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R E P O R T

APPENDIX D

PW-1 Borehole Water Quality Results

*Pre-Remedial Design Investigation
and Remedial Design Report*

*Byron Barrel & Drum Site (Area 2)
Byron, New York*

Unisys Corporation
Eagan, Minnesota
and
B.F. Goodrich Co.
Charlotte, North Carolina

December 1999



Committed To *Your* Success

Mr. Doug Rusczyk
Blasland, Bouck & Lee, Inc.
30 Corporate Woods, Suite 160
Rochester, NY 14523

January 20, 1999

Severn Trent Laboratories

10 Hazelwood Drive
Amherst, NY 14228

Tel: (716)691-2600
Fax: (716)691-7991
www.stl-inc.com

RE: Analytical Results

Dear Mr. Rusczyk:

Please find enclosed analytical results concerning the samples recently submitted by your firm. The pertinent information regarding these analyses is listed below:

Quote #: NY99-051
SDG#: PW117
Matrix: Aqueous
Samples Received: 12/22/98
Sample Date: 12/21/98

If you have any questions concerning these data, please contact Ms. Candace Fox, Program Manager, at (716) 691-2600 and refer to the I.D. number listed below. It has been our pleasure to provide Blasland, Bouck & Lee, Inc. with environmental testing services. We look forward to serving you in the future.

Sincerely,

SEVERN TRENT LABORATORIES, INC.

Glad to
Candace L. Fox
Program Manager

K. E. Kasperek
Kenneth E. Kasperek
Laboratory Director

CLF/KEK/Itb
Enclosure

I.D. #A98-6175
#NY8A7783

This report contains \\$\$ pages, which are individually numbered.

Laboratory Locations:

- Monroe, CT
- Pensacola, FL
- University Park, 1
- Billerica, MA
- Westfield, MA
- Edison, NJ
- Whippany, NJ
- Newburgh, NY
- Houston, TX
- Colchester, VT

Service Center Locations:

- Mt. Laurel, NJ
- Glett Cove, NY
- Dallas, TX

Sales Office Locations:

- Cantonment, FL
- New Orleans, LA
- Waterford, MI
- Blairstown, NJ
- Schenectady, NY
- Cleveland, OH

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000001

SAMPLE DATA SUMMARY PACKAGE

Laboratory Name: Severn Trent Laboratories, Inc.

Laboratory Code: STL Buffalo

SDG Number: PW117

Quote Number: NY99-051

Sample Identifications: PW1-17
PW1-23
PW1-23 MS
PW1-23 MSD
TRIP BLANK
EQUIPMENT BLANK

METHODOLOGY

Analyses were performed in accordance with 1995 New York State Analytical Services protocol.

COMMENTS

Comments pertain to data on one or all pages of this report.

The enclosed data has been reported utilizing data qualifiers (Q) as defined on the Organic Data Comment Page.

VOLATILE DATA

Volatile sample and standard areas are listed on the corresponding data system printouts.

Volatile data was processed utilizing Finnigan Autoquantitation and Recra Lab Net's Analytical Information Management Systems (AIMS*) software. All compounds determined to be present by the computer generated autoquantitation were subjected to a manual ion search for secondary and tertiary ions. Unedited quantitation reports have been submitted with this analytical data package.

Compounds Ortho-xylene and Meta & Para-xylene elute separately on a capillary column. They are reponed in this package as Total Xylenes. The concentration is calculated by adding the areas of Ortho-xylene and Meta & Para-xylene, and using only the response factor from Ortho-xylene to calculate the nanogram amount.

Samples TRIP BLANK, VHB and EQUIPMENT BLANK were preserved to a pH of less than two. All of the client samples exhibited pH readings of seven.

Samples PWI-23, Matrix Spike and Matrix Spike Duplicate required dilutions of two due to high concentrations of 1,1,1-Trichloroethane.

commit^ «y«£^ucc^ ^_at ^.^ ^^ package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature."

/A^o /??

Date

This data report shall not be reproduced, except in full, without the written authorization of Severn Trent, Inc.

ORGANIC DATA COMMENT PAGE

Laboratory Name: SEVERN TRENT LABORATORIES INC.

USEPA Defined Organic Data Qualifiers:

- U - Indicates compound was analyzed for but not detected.
- J - Indicates an estimate value. This flag is used either when estimating a concentration for tentatively identified compounds where a i: 1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- T - This flag is used when the analyte is found in the associated TCLP extraction blank as well as in the sample.
- N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results.
- P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25 % difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".
- A - This flag indicates that a TIC is a suspected aldol-condensation product.

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000005

Client No.

Equipment Blank

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG-No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617502

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2220.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

Moisture: not dec. _____

Heated Purge: N

Date Analyzed: 12/31/98

JC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/L) UG/L

Q

74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
[75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
I 75-09-2	Methylene chloride	2	U
* 67-64-1	Acetone	5	U
175-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
1156-59-2	cis-1,2-Dichloroethene	1	U
g 156-60-5	trans-1,2-Dichloroethene	1	U
B 67-66-3	Chloroform	1	U
1 107 - 06 - 2	1,2-Dichloroethane	1	U
178-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1/2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
-179-01-6	Trichloroethene	1	U
1 124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
J 71-43-2	Benzene	1	U
J10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
I 591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
H106-93-4	1,2-Dibromoethane	1	U
J108-88-3	Toluene	0.5	J
108-90-7	Chlorobenzene	1	U
T 100-41-4	Ethylbenzene	1	U

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

00000G

Client No.

Equipment Blank

Lab Name: Reera LabNet

Contract: NY99-051

J,ab Code: RECNY Case No. : _____ SAS No. : _____ SDG No. : PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617502

(.ample wt/vol: 25.00 <g/mL) ML

Lab File ID: L2220.RR

tlevel: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/31/98

•;C Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

'CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

• 100-42-5	Styrene	1	U
11330-20-7	Total Xylenes	1	U
T 541-73-1	1,3-Dichlorobenzene	1	U
^106-46-7	1,4-Dichlorobenzene	1	U
• 95-50-1	1,2-Dichlorobenzene	1	U
^96-12-8	1,2-Dibromo-3-chloropropane	1	U
1.120-82-1	1,2,4-Trichlorobenzene	1	U

EPA 3/95 CLP - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000007

Client No.

Equipment Blank

uab Name: STL Buffalo

Contract: NY99-051

iab Code: RECNY

Case No.: _____

SAS No.:

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617502

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2220.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

.fc Moisture: not dec. _____

Date Analyzed: 12/31/98

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: _____ 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

dumber TICs found: ____;

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Cone.	Q
1. 1066-40-6	TRIMETHYL SILANOL	8.86	3	JN

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000008

Client No

PW1-17

Lab Name: STL Buffalo

Contract: NY99-051

I Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617503

|,Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2212.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/9;

% Moisture: not dec. _____

Heated Purge: N

Date Analyzed: 12/31/98

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 20.00

Soil Extract Volume: (uL)

Soil Aliquot Volume: (UL]

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/L _{kg})	UG/L	Q
74-87-3	Chloromethane		20	U
74-83-9	Bromomethane		20	U
75-01-4	Vinyl chloride		20	U
75-00-3	Chloroethane		20	U
75-09-2	Methylene chloride		9	BJ
67-64-1	Acetone		100	U
75-15-0	Carbon Disulfide		20	U
75-35-4	1,1-Dichloroethene		5	J
75-34-3	1,1-Dichloroethane		20	U
156-59-2	cis-1,2-Dichloroethene		20	U
156-60-5	trans-1,2-Dichloroethene		20	U
67-66-3	Chloroform		20	U
107-06-2	1,2-Dichloroethane		20	U
78-93-3	2-Butanone		100	U
74-97-5	Bromochloromethane		20	U
71-55-6	1,1,1-Trichloroethane		270	
56-23-5	Carbon Tetrachloride		20	U
75-27-4	Bromodichloromethane		20	U
78-87-5	1,2-Dichloropropane		20	U
10061-01-5	cis-1,3-Dichloropropene		20	U
79-01-6	Trichloroethene		11	J
124-48-1	Dibromochloromethane		20	U
79-00-5	1,1,2-Trichloroethane		20	U
71-43-2	Benzene		20	U
10061-02-6	trans-1,3-Dichloropropene		20	U
75-25-2	Bromoform		20	U
108-10-1	4-Methyl-2-pentanone		100	U
591-78-6	2-Hexanone		100	U
127-18-4	Tetrachloroethene		4	J
79-34-5	1,1,2,2-Tetrachloroethane		20	U
106-93-4	1,2-Dibromoethane		20	U
108-88-3	Toluene		20	U
108-90-7	Chlorobenzene		20	U
100-41-4	Ethylbenzene		20	U

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000009

Client No.

PW1-17

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617503

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2212.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/31/98

C Column: DB-624 ID: 0.53 (mm) Dilution Factor: 20.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

100-42-5	Styrene	20	U
1330-20-7	Total Xylenes	20	U
1541-73-1	1,3 -Dichlorobenzene	20	U
106-46-7	1,4 -Dichlorobenzene	20	U
95-50-1	1,2 -Dichlorobenzene	20	U
96-12-8	1, 2-Dibromo-3-chloropropane	20	U
1120-82-1	1,2,4 -Trichlorobenzene	20	U

EPA 3/95 CLP - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000010

Client No.

PW1-17

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code : RECNY

Case No. : _____

SAS No. : .____.

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617503

Sample wt/vol; 25.00 (g/mL) ML

Lab File ID: L2212.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

*- Moisture: not dec. _____

Date Analyzed: 12/31/98

• %C Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 20.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Cone.	Q

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000011

Client No.

