofluorobenzene								
						CAS #: 460-00-4		
24.212	24.217	(1.076)	95	380496	24.9210	24.921	80.00- 120.00	100.00 8004
24.212	24.217	(0.000)	174	87080			23.59- 123.59	63.20
24.212	24.217	(0.000)	176	83056			20.52- 120.52	60.28
72 Benzene								
						CAS #: 71-43-2		
18.060	18.064	(0.976)	78	168785	4.64690	8.318	80.00- 120.00	100.00 7262
18.060	18.064	(0.000)	77	13843			0.00- 72.74	24.93
77 Trichloroethene								
						CAS #: 79-01-6		
18.860	18.864	(1.019)	95	207881	12.9684	23.213	80.00- 120.00	100.00 8912
18.860	18.864	(0.000)	130	76776			62.04- 162.04	106.10
18.860	18.864	(0.000)	97	46840			13.35- 113.35	64.73
87 Toluene								
						CAS #: 108-88-3		
20.543	20.520	(1.110)	91	187746	4.25365	7.614	80.00- 120.00	100.00 8492
20.543	20.520	(0.000)	92	32008			9.87- 109.87	58.89
104 Ethyl Benzene								
						CAS #: 100-41-4		
22.584	22.589	(1.004)	106	18820	1.05677	1.892	80.00- 120.00	100.00 (Q)
22.584	22.589	(1.004)	91	58866			0.00- 50.00	312.78
107 m,p-Xylene								
						CAS #: 108-38-3		
22.750	22.755	(1.011)	106	80295	3.82744	6.851	80.00- 120.00	100.00 (Q)
22.750	22.755	(1.011)	91	170657			0.00- 50.00	212.54
110 o-Xylene								
						CAS #: 95-47-6		
23.357	23.362	(1.038)	106	34995	1.73505	3.106	80.00- 120.00	100.00 9189
23.357	23.362	(0.000)	91	23990			176.01- 276.01	264.47

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msdr.i
 Lab File ID: r110309.d
 Lab Smp Id: 0010477-03A
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: ML
 Method File: /var/chem/msdr.i/r-03nov.b/to141021.m
 Misc Info: 7.5"Hg-5psi URS Corp. notices

Calibration Date: 03-NOV-2000
 Calibration Time: 08:40
 Client Smp ID: VP03
 Level: LOW
 Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
66 Bromochloromethan	220849	132509	309189	157134	-28.85
76 1,4-Difluorobenze	972433	583460	1361406	688994	-29.15
102 Chlorobenzene-d5	695499	417299	973699	506801	-27.13

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
66 Bromochloromethan	17.26	16.76	17.76	17.29	0.13
76 1,4-Difluorobenze	18.48	17.98	18.98	18.50	0.12
102 Chlorobenzene-d5	22.51	22.01	23.01	22.50	-0.02

AREA UPPER LIMIT = + 40% of internal standard area.
 AREA LOWER LIMIT = - 40% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: r-03nov
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0010477-03A Client Smp ID: VP03
Level: LOW Operator: ML
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: URSCorp.sub
Method File: /var/chem/msdr.i/r-03nov.b/tol41021.m
Misc Info: 7.5"Hg-5psi URS Corp. notices

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 71 1,2-Dichloroethane	25.000	31.406	125.62	70-130
\$ 86 Toluene-d8	25.000	24.614	98.46	70-130
\$ 114 Bromofluorobenzene	25.000	24.921	99.68	70-130