PW1-23

Lab Name: Reera LabNet

Contract: NY99-051

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617504

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2221.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 12/31/98

JC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 2.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND
74-87-3	- Chloromethane
74-83-9	•Bromomethane
75-01-4	-Vinyl chloride
75-00-3	-Chloroethane
75-09-2	•Methylene chloride
67-64-1	•Acetone
75-15-0	Carbon Disulfide
75-35-4	1,1-Dichloroethene
75-34-3	1,1-Dichloroethane
56-59-2	cis-1,2-Dichloroethene
56-60-5	•trans-1,2-Dichloroethene
67-66-3	•Chloroform
107-06-2	1,2-Dichloroethane
78-93-3	2-Butanone
74-97-5	Bromochloromethane
71-55-6	•1,1, 1-Trichloroethane
56-23-5	•Carbon Tetrachloride
75-27-4	•Bromodichloromethane
78-87-5	1,2-Dichloropropane
10061-01-5	-cis-1,3-Dichloropropene
79-01-6	•Trichloroethene
124-48-1	Dibromochloromethane
79-00-5	1,1,2-Trichloroethane
71-43-2	-Benzene
10061-02-6	•trans-1,3-Dichloropropene
75-25-2	•Bromoform
108-10-1	•4-Methyl-2-pentanone
591-78-6	2-Hexanone
127-18-4	Tetrachloroethene
79-34-5	•1,1,2,2-Tetrachloroethane
106-93-4	•1,2-Dibromoethane
108-88-3	•Toluene
108-90-7	•Chlorobenzene
100-41-4	•Ethylbenzene

2	U
2	U
2	U
2	U
4	U
10	U
2	U
1	U
4	U
2	U
2	U
2	U
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10	U
2	U
84	U
2	U
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2	U
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2	U
10	U
10	U
2	U
2	U
2	U
0.4	U
2	U
2	U

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000012

Client No.

PW1-23

Lab Name: Reera LabNet

Contract: NY99-051

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617504

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2221.RR

level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 12/31/98

IC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 2.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume; _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND
100-42-5	Styrene
1330-20-7	Total Xylenes
541-73-1	1, 3-Dichlorobenzene
106-46-7	1, 4-Dichlorobenzene
95-50-1	1, 2-Dichlorobenzene
96-12-8	1, 2-Dibromo-3-chloropropane
120-82-1	1, 2, 4-Trichlorobenzene

2	U
2	U
2	U
2	U
2	U
2	U
2	U

EPA 3/95 CLP - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000013

Client No.

PW1-23

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code : RECNY

Case No. :

SAS No.: _____SDG No.: PW117

Lab Sample ID: A8617504

Lab File ID: L2221.RR

Date Samp/Recv: 12/21/98 12/22/98

Date Analyzed: 12/31/98

Dilution Factor: 2.00

Soil Aliquot Volume: _____(uL)

Matrix: (soil/water) WATER

Sample wt/vol: 25.00 (g/mL) ML

Level: (low/med) LOW

** Moisture: not dec. _____

C Column: DB-624 ID: 0.53 (mm)

Soil Extract Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO

Compound Name

RT

Est. Cone.

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000014

Client No.

PW1-23DL

Lab Name: Reera LabNet

Contract: NY99-051

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617504DL

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2213.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/31/98

B-C Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 10.00

Soil Extract Volume: _____ uL

Soil Aliquot Volume: _____ <uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO. COMPOUND

• 74-87-3	Chloromethane	10	U
I 74-83-9	Bromomethane	10	U
175-01-4	Vinyl chloride	10	U
J 75-00-3	Chloroethane	10	U
1 75-09-2	Methylene chloride	4	BDJ
^ 67-64-1	Acetone	50	U
175-15-0	Carbon Disulfide	10	U
• 75-35-4	1,1-Dichloroethene	10	U
B 75-34-3	1,1-Dichloroethane	3	DJ
\ 156-59-2	cis-1,2-Dichloroethene	10	U
• 156-60-5	trans-1,2-Dichloroethene	10	U
167-66-3	Chloroform	10	U
^ 107-06-2	1,2-Dichloroethane	10	U
178-93-3	2-Butanone	- 50	U
B 74-97-5	Bromochloromethane	10	U
•• 71-55-6	1,1,1-Trichloroethane	120	D
56-2 3-5	Carbon Tetrachloride	10	U
• J 75-27-4	Bromodichloromethane	10	U
B; 7 8-87-5	1,2-Dichloropropane	10	U
T 10061-01-5	cis-1,3-Dichloropropene	10	U
- ' 79-01-6	Trichloroethene	2	DJ
• 124-48-1	Dibromochloromethane	10	U
B 79-00-5	1,1,2-Trichloroethane	10	U
\ 71-43-2	Benzene	10	U
• 10061-02-6	trans-1,3-Dichloropropene	10	U
B 75-25-2	Bromoform	10	U
T 108-10-1	4-Methyl-2-pentanone	50	U
' • 591-78-6	2-Hexanone	50	U
• 127-18-4	Tetrachloroethene	10	U
• 79-34-5	1,1,2,2-Tetrachloroethane	10	U
T 106-93-4	1,2-Dibromoethane	10	U
• 108-88-3	Toluene	10	U
B 108-90-7	Chlorobenzene	10	U
T 100-41-4	Ethylbenzene	10	U

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000015

Client No.

PW1-23DL

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY

Case No. : _____

SAS No.:

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617504DL

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2213.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

- Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 12/31/98

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 10.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/L

Q

1			
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U
1541-73-1	1,3 -Dichlorobenzene	10	U
106-46-7	1,4 -Dichlorobenzene	10	U
95-50-1	1,2 -Dichlorobenzene	10	U
96-12-8	1,2-Dibromo - 3 -chloropropane	10	U
1120-82-1	1,2,4-Trichlorobenzene	10	U

EPA 3/95 CLP - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000016

Client No.

PW1-23DL

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY

Case No.: _____

SAS No.:

SVG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617504DL

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2213.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

Moisture: not dec. _____

Date Analyzed: 12/31/98

C Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 10.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

Compound Name

RT

Est. Cone.

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000018

Client No.

Trip Blank

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617501

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2219.RR

Level: (low/med) LOW

Date Samp/Recv: 12/17/98 12/22/98

Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 12/31/98

IC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ [uL]

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND
100-42-5	Styrene
1330-20-7	Total Xylenes
541-73-1	1,3-Dichlorobenzene
106-46-7	1,4-Dichlorobenzene
95-50-1	1,2-Dichlorobenzene
96-12-8	1,2-Dibromo-3-chloropropane
120-82-1	1,2,4-Trichlorobenzene

1	U
1	U
1	U
1	U
1	U
1	U
1	U

EPA 3/95 CLP - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000019

Client No.

Trip Blank

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY

Case No.: _____

SAS No.:

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617501

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2219.RR

Level: (low/med) LOW

Date Samp/Recv: 12/17/98 12/22/98

Moisture: not dec. _____

Date Analyzed: 12/31/98

C Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO	Compound Name	RT	Est. Cone.	Q
1.	SILANE, FLUOROTRIMETHYL-	2.91		
2.	SILANOL, TRIMETHYL-	8.90		

EPA 3/95 CLP - VDIATILES
WATER SURROGATE RECOVERY

000020

Lab Name: STL Buffalo

Contract: NY99-051

Lab Code: RECNY

Case No.:

SAS No.:

SDG No. : PW117

	Client Sample ID	BFB %REC #							TOT CUT
1	Equipment Blank	100							0
2	LCS	94							0
3	PW1-17	106							0
4	PW1-23	99							0
5	PW1-23 MS	100							0
6	PW1-23 SD	100							0
7	PW1-23DL	97							0
8	Trip Blank	94							0
9	VBLK78	99							0
10	Volatile Holding Blk	99							0

QC LIMITS

BFB = p-Bromofluorobenzene

(80-120)

- # Column to be used to flag recovery values
- * Values outside of contract required QC limits
- D Surrogates diluted out

EPA 3/95 CLP - VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

000021

Lab Name: STL Buffalo

Contract: NY99-051

Lab Samp ID: A8617507

Lab Code: RECNY Case No.: _____

SAS No.: _____

SDG No. : PW117

Matrix Spike - Client Sample No.: •VDLK78 *///doa*

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB 9, REC #	QC LIMITS REC.
Vinyl chloride	5.0	4.3	88	60 - 140
1,2-Dichloroethane	5.0	5.6	113	60 - 140
Carbon Tetrachloride	5.0	6.0	122	60 - 140
1,2-Dichloropropane	5.0	5.8	118	60 - 140
cis-1,3-Dichloropropene_	5.0	5.3	107	60 - 140
Trichloroethene	5.0	6.1	123	60 - 140
1,1,2-Trichloroethane	5.0	5.4	108	60 - 140
Benzene	5.0	5.8	117	60 - 140
Bromoform	5.0	5.3	107	60 - 140
Tetrachloroethene	5.0	5.7	116	60 - 140
1,2 -Dibrcmoethane	5.0	5.2	105	60 - 140
1,4-Dichlorobenzene	5.0	6.1	124	60 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of ____ 12 outside limits

Comments: _____

EPA 3/95 CLP - VOLATILES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

0000PA

Lab Name: STL Buffalo

Contract: NY99-051

Lab Samp ID: A8617504

Lab Cede: RECNY

Case No.:

SAS No.:

SDG NO. : PW117

Matrix Spike - Client Sample No.: PW1-23

CCMPCUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS REC #	QC LIMITS REC.
Vinyl chloride	10	0	9.5	95	60 - 140
1,2-Dichloroethane	10	0	12.4	124	60 - 140
Carbon Tetrachloride	10	0	11.7	118	60 - 140
1,2-Dichloropropane	10	0	12.2	122	60 - 140
cis-1,3-Dichloropropene	10	0	10.2	102	60 - 140
Trichloroethene	10	1.0	14.6	137	60 - 140
1,1,2-Trichloroethane	10	0	12.2	122	60 - 140
Benzene	10	0	12.6	126	60 - 140
Bromoform	10	0	10.4	105	60 - 140
Tetrachloroethene	10	0	11.8	119	60 - 140
1,2-Dibromoe thane	10	0	11.0	110	60 - 140
1,4-Dichlorobenzene	10	0	12.7	128	60 - 140

CCMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	RPD #	QC LIMITS REC.
Vinyl chloride	10	9.3	93	2	20 60 - 140
1,2-Dichloroethane	10	12.4	125	0	20 60 - 140
Carbon Tetrachloride	10	11.9	119	0	20 60 - 140
1,2-Dichloropropane	10	12.5	126	3	20 60 - 140
cis-1,3-Dichloropropene	10	10.4	104	2	20 60 - 140
Trichloroethene	10	14.4	135	1	20 60 - 140
1,1,2-Trichloroethane	10	13.1	131	7	20 60 - 140
Benzene	10	13.1	132	5	20 60 - 140
Bromoform	10	10.9	109	4	20 60 - 140
Tetrachloroethene	10	12.3	124	4	20 60 - 140
1,2-Dibromoethane	10	11.5	115	4	20 60 - 140
1,4-Dichlorobenzene	10	13.1	131	2	20 60 - 140

Column to be used to flag recovery and RPD values with an asterisk

Values outside of QC limits

RPD: ___0 out of ___12 outside limits

Kpike recovery: 0 out of ___24 outside limits

Comments: ___

EPA 3/95 CLP - VOLATILES
METHOD BLANK SUMMARY

000023

Client No

Lab Name: STL Buffalo Contract: NY99-051 VBLK78
Lab Code: RECNY Case No.: SAS No.: SDG No.: PW117
Lab File ID: L2210.RR Lab Sample ID: A8617507
Date Analyzed: 12/31/98 Time Analyzed: 13:39
GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N
Instrument ID: I50L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
Equipment Blank	A8617502	L2220.RR	19:28
LCS	A8617506	L2211.RR	14:27
PW1-17	A8617503	L2212.RR	14:59
PW1-23	A8617504	L2221.RR	20:00
PW1-23 MS	A8617504MS	L2222.RR	20:31
PW1-23 SD	A8617504SD	L2223.RR	21:03
PW1-23DL	A8617504DL	L2213.RR	15:30
Trip Blank	A8617501	L2219.RR	18:56
Volatile Holding Blk	A8617505	L2218.RR	18:25

Comments:

000024

Client No

VBLK78

Lab Name: Reera LabNet

Contract: NY99-051

ab Code : RECN Y Case No. : SAS No. : SDG No. : PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617507

• sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2210.RR

Level: (low/med) **LOW**

Date Samp/Recv:

Moisture: not dec. Heated Purge: N Date Analyzed: 12/31/98

C Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1JDQ

Soil Extract Volume: (UL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND
1000000000	1
1000000000	2
1000000000	3
1000000000	4
1000000000	5
1000000000	6
1000000000	7
1000000000	8
1000000000	9
1000000000	10
1000000000	11
1000000000	12
1000000000	13
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1000000000	99
1000000000	100

74-87-3	-Chloromethane
74-83-9	•Bromomethane
75-01-4	•Vinyl chloride [^]
75-00-3	-Chloroethane
75-09-2	-Methylene chloride
7-64-1	-Acetone
5-15-0	Carbon Disulfide
5-35-4	1,1-Dichloroethene
75-34-3	1,1-Dichloroethane
156-59-2--	cis-1,2-Dichloroethene
56-60-5--	trans-1,2-Dichloroethene
67-66-3	Chloroform
107-06-2--	1,2-Dichloroethane
178-93-3	2-Butanone
74-97-5	Bromochloromethane
71-55-6	-1,1,1-Trichloroethane
56-23-5--	-Carbon Tetrachloride [^]
75-27-4	•Bromodichloromethane
78-87-5	•1,2-Dichloropropane
10061-01-5	•cis-1,3-Dichloropropene
•79-01-6	•Trichloroethene
124-48-1--	Dibromochloromethane
79-00-5	1,1,2-Trichloroethane
71-43-2	Benzene
-10061-02-6	•trans-1,3-Dichloropropene
75-25-2	-Bromoform
108-10-1--	4-Methyl-2-pentanone
591-78-6--	2-Hexanone
127-18-4--	Tetrachloroethene
79-34-5	•1,1,2,2-Tetrachloroethane [^]
106-93-4--	•1,2-Dibromoethane
108-88-3--	-Toluene
108-90-7--	•Chlorobenzene
100-41-4--	•Ethylbenzene

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EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000Cr^

Client No.

VLK78

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY Case No.: SAS No.: SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617507

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2210.RR

Level: (low/med) LOW

Date Samp/Recv:

- Moisture: not dec. Heated Purge: N Date Analyzed: 12/31/98

C Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: (uL)

Soil Aliquot Volume: [uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

100-42-5	Styrene	1	U
1330-20-7	Total Xylenes	1	U
1541-73-1	1, 3-Dichlorobenzene	1	U
106-46-7	1, 4-Dichlorobenzene	1	U
95-50-1	1,2 -Dichlorobenzene	1	U
96-12-8	1, 2-Dibromo-3-chloropropane	1	U
1120-82-1	1,2,4 -Trichlorobenzene	1	U

EPA 3/95 CLP - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000026

Client No

VBLK78

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY

Case No.: _____

SAS No.:

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617507

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2210.RR

Level: (low/med) LOW

Date Samp/Recv: _____

•i Moisture: not dec. _____

Date Analyzed: 12/31/98

JC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

Compound Name

RT

Est. Cone.

Q

EPA 3/95 CLP - VOLATILES
VOLATILE INTERNAL STANDARD AREA AND RT SIMILARITY 0 0 0 0 2 7

Lab Name: STL Buffalo Contract: NY99-051 Labsampid: AfCO003285
 Lab Code: RECNY Case No.: _____ SAS No.: _____ SEG No.: PW117
 Lab File ID (Standard) : L6348.RR Date Analyzed: 07/28/98
 Instrument ID: I50L Time Analyzed: IP•05
 GC Column(1): DB-624 ID: 0.530(rm) Heated Purge: (Y/N) N

	IS1 (CBZ) AREA #	RT #	IS2 (DCS) AREA #	RT #	IS3 (DEB) AREA #	RT #
12 HOUR STD	534228	16.89	269985	20.56	677404	11.77
UPPER LIMIT	747919	17.22	377979	20.89	948366	12.10
LOWER LIMIT	320537	16.56	161991	20.23	406442	11.44
CONTINENT SAMPLE						
VSTD001	589674	16.91	294301	20.57	744647	11.79
VSTD002	590456	16.91	296554	20.58	736536	11.79
VSTD005	534228	16.89	269985	20.56	677404	11.77
VSTC010	5;•^44	16.91	269627	20.57	649817	11.80
VSTD025	571986	16.94	286453	20.61	675374	11.80

AP3A UNIT
QC LIMITS

RT
QC LIMITS

151 (CBZ) = Chlorobenzene-D5 (60-140) •0.33 / +0.33 min
 152 (DCB) = 1,4-Dichlorobenzene-D4 (60-140) -0.33 / +0.33 min
 153 (DFB) = 1,4-Difluorobenzene (60-140) •0.33 / +0.33 min

Column to be used to flag recovery values
 * Values outside of contract required QC limits

EPA 3/95 CLP - VOIATILES
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

000028

Lab Name: STL Buffalo Contract: NY99-051 Labsampid: A9C0000013
 Lab Code: RECNY Case No. : SAS No. : SDG NO.: PW117
 Lab File ID (Standard): L2209.RR Date Analyzed: 12/31/98
 Instrument ID: I50L Time Analyzed: 12:51
 GC Column(1): DB-624 ID: 0.530(nm) Heated Purge: (Y/N) N

		IS1 (CBZ)		RT	#	IS2 (DCB)		RT	#	IS3 (DFB)		RT	#
		AREA	#			AREA	#			AREA	#		
	12 HOUR STD	430346		16.88		219200		20.54		491339		11.76	
	UPPER LIMIT	602484		17.21		306880		20.87		687875		12.09	
	LOWER LIMIT	258208		16.55		131520		20.21		294803		11.43	
	CLIENT SAMPLE												
1	Equipment Blank	481601		16.88		239386		20.54		526310		11.74	
2	LCS	428547		16.87		214141		20.52		496485		11.73	
3	FW1-17	468036		16.88		218481		20.53		473574		11.75	
4	PW1-23	475866		16.87		228649		20.53		514128		11.73	
5	PW1-23 MS	488024		16.88		247664		20.56		529465		11.74	
6	PW1-23 SD	488784		16.87		251656		20.52		540155		11.74	
7	PW1-23DL	439572		16.85		216660		20.52		495946		11.73	
8	Trip Blank	476315		16.89		229712		20.54		543615		11.78	
9	VBLK78	445191		16.89		202377		20.54		475018		11.75	
10	Volatile Holding Blk	464440		16.88		232009		20.54		510689 •		11.74	

AREA UNIT
QZ LIMITS

RT
QC LIMITS

151 (CBZ) = Chlorobenzene-D5 { 60-140) •0.33 / +0.33 min
 152 (DCB) = 1,4-Dichlorobenzene-D4 (60-140) •0.33 / +0.33 min
 153 (DFB) = 1,4-Difluorobenzene (60-140) -0.33 / +0.33 min

Column to be used to flag recovery values
 * Values outside of contract required QP limits

000029

SAMPLE DATA PACKAGE

SDG NARRATIVE



Laboratory Name: Severn Trent Laboratories, Inc.

Laboratory Code: STL Buffalo

SDG Number: PW117

Quote Number: NY99-051

Sample Identifications: PW1-17
PW1-23
PW1-23 MS
PW1-23 MSD
TRIP BLANK
EQUIPMENT BLANK

METHODOLOGY

Analyses were performed in accordance with 1995 New York State Analytical Services protocol.

COMMENTS

Comments pertain to data on one or all pages of this report.

The enclosed data has been reported utilizing data qualifiers (Q) as defined on the Organic Data Comment Page.

VOLATILE DATA

Volatile sample and standard areas are listed on the corresponding data system printouts.