0039

Data File: /var/chem/msdr.1/r-03nov,b/r110309.d

Data File: /var/chem/msdr.1/r-03nov,b/r110309.d

Data File: /var/chem/msdr.1/r-03nov,b/r110309.d

Page 5

Date : 03-NOV-2000 14:16

Client ID: VP03

Sample Info: 200mL Can#31430

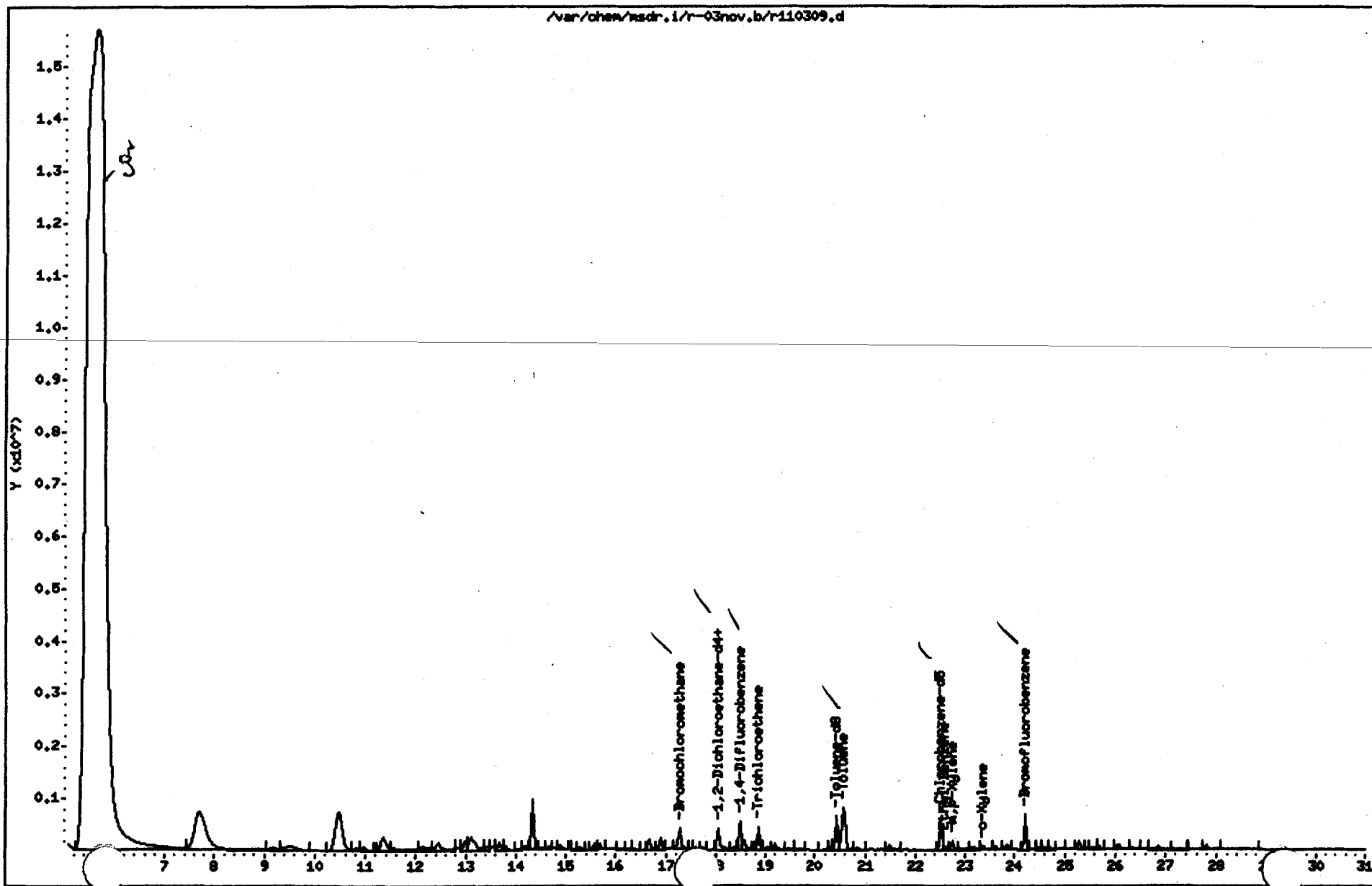
Instrument: msdr.1

Operator: HL

Column diameter: 0.53

Column phase: RTX-624

/var/chem/msdr.1/r-03nov,b/r110309.d



Date: 03-NOV-2000 14:16

Client ID: VP03

Instrument: msdr.i

Sample Info: 200mL Can#31430

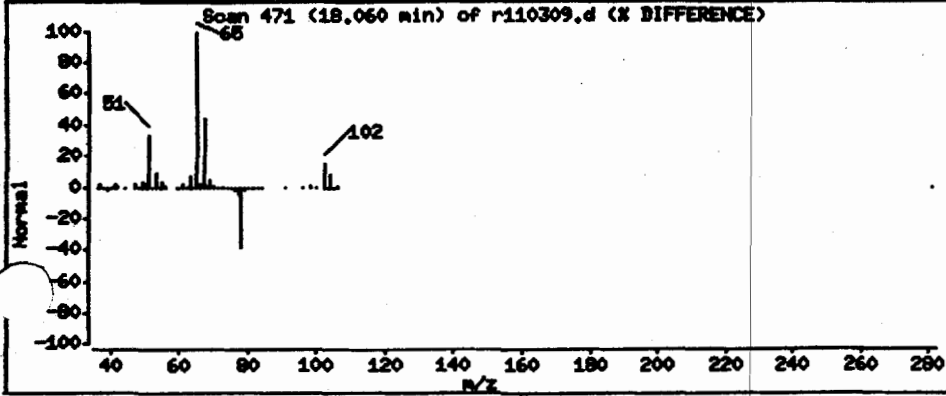
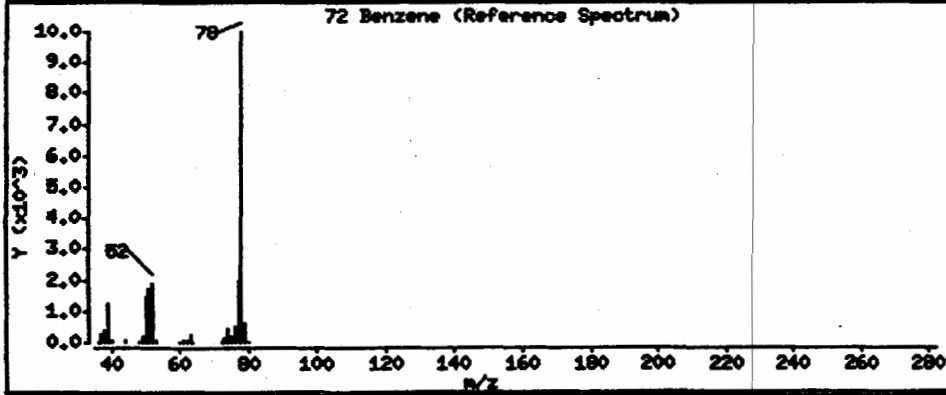
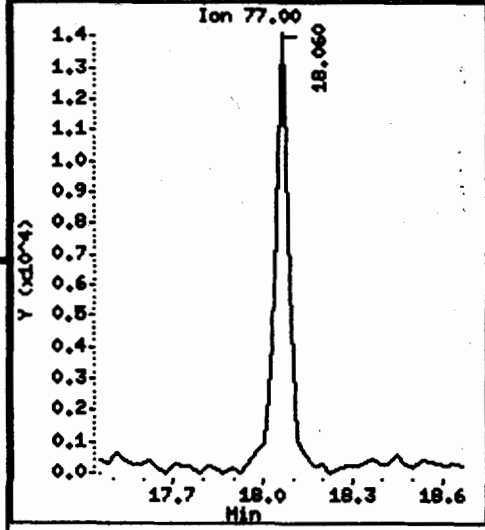
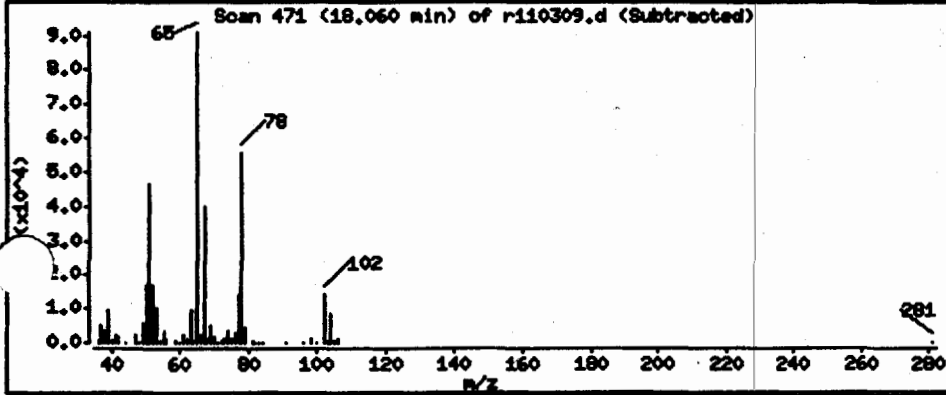
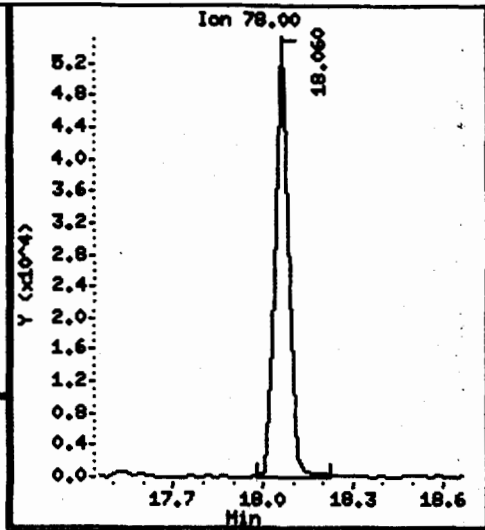
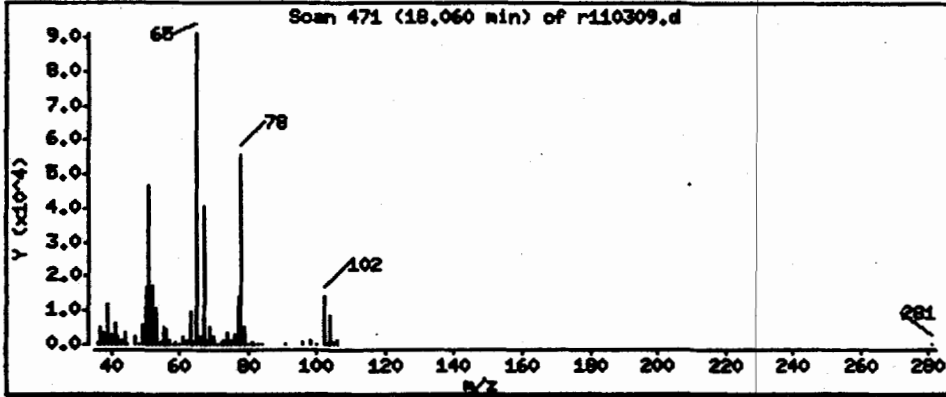
Operator: ML

Column phase: RTX-624

Column diameter: 0.53

Concentration: 8.318 PPBV

72 Benzene



Data File: /var/chem/msdr.1/r-03nov.b/r110309.d

Page 7

Date: 03-NOV-2000 14:16

Client ID: VP03

Instrument: msdr.1

Sample Info: 200mL Can#31430

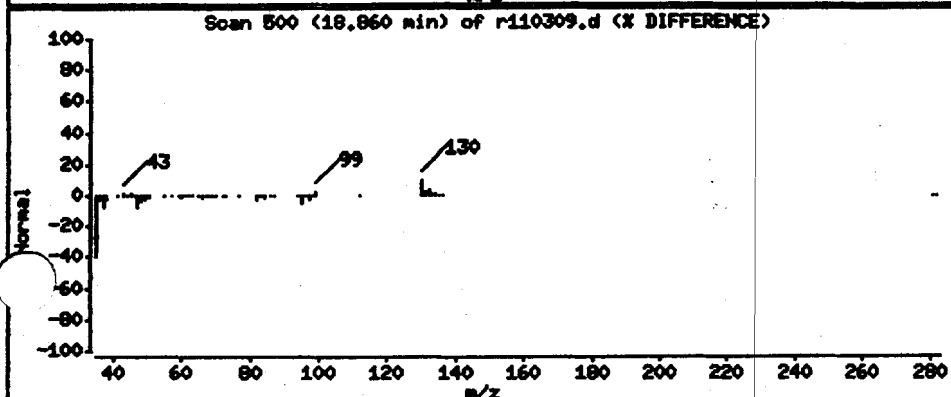
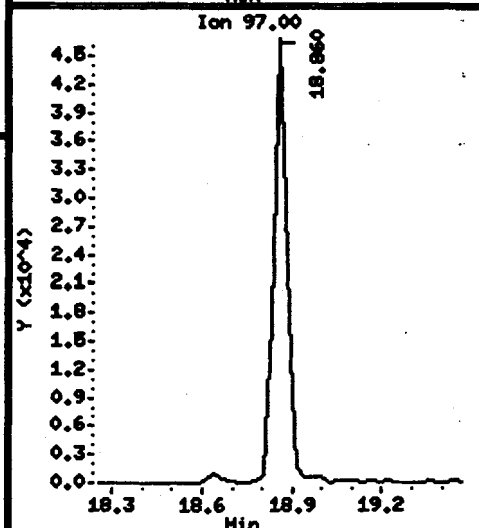
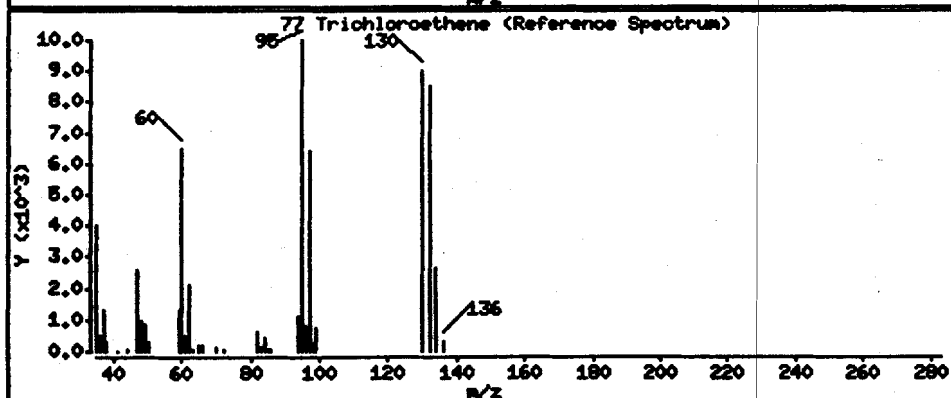
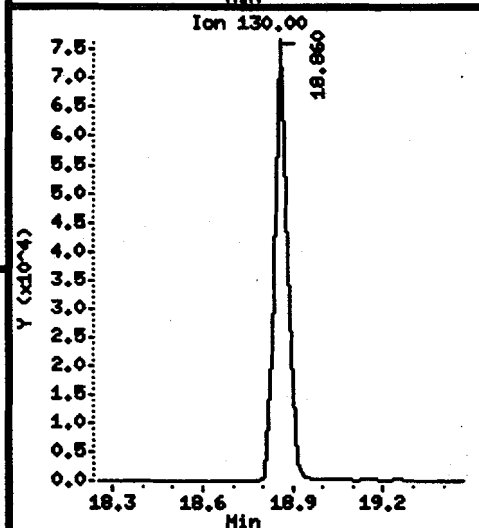
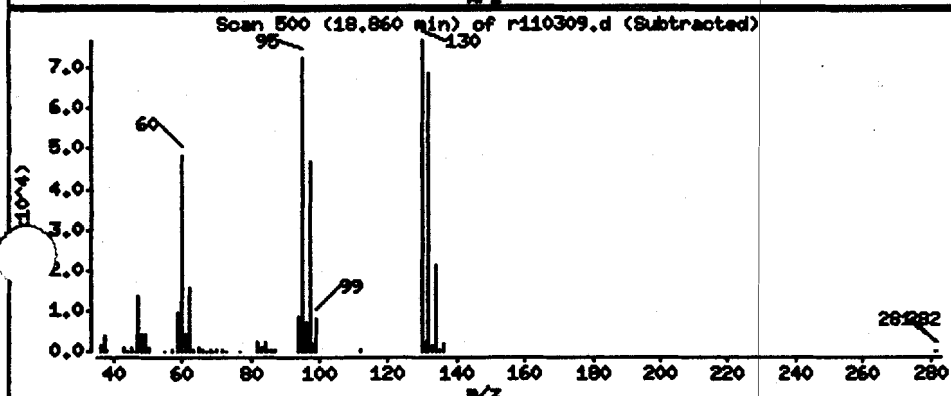
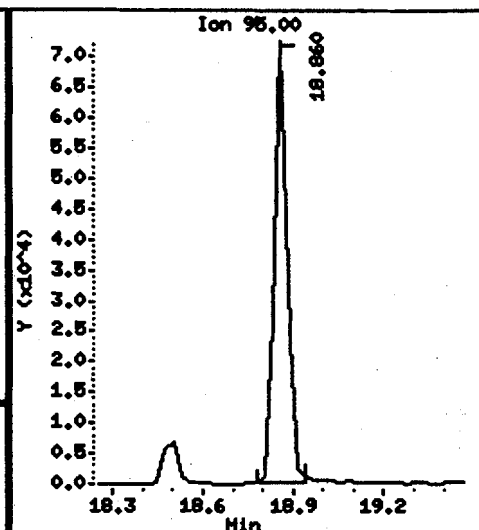
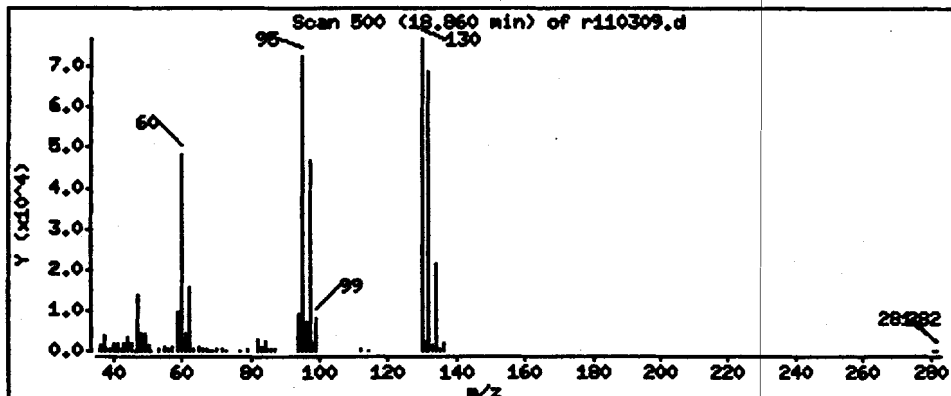
Operator: ML