Volatile data was processed utilizing Finnigan Autoquantitation and Recra LabNet's Analytical Information Management Systems (AIMS®) software. All compounds determined to be present by the computer generated autoquantitation were subjected to a manual ion search for secondary and tertiary ions. Unedited quantitation reports have been submitted with this analytical data package.

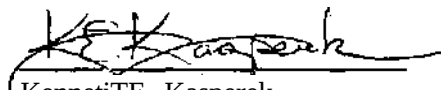
Compounds Ortho-xylene and Meta & Para-xylene elute separately on a capillary column. They are reported in this package as Total Xylenes. The concentration is calculated by adding the areas of Ortho-xylene and Meta & Para-xylene, and using only the response factor from Ortho-xylene to calculate the nanogram amount.

Samples TRIP BLANK, VHB and EQUIPMENT BLANK were preserved to a pH of less than two. All of the client samples exhibited pH readings of seven.

Samples PW1-23, Matrix Spike and Matrix Spike Duplicate required dilutions of two due to high concentrations of 1,1,1-Trichloroethane.

Co mm v

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature."



Kenneth E. Kasperek
Laboratory Director

//j^/tr

Date

This data report shall not be reproduced, except in **full, without** the written authorization of Severn Trent, Inc.

CHAIN OF CUSTODY DOCUMENTATION

RECRA LABNET, a division of Recra Environmental, Inc.

CHAIN OF CUSTODY RECORD

PROJECT NO 773.03^		SIZE NAME-, 2ffak//fa&, tJtoAt		NO OF CON TAINERS	/ / / / / / / / / / / / / / / / # / / / / / / / /						REMARKS
SAMPLERS HfIGNA^UR£ V7											
«5s°r^«	TIME	Cfttfi	STATION LOCATION								
ft»		^7	litp Buwx-~-	Z-	y					) Sro)JbA«j> ~TV^JAfiaVAJ&	
fl^ W %	<l>	<s	I^i?k&3r£z&j>-—	2_	2					/ -TIHG^ ijj/ CLP B^OiAte ¹ -	
Wi-rf %		~7~	•fouflteofl^ S'^	2-	y/					^	
WI'Z3 tk	lt0>>	y	<W kteu~(ZL'&0	Z-	y						
aiww %>	<*30	y	Wulat/tf-^fOws	-z~	y						
(WZ3MSJ %k	Lt?50	ls	&M*ldt*cf&'*ltOM5&	Z--	y					J	
feELINQI/T5*eOyfIY (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)		RELINQUISHED BY (SIGNATURE)		DATE/TIME		RECEIVED BY (SIGNATURE)		r	
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VOLATILES 0ATA

QC SUWARY



EPA 3/95 CLP - V01ATILES
WATER SURROGATE RECOVERY

000037

Lab Name: STL Buffalo

Contract: NY99-051

Lab Code: RECNY

Case No.:

SAS No.:

SDG No.

PW117

	Client Sample ID	BFB %REC #							TOT OUT
1	Equipment Blank	100							0
2	LCS	94							0
3	FW1-17	106							0
4	PW1-23	99							0
5	PW1-23 MS	100							-0
6	PW1-23 SD	100							0
7	PW1-23DL	97							0
8	Trip Blank	94							0
9	VLK78	99							0
10	Volatile Holding Blk	99							0

QC LIMITS

BFB = p-Bromofluorobenzene

(80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

EPA 3/95 CLP - VDIATILES
WATER MATRIX SPIKE BLANK RECOVERY

000038

Lab Name: STL Buffalo

Contract: NY99-051

Lab Samp ID: A8617507

Lab Code: RECNY Case No.: SAS No.:

SDG No.: PW117

Matrix Spike - Client Sample No.: -VBLK70 *Hi< t*

OKPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION U3/L	MSB REC #	QC LIMITS REC.
Vinyl chloride_			88	60 - 140
1,2-Dichloroethane			113	60 - 140
Carbon Tetrachloride_			122	60 - 140
1,2-Dichloropropane			118	60 - 140
cis-1,3-Dichloropropene_			107	60 - 140
Trichloroethene			123	60 - 140
1,1,2 -Trichloroethane_			108	60 - 140
Benzene			117	60 - 140
Brcmoform			107	60 - 140
Tetrachloroethene			116	60 - 140
1,2 -Dibromoethane			105	60 - 140
1,4-Dichlorobenzene			124	60 - 140

t Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 12 outside limits

ferments:

EPA 3/95 CLP - VOLATILES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

000039

Lab Name: STL Buffalo

Contract: NY99-051

Lab Samp ID: A8617504

Lab Code: RECNY Case No. :

SAS No. :

SDG No. : PW117

Matrix Spike - Client Sample No.: PW1-23

1 i	COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
	Vinyl chloride	10	0	9.5	95	60 - 140
	1,2-Dichloroethane	10	0	12.4	124	60 - 140
	Carbon Tetrachloride	10	0	11.7	118	60 - 140
	1,2-Dichloropropane	10	0	12.2	122	60 - 140
	cis-1,3-Dichloropropene	10	0	10.2	102	60 - 140
	Trichloroethene	10	1.0	14.6	137	60 - 140
	1,1,2-Trichloroethane	10	0	12.2	122	60 - 140
	Benzene	10	0	12.6	126	60 - 140
	Bromoform	10	0	10.4	105	60 - 140
	Tetrachloroethene	10	0	11.8	119	60 - 140
	1,2-Dibromoethane	10	0	11.0	110	60 - 140
	1,4-Dichlorobenzene	10	0	12.7	128	60 - 140

1 i	COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD REC.
	Vinyl chloride	10	9-3	93	2	20 60 - 140
	1,2-Dichloroethane	10	12.4	125	0	20 60 - 140
	Carbon Tetrachloride	10	11.9	119	0	20 60 - 140
	1,2-Dichloropropane	10	12.5	126	3	20 -60 - 140
	cis-1,3-Dichloropropene	10	10.4	104	2	20 60 - 140
	Trichloroethene	10	14.4	135	1	20 60 - 140
	1,1,2-Trichloroethane	10	13.1	131	7	20 60 - 140
	Benzene	10	13-1	132	5	20 60 - 140
	Bromoform	10	10.9	109	4	20 60 - 140
	Tetrachloroethene	10	12.3	124	4	20 60 - 140
	1,2-Dibromoethane	10	11.5	115	4	20 60 - 140
	1,4-Dichlorobenzene	10	13.1	131	2	20 60 - 140

W Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 12 outside limits

>pike recovery: 0 out of 24 outside limits

Adornments:

EPA 3/95 CLP - VOLATILES
METHOD BLANK SUMMARY

000040

Client No

VLBK78

Lab Name: STL Buffalo

Contract: NY99-051

Lab Code: RECN

Case No.:

SAS No.:

SDG No.: PW117

Lab File ID: L2210.RR

Lab Sample ID: A8617507

Date Analyzed: 12/31/98

Time Analyzed: 13:39

GC Column: DB-624

ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: I50L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
Equipment Blank	A8617502	L2220.RR	19:28
LCS	A8617506	L2211.RR	14:27
PW1-17	A8617503	L2212.RR	14:59
PW1-23	A8617504	L2221.RR	20:00
PW1-23 MS	A8617504MS	L2222.RR	20:31
PW1-23 SD	A8617504SD	L2223.RR	21:03
PW1-23DL	A8617504DL	L2213.RR	15:30
Trip Blank	A8617501	L2219.RR	18:56
Volatile Holding Blk	A8617505	L2218.RR	18:25

Comments:

BLASLAND, BOUCK, & LEE, INC.
 LOW CONC. VOLATILE ORGANIC TUNING CALIBRATION 0 0 0 0 4 1
 BROMOFLUOROBENZENE (BFB)

Lab Name: STL Buffalo Contract: NY99-051 Tune ID: A8T0001353
 Lab Code: RECNY Case No.: SAS No.: SDG No.: PW117
 Lab File ID: L6346 BFB Injection Date: 07/28/98
 Instrument ID: I50L BFB Injection Time: 14:52
 GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance
50	8.0 - 40.0% of mass 95	17.7
75	30.0 - 66.0% of mass 95	41.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 { 0.0) 1
174	50.0 - 120.0% of mass 95	66.3
175	4.0 - 9.0% of mass 174	4.2 (6.3) 1
176	93.0 - 101.0% of mass 174	65.2 (98.4) 1
177	5.0 - 9.0% of mass 176	3.5 (5.4) 2

1-Value is % mass 174

2-Value is mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD005	A8I0000754-1	L6348.RR	07/28/98	16:05
2	VSTD002	A8I0000754-1	L6349.RR	07/28/98	16:36
3	VSTD001	A8I0000754-1	L6350.RR	07/28/98	17:07
4	VSTD010	A8I0000754-1	L6351.RR	07/28/98	17:39
5	VSTD025	A8I0000754-1	L6352.RR	07/28/98	18:10

BLASLAND, BOUCK, & LEE, INC.
 LOW CONC. VOLATILE ORGANIC TUNING CALIBRATION
 BROMOFLUOROBENZENE (BFB)

000042

' Lab Name: STL Buffalo Contract: NY99-051 Tune ID: A9T0000010
 ' Lab Code: RECNY Case No.: SAS No.: SDG No.: PW117
 Lab File ID: L2208 BFB Injection Date: 12/31/98
 Instrument ID: I50L BFB Injection Time: 12:38
 GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance
50	8.0 - 40.0% of mass 95	16.8
75	30.0 - 66.0% of mass 95	42.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	51.5
175	4.0 - 9.0% of mass 174	3.6 (7.0) 1
176	93.0 - 101.0% of mass 174	50.1 (97.2) 1
177	5.0 - 9.0% of mass 176	2.9 (5.7) 2

1-Value is mass 174

2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD005	A9C0000013-1	L2209.RR	12/31/98.	12:51
2	VBLK78	A8617507	L2210.RR	12/31/98	13:39
3	LCS	A8617506	L2211.RR	12/31/98	14:27
4	PW1-17	A8617503	L2212.RR	12/31/98	14:59
5	PW1-23DL	A8617504DL	L2213.RR	12/31/98	15:30
6	Volatile Holding Blk	A8617505	L2218.RR	12/31/98	18:25
7	Trip Blank	A8617501	L2219.RR	12/31/98	18:56
8	Equipment Blank	A8617502	L2220.RR	12/31/98	19:28
9	PW1-23	A8617504	L2221.RR	12/31/98	20:00
10	PW1-23 MS	A8617504MS	L2222.RR	12/31/98	20:31
11	PW1-23 SD	A8617504SD	L2223.RR	12/31/98	21:03

EPA 3/95 CLP - VOLATILES
VOLATILE INTERNAL STANDARD AREA AND RT SUWARY

000043

Lab Name: STL Buffalo Contract: NY99-051 Labsanpid: A8C0003285
lab Cede: RECNY Case No.: _____ SAS No.: _____ SDG No.: PW117
Lab File ID (Standard) : L6348.RR Date Analyzed: 07/28/98
Instrument ID: I50L Time Analyzed: 16:05
GC Column(1) : DB-624 ID: 0.530(mn) Heated Purge: (Y/N) N

	IS1 (CBZ) AREA #	RT #	IS2 (DCB) AREA #	RT #	IS3 (DFB) AREA #	RT #
12 HOUR SID	534228	16.89	269985	20.56	677404	11.77
UPPER LIMIT	747919	17.22	377979	20.89	948366	12.10
LOWER LIMIT	320537	16.56	161991	20.23	406442	11.44
CLIENT SAMPLE						
VSID001	589674	16.91	294301	20.57	744647	11.79
VSID002	590456	16.91	296554	20.58	736536	11.79
VSID005	534228	16.89	269985	20.56	677404	11.77
VSTD010	521744	16.91	269627	20.57	649817	11.80
VSTD025	571986	16.94	286453	20.61	675374	11.80

AREA UNIT
QC LIMITS

RT
QC LIMITS

151 (CBZ) = Qilorobenzene-D5 (60-140) •0.33 / +0.33 min
152 (DCB) = 1,4 -Dichlorobenzene-D4 (60-140) •0.33 / +0.33 min
153 (DFB) = 1,4-Difluorobenzene (60-140) •0.33 / +0.33 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

EPA 3/95 CLP - VOLATILES
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

000044

Lab Name: STL Buffalo Contract: NY99-051 Labsanpid: A9C000Q013
 Lab Code: RECNY Case No. : _____ SAS No.: _____ SDG No.: PW117
 Lab File ID (Standard) : L2209.RR Date Analyzed: 12/31/98
 Instrument ID: I50L Time Analyzed: 12:51
 GC Column(1) : DB-624 ID: 0.530 (rim) Heated Purge: <Y/N> N

		IS1 (CBZ)		RT	#	IS2 <DCB>		RT	#	IS3 (DEB)		RT	#
		AREA	#			AREA.	#			AREA.	#		
	12 HOUR STD	430346		16.88		219200		20.54		491339		11.76	
	UPPER LIMIT	602484		17.21		306880		20.87		687875		12.09	
	LOWER LIMIT	258208		16.55		131520		20.21		294803		11.43	
	CLIENT SAMPLE							-					
1	Equipment Blank	481601		16.88		239386		20.54		526310		11.74	
2	LCS	428547		16.87		214141		20.52		496485		11.73	
3	PW1-17	468036		16.88		218481		20.53		473574		11.75	
4	PW1-23	475866		16.87		228649		20.53		514128		11.73	
5	PW1-23 MS	488024		16.88		247664		20.56		529465		11.74	
6	PW1-23 SD	488784		16.87		251656		20.52		540155		11.74	
7	PW1-23DL	439572		16.85		216660		20.52		495946		11.73	
8	Trip Blank	476315		16.89		229712		20.54		543615		11.78	
9	VBLK78	445191		16.89		202377		20.54		475018		11.75	
10	Volatile Holding Blk	464440		16.88		232009		20.54		510689		11.74	

AREA. UNIT
QC LIMITS

RT
QC LIMITS

151 (CBZ) = Chlorobenzene-D5 (60-140) •0.33 / +0.33 min
 152 (DCB) = 1,4-Dichlorobenzene-D4 (60-140) •0.33 / +0.33 min
 153 (DFB) = 1,4 -Difluorobenzene (60-140) •0.33 / +0.33 min

Column to be used to flag recovery values
 Values outside of contract required QC limits

000045

SAMPLE DATA

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000046

Client No.

Equipment Blank

Lab Name: Recra LabNet

Contract: NY99-051

• 'jab Code : RECNY Case No. : _____ SAS No. : _____ SDG No. : PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617502

• sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2220.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

's Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/31/98

3C Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

~ CAS NO. COMPOUND {ug/L or ug/!≤a) UG/L Q

1	74-87-3	Chloromethane	1	U
1	74-83-9	Bromomethane	1	U
	75-01-4	Vinyl chloride	1	U
1	75-00-3	Chloroethane	1	U
1	75-09-2	Methylene chloride	2	U
1	67-64-1	Acetone	5	U
	75-15-0	Carbon Disulfide	1	U
1	75-35-4	1,1-Dichloroethene	1	U
1	75-34-3	1,1-Dichloroethane	1	U
1	156-59-2	cis-1,2-Dichloroethene	1	U
1	156-60-5	trans-1,2-Dichloroethene	1	U
1	67-66-3	Chloroform	1	U
1	107-06-2	1,2-Dichloroethane	1	U
	78-93-3	2-Butanone	5	U
	74-97-5	Bromochloromethane	1	U
	71-55-6	1,1,1-Trichloroethane	1	U
	56-23-5	Carbon Tetrachloride	1	U
	75-27-4	Bromodichloromethane	1	U
	78-87-5	1,2-Dichloropropane	1	U
	10061-01-5	cis-1,3-Dichloropropene	1	U
	79-01-6	Trichloroethene	1	U
	124-48-1	Dibromochloromethane	1	U
	79-00-5	1,1,2-Trichloroethane	1	U
	71-43-2	Benzene	1	U
•	10061-02-6	trans-1,3-Dichloropropene	1	U
1	5-25-2	Bromoform	1	U
1	08-10-1	4-Methyl-2-pentanone	5	U
1	91-78-6	2-Hexanone	5	U
	127-18-4	Tetrachloroethene	1	U
	79-34-5	1/1,2,2-Tetrachloroethane	1	U
1	106-93-4	1,2-Dibromoethane	1	U
1	108-88-3	Toluene	0.5	J
	08-90-7	Chlorobenzene	1	U
	00-41-4	Ethylbenzene	1	U

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

00904*7

Client No.

Equipment Blank

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617502

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2220.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 12/31/98

3C Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ uL

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO. COMPOUND

100-42-5_____ Styrene
1330-20-7--- Total Xylenes_____
541-73-1_____ 1,3-Dichlorobenzene_____
106-46-7_____ 1 4-Dichlorobenzene_____
95-50-1_____ 1 2-Dichlorobenzene_____
96-12-8_____ 1 2-Dibromo-3-chloropropane_____
120-82-1_____ 1 2,4-Trichlorobenzene_____

1	U
1	U
1	U
1	U
1	U
1	U
1	U

EPA 3/95 CLP - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

00004S

Client No.

Equipment Blank

• Lab Name: STL Buffalo

Contract: NY99-051

B~Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: PW117

" Matrix: (soil/water) WATER

Lab Sample ID: A8617502

• Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2220.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

m& Moisture: not dec. _____

Date Analyzed: 12/31/98

• GC Column: DB-624 IP: 0.53 (mm)

Dilution Factor: 1.00

^ Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

1 number TICs found:

CONCENTRATION UNITS:
{ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Cone.	Q
1. 1066-40-6	TRIMETHYL SILANOL	8.86	3	JN

Quantitation Report

000049

Data File C:\ELINK\INSTR1\DATA\123198\L222 0.D
Acq On 31 Dec 1998 19:28
Sample A8617502
Misc
MS Integration Params: RTEINT.P
Quant Time: Jan 4 11:22 1999

Vial: 7
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW LEVEL WATER
Last Update Thu Nov 12 11:47:18 1998
Response via Continuing Cal File: C:\ELINK\INSTR1\DATA\123198\L2209.D

Abundance

TIC: L2220.D

440000-

420000

400000

380000

360000

340000

320000-

300000

280000

260000

240000

220000

200000

180000

160000

140000

120000

100000

80000

60000

40000-

20000

o-u-

^A.

time-> 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00

L2220.D LOWCLP.M Thu Jan 14 17:08:33 1999

I50L

Page 3

Quantitation Report

000050

Data File : C:\ELINK\INSTR1\DATA\123198\L2220.D
 Acq On : 31 Dec 1998 19:28
 Sample : A8617502
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Jan 4 11:22 1999

Vial 7
 Operator CAS
 Inst Incos 150
 Multiplr 1.00

Quant Results File LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
 Title I50L CLP LOW LEVEL WATER
 Last Update Thu Nov 12 11:47:18 1998
 Response via Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12
 DataAcq Meth METHOD.M
 IS QA File C:\ELINK\INSTR1\DATA\123198\L2209.D (31 Dec 1998 12:51)

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min) Rcv(Ar)
1) CI10 1,4-Difluorobenzene	11.74	114	526310	125.00	ng	-0.03 107.12%
18) CI20 D5-Chlorobenzene	16.88	117	481601	125.00	ng	0.00 111.91%
40) CI30 D4-1,4-Dichlorobenze	20.54	152	239386	125.00	ng	0.00 109.21%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene 18.74 174 181074 125.33 ng -0.01
 Spiked Amount 125.000 Range 80 - 120 Recovery = 100.26%