Column phase: RTX-624

Column diameter: 0.53

77 Trichloroethene

Concentration: 23.213 PPBV



Date File: /var/chem/msdr.1/r-03nov.b/r110309.d

Date: 03-NOV-2000 14:16

Client ID: VP03

Instrument: msdr.1

Sample Info: 200uL Can#31430

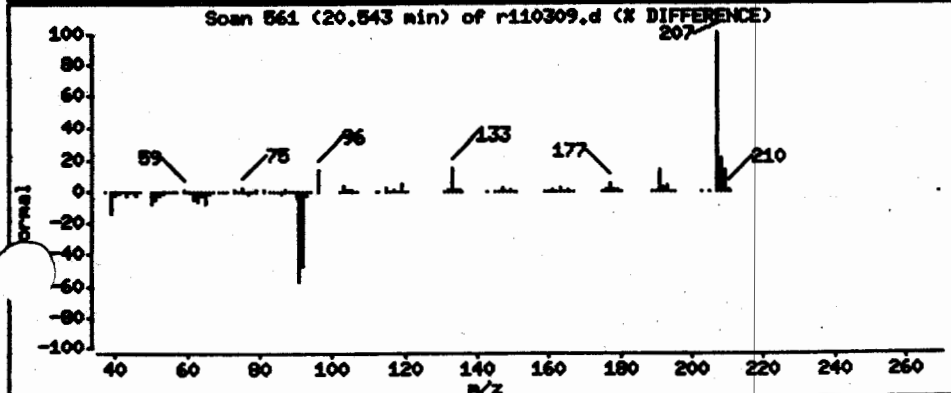
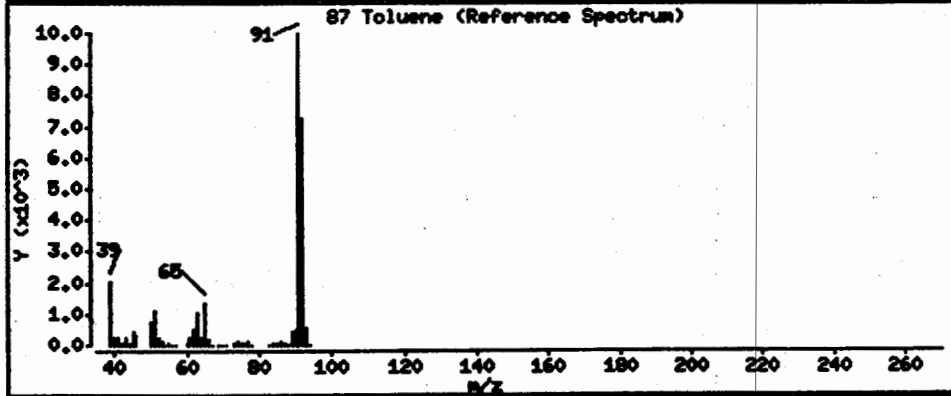
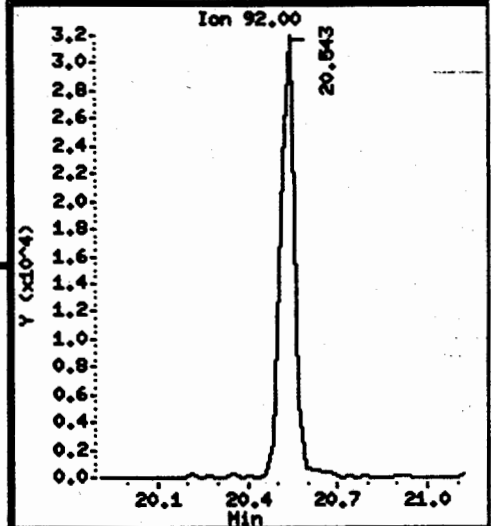
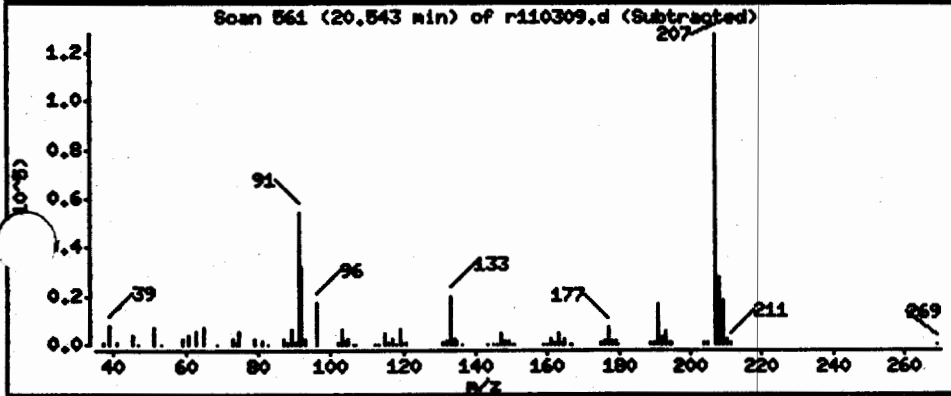
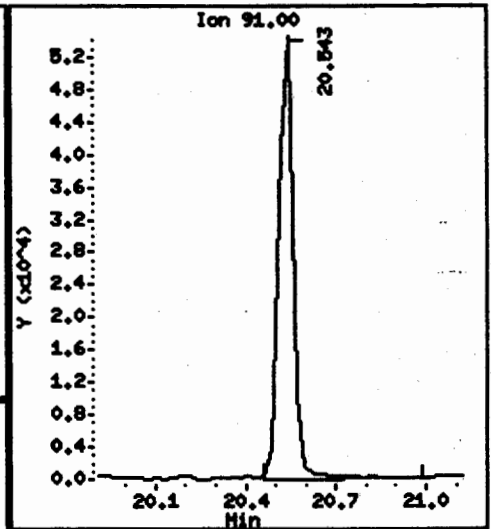
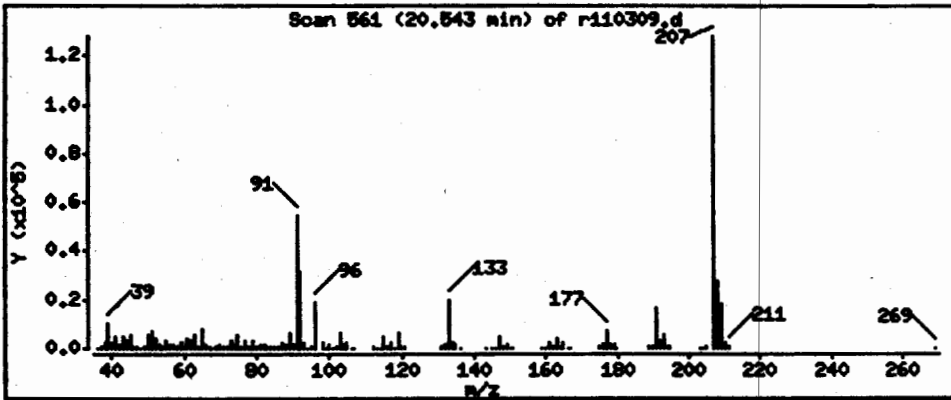
Operator: ML