Target Compounds

Qvalue

2) C010 Chloromethane	0 00	50	N.D.
3) C015 Bromomethane	0 00	94	N.D.
4) C020 Vinyl Chloride	0 00	62	N.D.
5) C025 Chloroethane	0 00	64	N.D.
6) C030 Methylene Chloride	0 00	84	N.D.
7) C035 Acetone	0 00	43	N.D.
8) C040 Carbon Disulfide	0 00	76	N.D.
9) C045 1,1-Dichloroethene	0 00	96	N.D.
10) C050 1,1-Dichloroethane	0 00	63	N.D.
11) C057 trans-1,2-dichloroet	0 00	96	N.D.
12) C056 cis-1,2-Dichloroethe	0 00	96	N.D.
13) C060 Chloroform	0 00	83	N.D.
14) C222 Bromochloromethane	0 00	128	N.D.
15) C065 1,2-Dichloroethane	0 00	62	N.D.
16) C110 2-Butanone	0 00	43	N.D.
19) C115 1,1,1-Trichloroethan	0 00	97	N.D.
20) C120 Carbon Tetrachloride	0 00	117	N.D.
21) C150 Trichloroethene	0 00	95	N.D.
22) C130 Bromodichloromethane	0 00	83	N.D.
23) C140 1,2-Dichloropropane	0 00	63	N.D.
24) C145 cis-1,3-Dichloroprop	0 00	75	N.D.
25) C165 Benzene	0 00	78	N.D.
26) C155 Dibromochloromethane	0 00	129	N.D.
27) C170 trans-1,3-Dichloropr	0 00	75	N.D.
28) C160 1/1,2-Trichloroethan	0 00	97	N.D.
29) C220 Tetrachloroethene	0 00	166	N.D.

M

{#} = qualifier out of range (m) = manual integration

L2220.D LOWCLP.M Thu Jan 14 17:08:28 1999 I50L

Page 1

Quantitation Report

000051

Data File : C:\ELINK\INSTR1\DATA\123198\L2220.D
Acq On : 31 Dec 1998 19:28
Sample : A8617502
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jan 4 11:22 1999

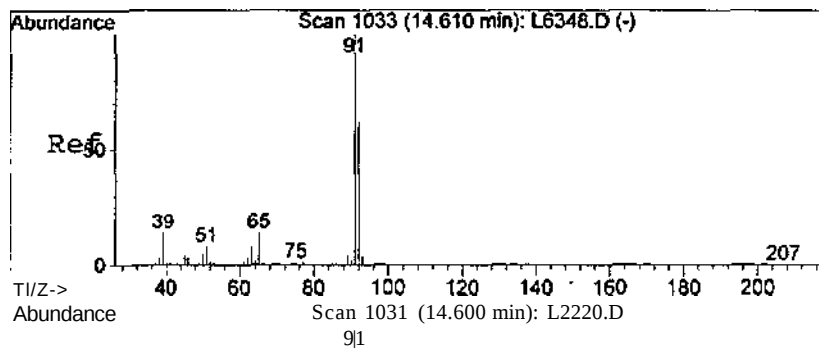
Vial: 7
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Nov 12 11:47:18 1998
Response via : Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12
DataAcq Meth : METHOD.M

Compound			R.T. Qlon		Qvalue		
30)	C163	1,2-Dibromoethane	0.00	109		N.D.	
31)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
32)	C215	2-Hexanone	0.00	43		N.D.	
33)	C230	Toluene	14.60	91	78094	12.48 ng	95
34)	C235	Chlorobenzene	0.00	112		N.D.	
35)	C240	Ethylbenzene	0.00	91		N.D.	
36)	C246	m,p-Xylene	0.00	106		N.D.	
37)	C247	o-Xylene	0.00	106		N.D.	
38)	C245	Styrene	0.00	104		N.D.	
39)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
41)	C180	Bromoform	0.00	173		N.D.	
42)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
43)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
44)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
45)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
46)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

Si



#33 000052

C230 Toluene

Concen: 12.48 ng

RT: 14.60 min Scan# 1031

Delta R.T. -0.01 min

Lab File: L2220.D

Acq: 31 Dec 1998 19:28

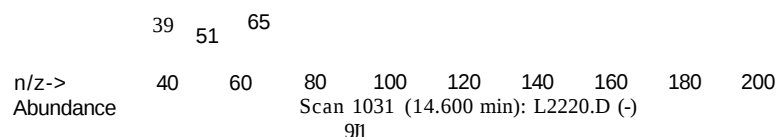
Tgt Ion: 91 Resp: 78094

Ion Ratio Lower Upper

91 100

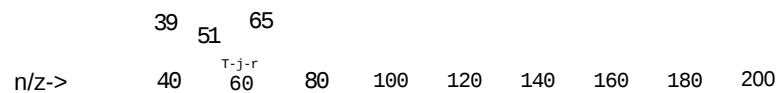
92 57.8 49.1 73.7

Ra **b**



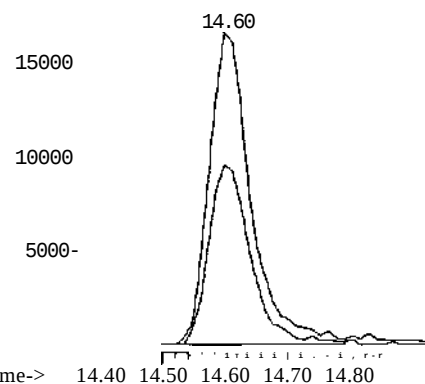
Sub

50 J



Abundance Ion 91.00 (90.70 to 91.70): L2220.D

Ion 92.00 (91.70 to 92.70): L2220.D



Library Search Compound Report

000053

Data File C:\ELINK\INSTRI\DATA\123198\L2220.D
Acq On 31 Dec 1998 19:28
Sample A8617502
Misc
MS Integration Params: LSCINT.P

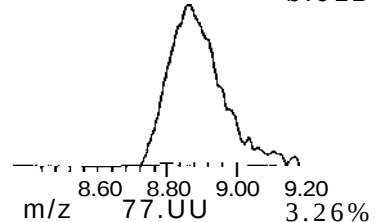
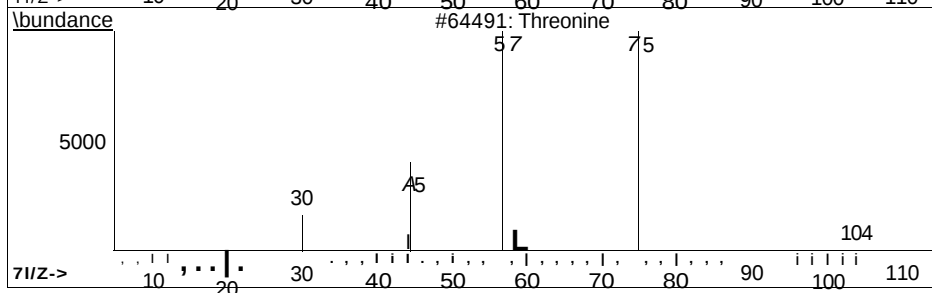
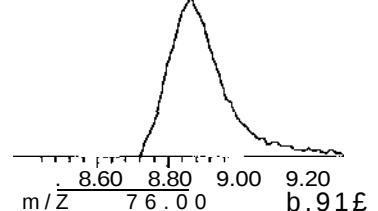
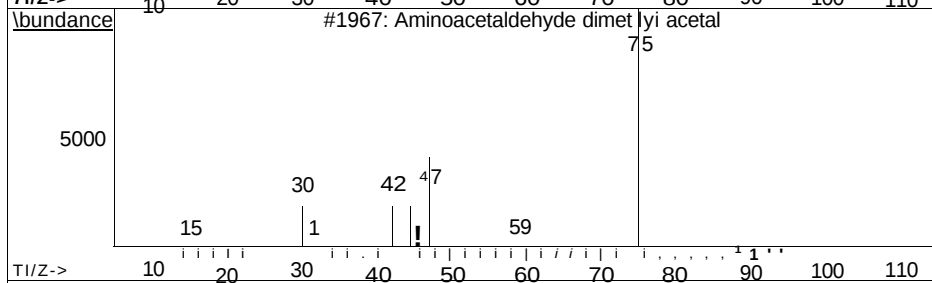
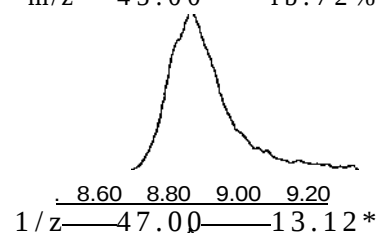
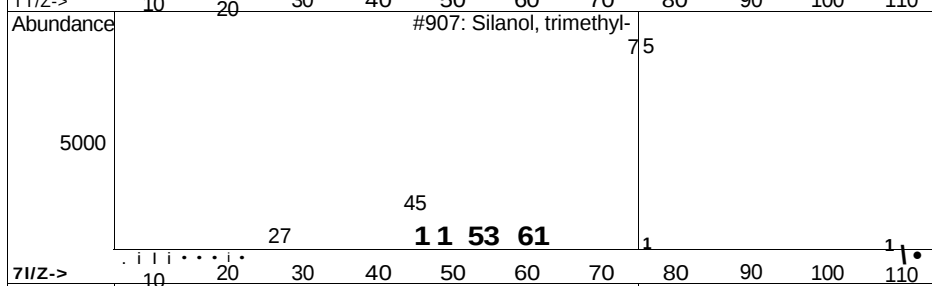
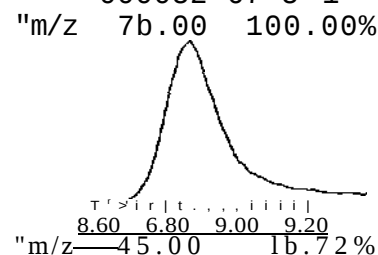
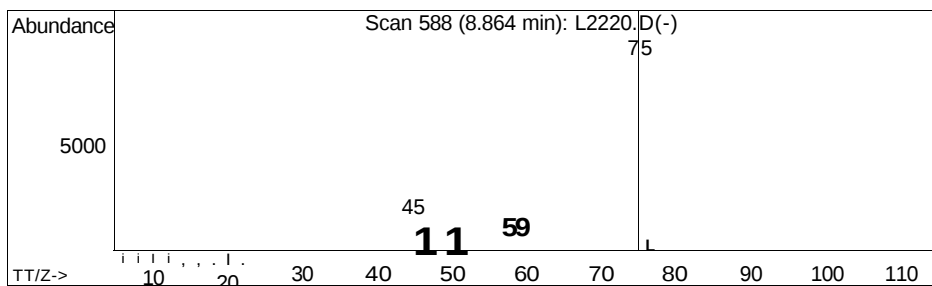
Vial: 7
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Method C:\ELINK\INSTRI\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW LEVEL WATER
Library C:\DATABASE\NBS75K.L

Peak Number 1 Silanol, trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
8.86	82.93 ng	753981	CI10 1,4-Difluor	1136510	11.74

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Silanol, trimethyl-	90	C3H10OSi	001066-40-6	83
2		Aminoacetaldehyde dimethyl acetal	105	C4H11N02	022483-09-6	1
3		Threonine	119	C4H9N03	000072-19-5	1
4		Penicillamine	149	C5H11N02S	000052-67-5	1



EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000054

Client No

P>

PW1-17

* Lab Name: STL Buffalo

Contract: NY99-051

"Lab Code: RECNY

Case No.:

SAS No.:

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617503

^Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2212.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

i M Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/31/98

r-GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 20.00

Hsoil Extract Volume: _____ uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

f ! CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene chloride	9	BJ
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	20	U
75-35-4	1,1 -Dichloroethene	5	J
75-34-3	1,1 -Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	20	U
156-60-5	trans-1,2-Dichloroethene	20	U
67-66-3	Chloroform	20	U
107-06-2	1,2-Dichloroethane	20	U
78-93-3	2-Butanone	100	U
74-97-5	Bromochloromethane	20	U
71-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	20	U
75-27-4	Bromodichloromethane	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
79-01-6	Trichloroethene	11	J
124-48-1	Dibromochloromethane	20	U
79-00-5	1,1,2 -Trichloroethane	20	U
71-43-2	Benzene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
75-25-2	Bromoform	20	U
108-10-1	4-Methyl-2-pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	4	J
79-34-5	1,1,2,2-Tetrachloroethane	20	U
106-93-4	1,2-Dibromoethane	20	U
108-88-3	Toluene	20	U
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000001

Client No

PW1-17

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY

Case No. : _____

SAS No.:

SDG No.: PW117

Matrix: {soil/water) WATER

Lab Sample ID: A8617503

Sample wt/vol: 25.00 {g/mL) ML

Lab File ID: L2212.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/91

Moisture: not dec. _____

Heated Purge: N

Date Analyzed: 12/31/98

Column: DB-624 _____

ID: 0.53 (mm)

Dilution Factor: 20.00

Li

Soil Extract Volume: _____:uL)

Soil Aliquot Volume: _____(UL:

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

CAS NO.	COMPOUND		
100-42-5	Styrene	20	U
1330-20-7	Total Xylenes	20	U
541-73-1	1, 3-Dichlorobenzene	20	U
106-46-7	1, 4-Dichlorobenzene	20	U
95-50-1	1, 2-Dichlorobenzene	20	U
96-12-8	1,2 -Dibromo-3 -chloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U

11

EPA 3/95 CLP - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000056

Client No.

PW1-17

" Lab Name: Recra LabNet

Contract: NY99-051

p^ab Code: RECNY

Case No.:

SAS No.:

SDG NO.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: AS617503

\ Sample wt/vol: 25.00 <g/mL) ML

Lab File ID: L2212.RR

„ Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

i. k Moisture: not dec. _____

Date Analyzed: 12/31/98

r"GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 20.00

i-1 Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

' Number TICs found:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Cone.	Q

t-1

u

Quantitation Report

000057

Data File C:\ELINK\INSTR1\DATA\123198\L2212.D
 Acq On 31 Dec 1998 14:59
 Sample A8617503 DF20
 Misc
 MS Integration Params: RTEINT.P
 Quant Time: Dec 31 16:05 1998

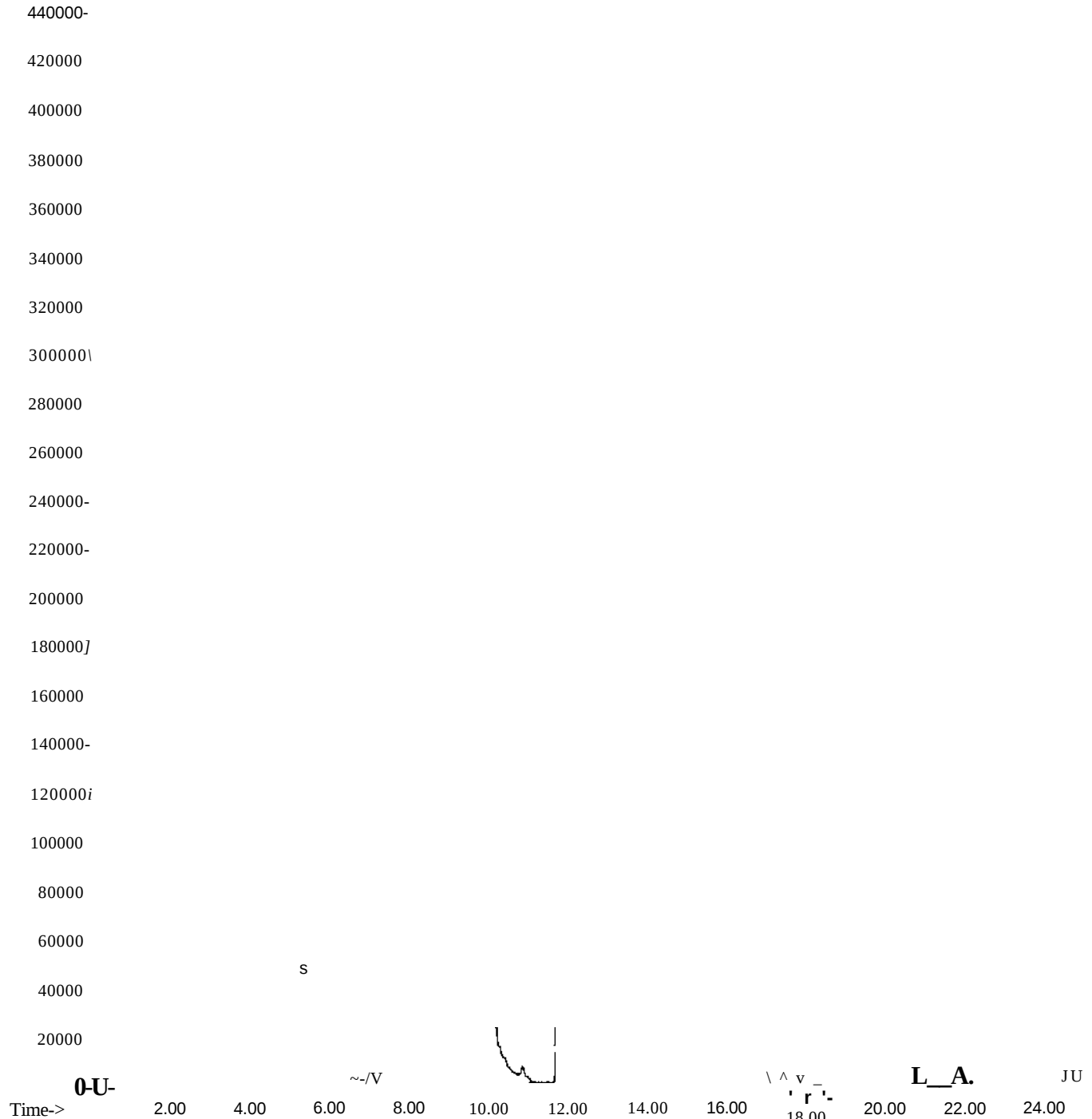
Vial: 2
 Operator: CAS
 Inst : Incos 150
 Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
 Title I50L CLP LOW ' LEVEL WATER
 Last Update Thu Nov 12 11:47:18 1998
 Response via Continuing Cal File: C:\ELINK\INSTR1\DATA\123198\L2209.D

Abundance

TIC: L2212.D



Quantitation Report

00-005S

Li

Data File C:\ELINK\INSTR1\DATA\123198\L2212.D
 Acq On 31 Dec 1998 14:59
 Sample A8617503 DF20
 Misc
 MS Integration Params: RTEINT.P
 Quant Time: Dec 31 16:05 1998

Vial: 2
 Operator: CAS
 Inst : Incos 150
 Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator) '
 Title I50L CLP LOW LEVEL WATER (J/
 Last Update Thu Nov 12 11:47:18 1998 J//X\I
 Response via Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12
 DataAcq Meth METHOD.M
 IS QA File C:\ELINK\INSTR1\DATA\123198\L2209.D {31 Dec 1998 12:51)

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min) Rcv{Ar)
1) CI10 1,4-Difluorobenzene	11.75	114	473574	125.00	ng	-0.01 96.38%
18) CI20 D5-Chlorobenzene	16.88	117	468036	125.00	ng	0.00 108.76%
40) CI30 D4-1,4-Dichlorobenze	20.53	152	218481	125.00	ng	-0.01 99.67%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene 18.73 174 171655 132.04 ng -0.03
 Spiked Amount 125.000 Range 80 120 Recovery = 105.63%