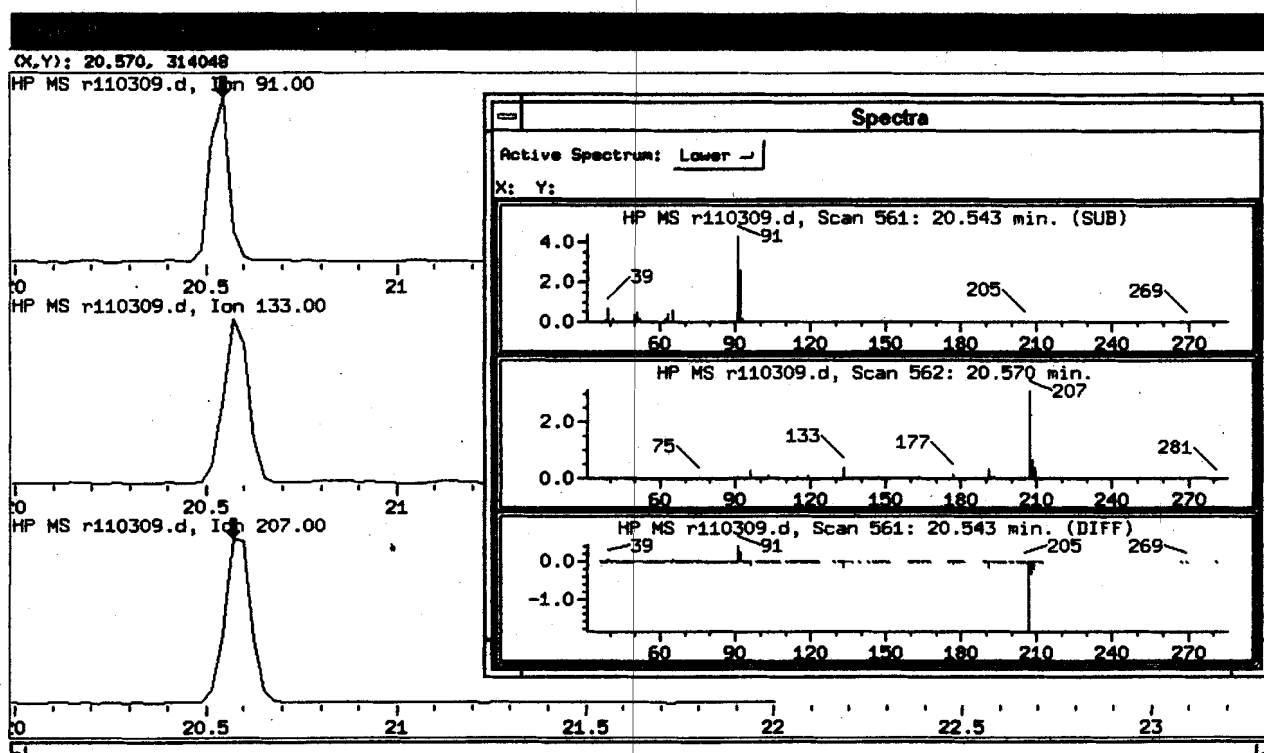
Column phase: RTX-624

Column diameter: 0.53

87 Toluene

Concentration: 7.614 PPBV





Toluene

TH

11/6/00

Data File: /var/chem/msdr.i/r-03nov.b/r110309.d

Page 9

Date : 03-NOV-2000 14:16

Client ID: VP03

Instrument: msdr.1

Sample Info: 200mL Can#31430

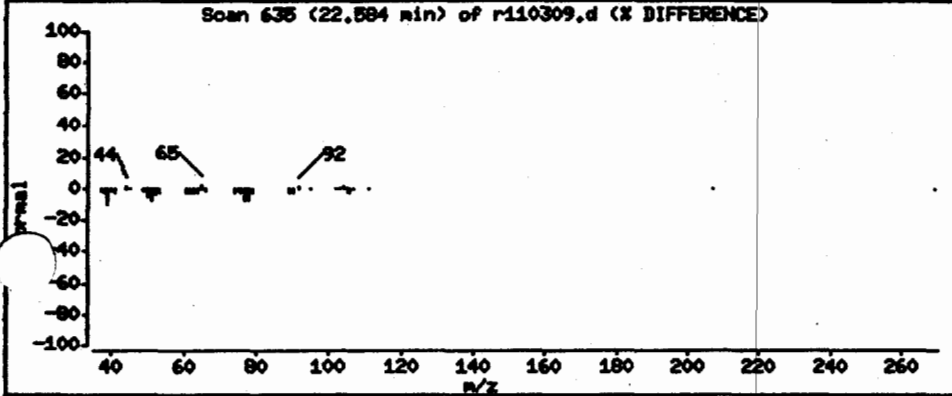
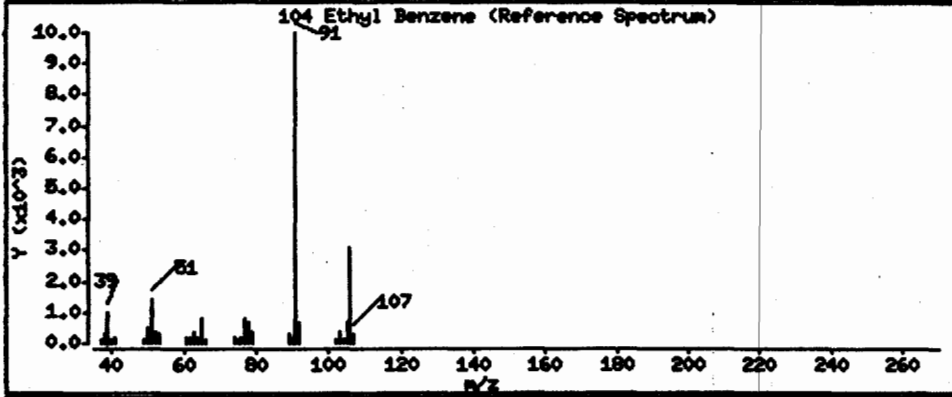
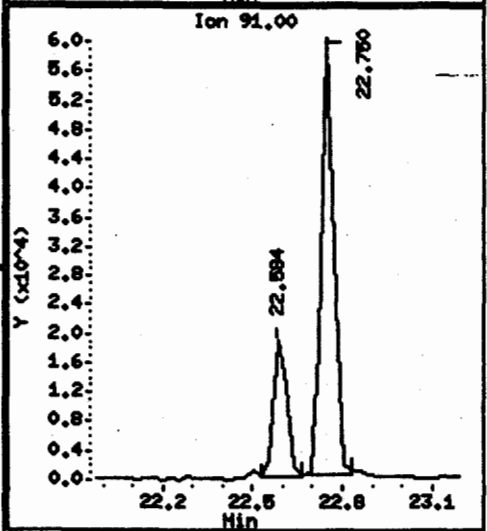
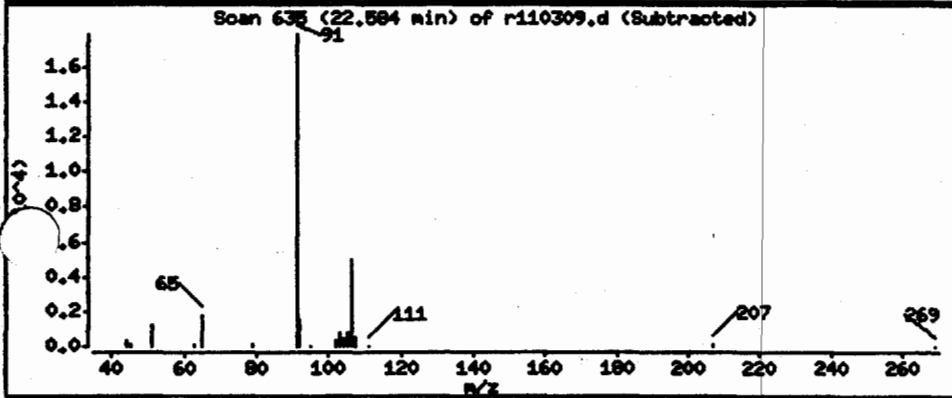
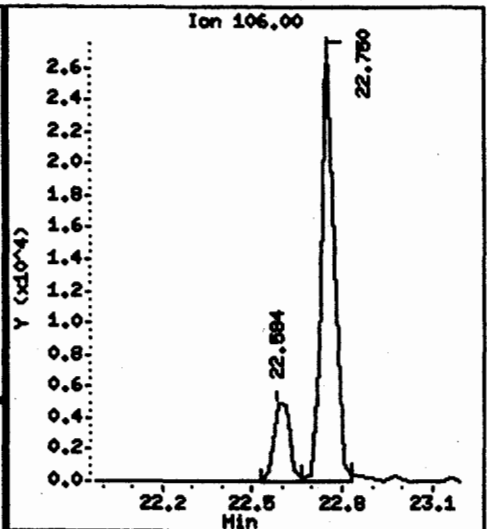
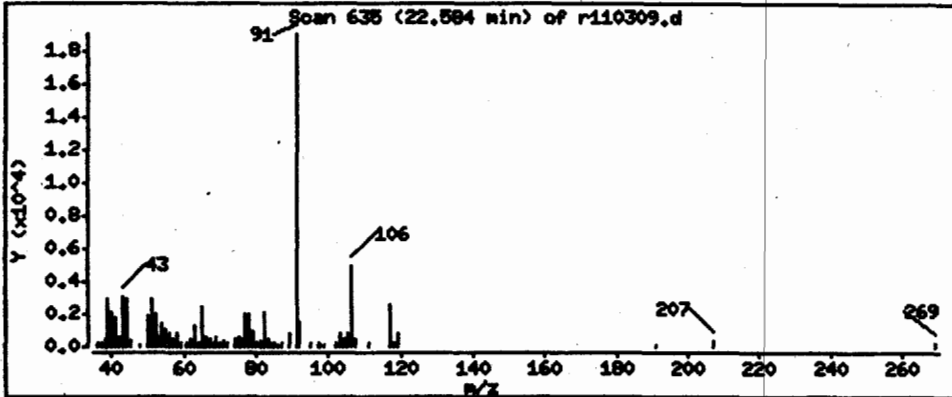
Operator: HL

Column phase: RTX-624

Column diameter: 0.53

104 Ethyl Benzene

Concentration: 1.892 PPBV



Data File: /var/chem/msdr.i/r-03nov.b/r110309.d

Date: 03-NOV-2000 14:16

Client ID: VP03

Instrument: msdr.i

Sample Info: 200uL Can#31430

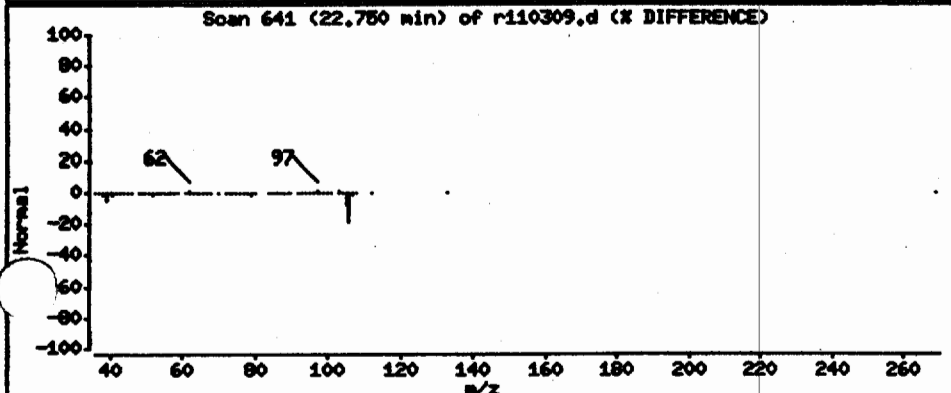
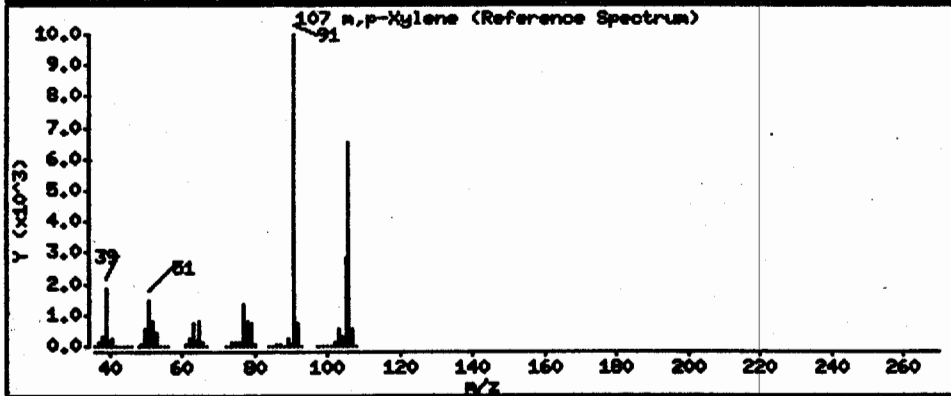
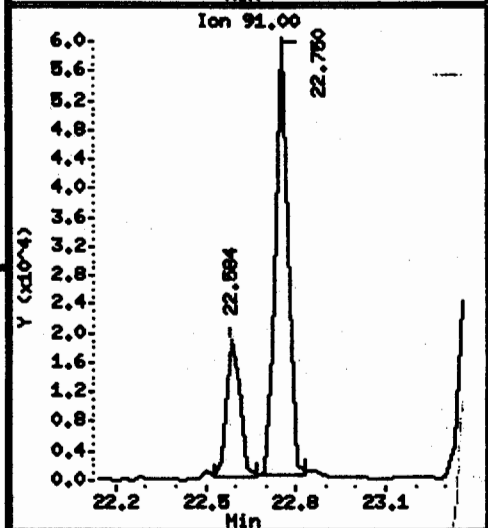
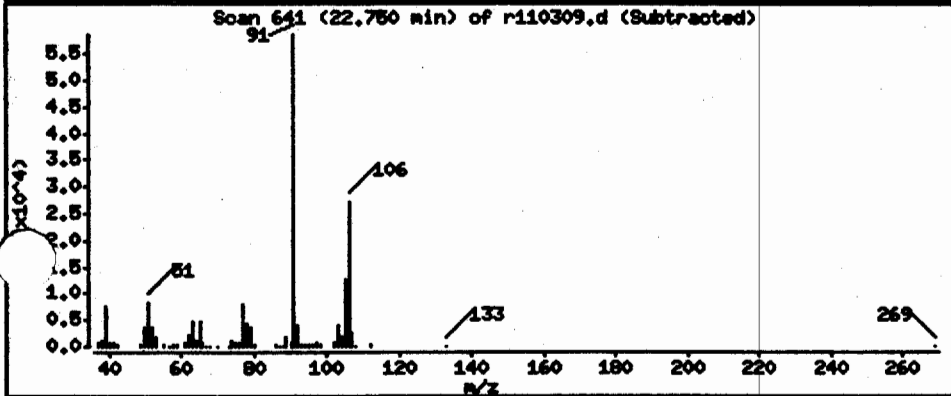
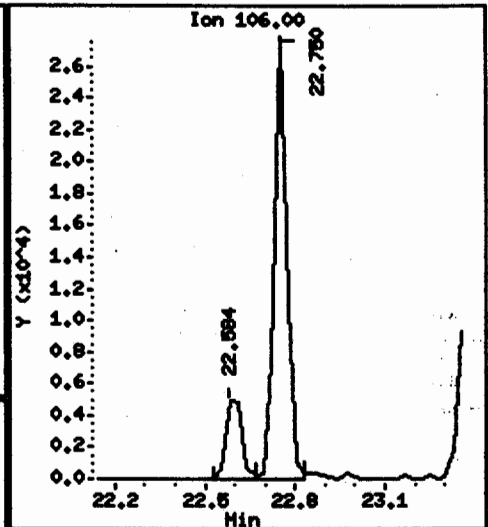
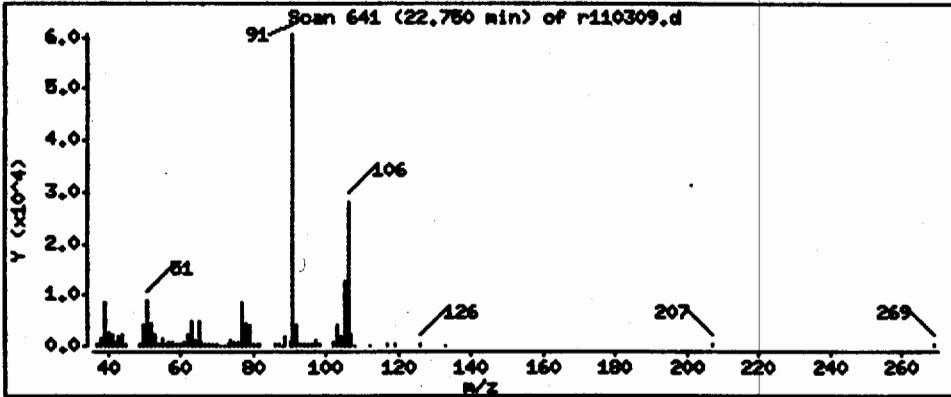
Operator: HL

Column phase: RTX-624

Column diameter: 0.53

107 m,p-Xylene

Concentration: 6.851 PPBV



Data File: /var/chem/msdr.1/r-03nov.b/r110309.d

Date : 03-NOV-2000 14:16

Client ID: VP03

Instrument: msdr.1

Sample Info: 200mL Can#31430

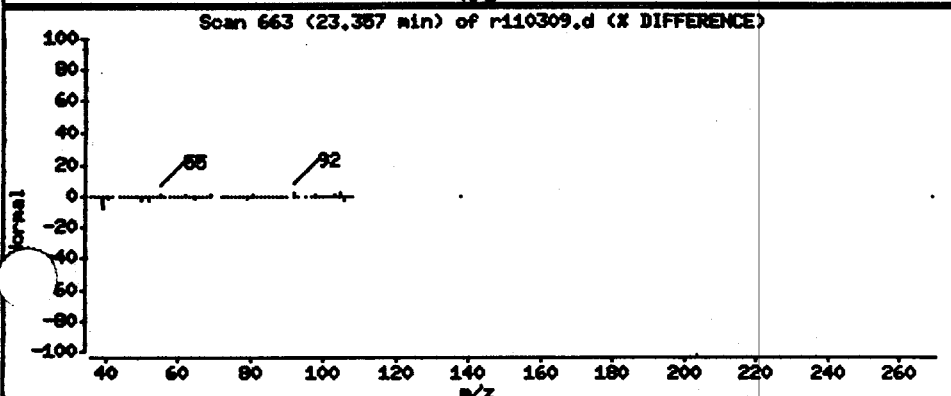
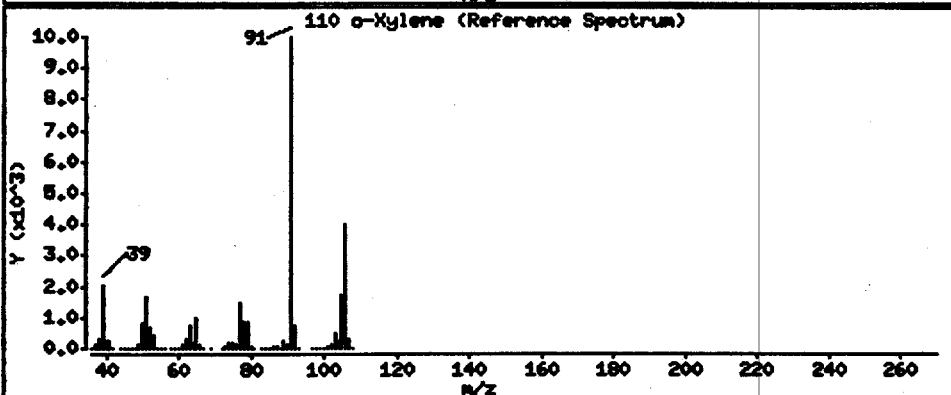
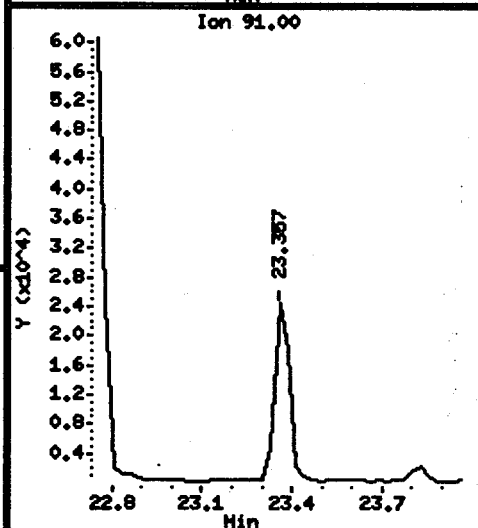
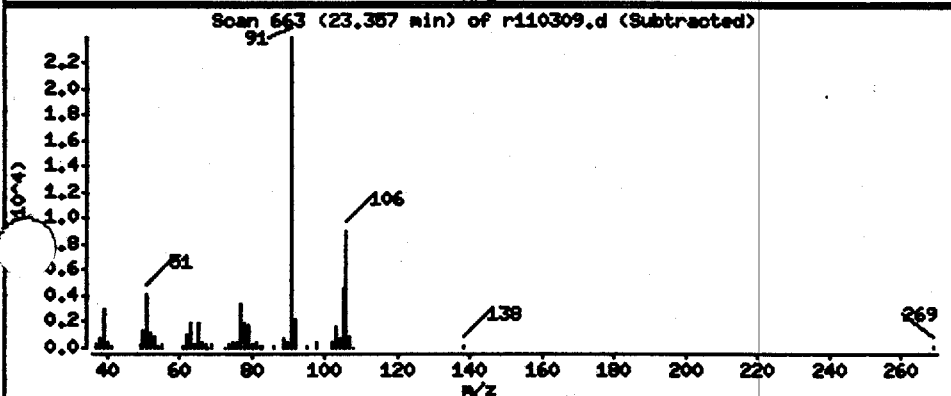
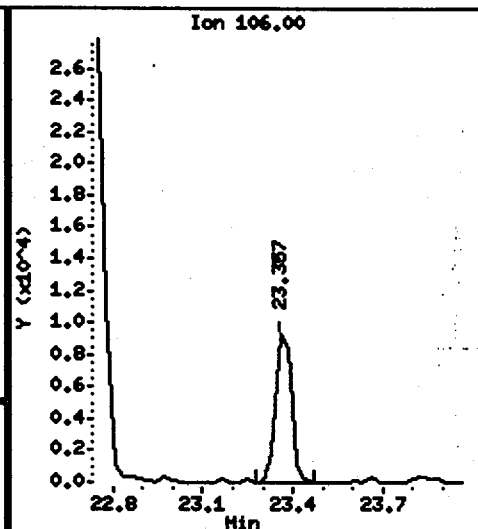
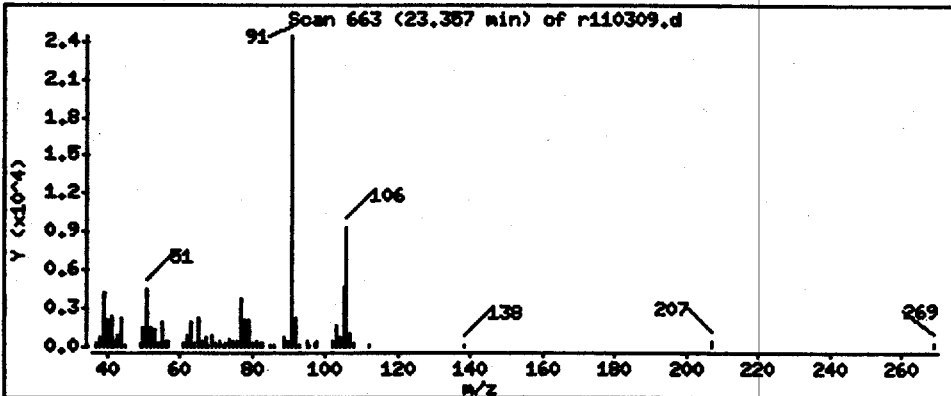
Operator: HL

Column phase: RTX-624

Column diameter: 0.53

110 o-Xylene

Concentration: 3.106 PPBV



AIR TOXICS LTD.

SAMPLE NAME: VP04

ID#: 0010477-04A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	110310	Date of Collection:	10/28/00
Dil. Factor:	1.0	Date of Analysis:	11/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
1,1,1-Trichloroethane	0.86	4.7	Not Detected	Not Detected
Vinyl Chloride	0.86	2.2	Not Detected	Not Detected
Chloroethane	0.86	2.3	Not Detected	Not Detected
1,1-Dichloroethane	0.86	3.4	Not Detected	Not Detected
1,1-Dichloroethane	0.86	3.5	Not Detected	Not Detected
cis-1,2-Dichloroethane	0.86	3.4	Not Detected	Not Detected
Benzene	0.86	2.8	Not Detected	Not Detected
1,2-Dichloroethane	0.86	3.5	Not Detected	Not Detected
Trichloroethene	0.86	4.7	1.8	10
Toluene	0.86	3.3	1.0	4.0
Tetrachloroethene	0.86	5.9	Not Detected	Not Detected
Ethyl Benzene	0.86	3.8	Not Detected	Not Detected
m,p-Xylene	0.86	3.8	1.3	5.8
o-Xylene	0.86	3.8	0.44 J	1.9 J

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	128	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /var/chem/msdr.i/r-03nov.b/r110310.d
 Lab Smp Id: 0010477-04A ✓ Client Smp ID: VP04 ✓
 Inj Date : 03-NOV-2000 14:51
 Operator : ML Inst ID: msdr.i
 Smp Info : 200mL Can#14110
 Misc Info : 6.5"Hg-5psi URS Corp. notics ✓
 Comment :
 Method : /var/chem/msdr.i/r-03nov.b/to141021.m
 Meth Date : 06-Nov-2000 10:10 thuang Quant Type: ISTD
 Cal Date : 25-OCT-2000 12:28 Cal File: r102507.d
 Als bottle: 1
 Dil Factor: 1.71000 ✓
 Integrator: HP RTE Compound Sublist: URSCorp.sub ✓
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

TH
11/6/00

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS											
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PFBV)	ON-COL	FINAL	TARGET	RANGE	RATIO	SIMILARITY
---	-----	-----	----	-----	-----	-----	-----	-----	-----	-----	-----
* 66 Bromochloromethane										CAS #: 74-97-5	
17.291	17.264	(1.000)	130	151264	25.0000			80.00-	120.00	100.00	9369(Q)
17.291	17.264	(0.000)	128	41904				28.35-	128.35	79.98	
17.291	17.264	(0.000)	49	83867				185.10-	285.10	160.08	
* 76 1,4-Difluorobenzene										CAS #: 540-36-3	
18.505	18.478	(1.000)	114	652597	25.0000			80.00-	120.00	100.00	9721
18.505	18.478	(0.000)	88	28064				0.00-	66.64	14.88	
* 102 Chlorobenzene-d5										CAS #: 3114-55-4	
22.506	22.506	(1.000)	117	456365	25.0000			80.00-	120.00	100.00	(Q)
22.506	22.506	(1.000)	82	287894				0.00-	50.00	63.08	
\$ 71 1,2-Dichloroethane-d4										CAS #: 17060-07-0	
18.036	18.037	(1.043)	65	353395	32.1260	32.126		80.00-	120.00	100.00	10000
18.036	18.037	(0.000)	67	42944				0.00-	50.00	41.72	
\$ 86 Toluene-d8										CAS #: 2037-26-5	
36	20.437	(1.104)	98	576446	23.7631	23.763		80.00-	120.00	100.00	9919
436	20.437	(0.000)	70	24841				0.00-	61.22	12.62	

RT	EXP RT	(REL. RT)	MASS	CONCENTRATIONS		TARGET	RANGE	RATIO	SIMILARITY	
				RESPONSE	ON-COL (PPEV)					FINAL (PPEV)
§ 86 Toluene-d8 (continued)										
20.436	20.437	(0.000)	100	133504		17.13-	117.13	67.84		

§ 114 Bromofluorobenzene										
									CAS #: 460-00-4	
24.216	24.217	(1.076)	95	345482	25.1285	25.128	80.00-	120.00	100.00	8083
24.216	24.217	(0.000)	174	79616			23.59-	123.59	64.34	
24.216	24.217	(0.000)	176	78736			20.52-	120.52	63.63	

77 Trichloroethene										
										CAS #: 79-01-6
18.864	18.864	(1.019)	95	16474	1.08503	1.855	80.00-	120.00	100.00	8851
18.864	18.864	(0.000)	130	5881			62.04-	162.04	106.44	
18.864	18.864	(0.000)	97	3714			13.35-	113.35	67.22	

87 Toluene										
										CAS #: 108-88-3
20.547	20.520	(1.110)	91	25517	0.61037	1.044	80.00-	120.00	100.00	6486
20.547	20.520	(0.000)	92	4060			9.87-	109.87	66.60	

107 m,p-Xylene										
										CAS #: 108-38-3
22.754	22.755	(1.011)	106	14405	0.76253	1.304	80.00-	120.00	100.00	(Q)
22.754	22.755	(1.011)	91	30026			0.00-	50.00	208.44	

110 o-Xylene										
										CAS #: 95-47-6
23.361	23.362	(1.038)	106	4688	0.25812	0.4414	80.00-	120.00	100.00	8389(aQ) J
23.361	23.362	(0.000)	91	4313			176.01-	276.01	332.28	

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: /var/chem/msdr.i/r-03nov.b/r110310.d
 Report Date: 06-Nov-2000 10:17

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INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msdr.i
 Lab File ID: r110310.d
 Lab Smp Id: 0010477-04A
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: ML

Calibration Date: 03-NOV-2000
 Calibration Time: 08:40
 Client Smp ID: VP04
 Level: LOW
 Sample Type: AIR

Method File: /var/chem/msdr.i/r-03nov.b/to141021.m
 Misc Info: 6.5"Hg-5psi URS Corp. notices

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
66 Bromochloromethan	220849	132509	309189	151264	-31.51
76 1,4-Difluorobenze	972433	583460	1361406	652597	-32.89
102 Chlorobenzene-d5	695499	417299	973699	456365	-34.38

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
66 Bromochloromethan	17.26	16.76	17.76	17.29	0.16
76 1,4-Difluorobenze	18.48	17.98	18.98	18.51	0.15
102 Chlorobenzene-d5	22.51	22.01	23.01	22.51	0.00

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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 31
 39
 33

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RECOVERY REPORT

Client Name: Client SDG: r-03nov
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0010477-04A Client Smp ID: VP04
Level: LOW Operator: ML
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: URSCorp.sub
Method File: /var/chem/msdr.i/r-03nov.b/to141021.m
Misc Info: 6.5"Hg-5psi URS Corp. notics

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 71 1,2-Dichloroethane	25.000	32.126	128.50	70-130
\$ 86 Toluene-d8	25.000	23.763	95.05	70-130
\$ 114 Bromofluorobenzene	25.000	25.128	100.51	70-130