Target Compounds

Qvalue

2) C010 Chloromethane	0.00	50		N.D.		
3) C015 Bromomethane	0.00	94		N.D.		
4) C020 Vinyl Chloride	0.00	62		N.D.		
5) C025 Chloroethane	0.00	64		N.D.		
6) C030 Methylene Chloride	5.38	84	16560	11.23	ng	82
7) C035 Acetone	0.00	43		N.D.		
8) C040 Carbon Disulfide	0.00	76		N.D.		
9) C045 1,1-Dichloroethene	4.46	96	9074	5.87	ng	
10) C050 1,1-Dichloroethane	7.00	-69	20345			
11) C057 trans-1,2-dichloroet	0.00	96		N.D.		7
12) C056 cis-1,2-Dichloroethe	0.00	96		N.D.		
13) C060 Chloroform	0.00	83		N.D.		
14) C222 Bromochloromethane	0.00	128		N.D.		
15) C065 1,2-Dichloroethane	0.00	62		N.D.		
16) C110 2-Butanone	0.00	43		N.D.		
19) C115 1,1,1-Trichloroethan	9.99	97	1009618	335.74	ng	95
20) C120 Carbon Tetrachloride	9.99	117	104275	40.01	ng	93
21) C150 Trichloroethene	12.26	95	27504	13.87	ng	# 77
22) C130 Bromodichloromethane	0.00	83		N.D.		
23) C140 1,2-Dichloropropane	0.00	63		N.D.		
24) C145 cis-1,3-Dichloroprop	0.00	75		N.D.		
25) C165 Benzene	0.00	78		N.D.		
26) C155 Dibromochloromethane	15.53	129	7701	6.41	ng	# 11
27) C170 trans-1,3-Dichloropr	0.00	75		N.D.		
28) C160 1,1,2-Trichloroethan	0.00	97		N.D.		
29) C220 Tetrachloroethene	15.53	166	10441	5.19	ng	# 88

ft

{#) ~ qualifier out of range (m) = manual integration

L2212.D LOWCLP.M

Thu Dec 31 16:05:55 1998

I50L

J

Page 1

Quantitation Report

000059

Data File C:\ELINK\INSTR1\DATA\123198\L2212.D
Acq On 31 Dec 1998 14:59
Sample A8617503 DF20
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 31 16:05 1998

Vial 2
Operator CAS
Inst Incos 150
Multiplr 1.00

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW LEVEL WATER
Last Update Thu Nov 12 11:47:18 1998
Response via Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12
DataAcq Meth METHOD.M

	Compound	R.T.	Qlon	Response	Cone Unit	Qvalue
30	C163 1,2-Dibromoethane	0.00	109		N.D.	
31	C210 4-Methyl-2-Pentanone	0.00	43		N.D.	
32	C215 2-Hexanone	0.00	43		N.D.	
33	C230 Toluene	0.00	91		N.D.	
34	C235 Chlorobenzene	0.00	112		N.D.	
35	C240 Ethylbenzene	0.00	91		N.D.	
36	C246 m,p-Xylene	0.00	106		N.D.	
37	C247 o-Xylene	0.00	106		N.D.	
38	C245 Styrene	0.00	104		N.D.	
39	C225 1,1,2,2-Tetrachloroe	0.00	83		N.D.	
41	C180 Bromoform	0.00	173		N.D.	
42	C260 1,3-Dichlorobenzene	0.00	146		N.D.	
43	C267 1,4-Dichlorobenzene	0.00	146		N.D.	
44	C249 1,2-Dichlorobenzene	0.00	146		N.D.	
45	C286 1,2-Dibromo-3-Chloro	0.00	75		N.D.	
46	C313 1,2,4-Trichlorobenze	0.00	180		N-.D.	

000060

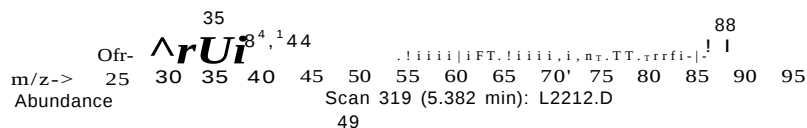
MDundance

Scan 324 (5.442 min): L6348.D (-)
49

#6

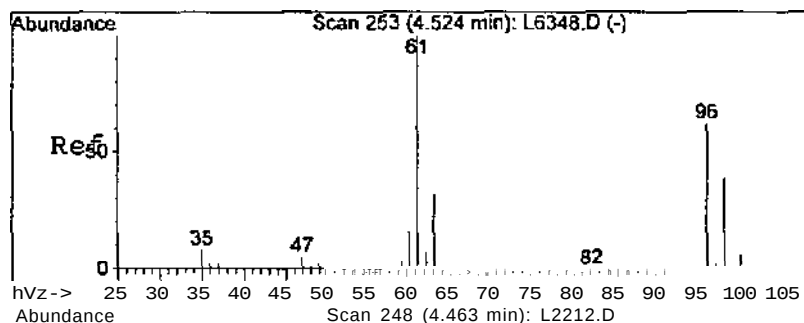
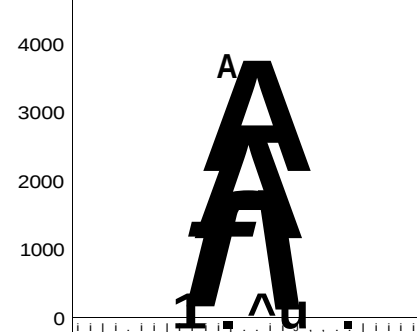
C030 Methylene Chloride
Concen: 11.23 ng
RT: 5.38 min Scan# 319
Delta R.T. -0.01 min
Lab File: L2212.D
Acq: 31 Dec 1998 14:59

Re&.



Tgt Ion: 84 Resp: 16560
Ion Ratio Lower Upper
84 100
49 126.8 135.8 175.8#
86 59.8 47.3 87.3

Abundance Ion 84.00 (83.70 to 84.70): L2212.D
Ion 49.00 (48.70 to 49.70): L2212.D
Ion 86.00 (85.70 to 86.70): L2212.D

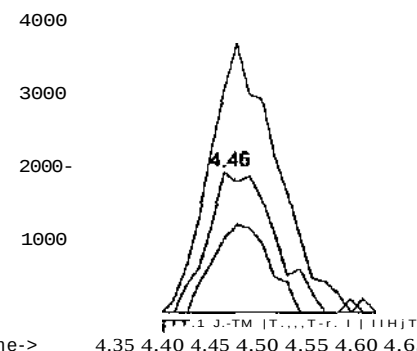


#9

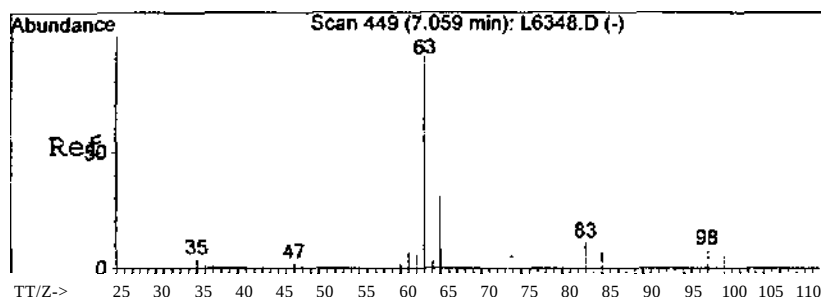
C045 1,1-Dichloroethene
Concen: 5.87 ng
RT: 4.46 min Scan# 248
Delta R.T. -0.03 min
Lab File: L2212.D
Acq: 31 Dec 1998 14:59

Tgt Ion: 96 Resp: 9074
Ion Ratio Lower Upper
96 100
61 159.0 165.4 205.4#
98 53.8 46.2 86.2

Abundance Ion 96.00 (95.70 to 96.70): L2212.D
Ion 61.00 (60.70 to 61.70): L2212.D
Ion 98.00 (97.70 to 98.70): L2212.D

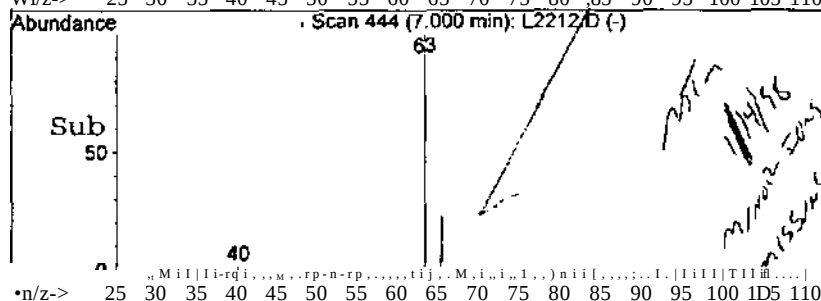
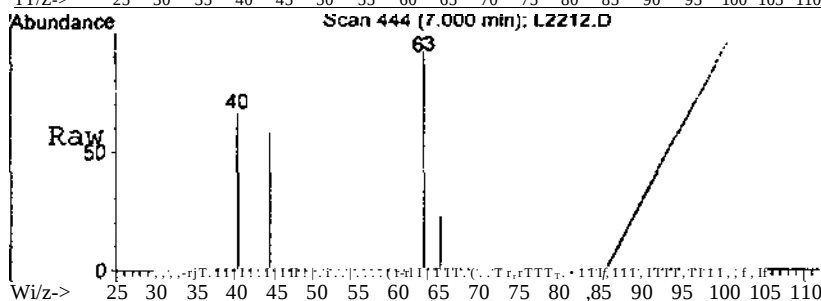


000061

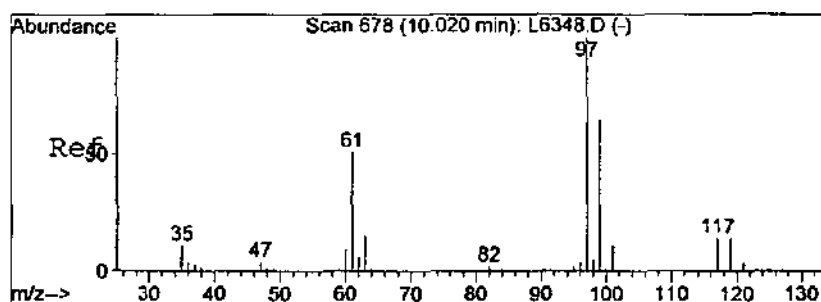
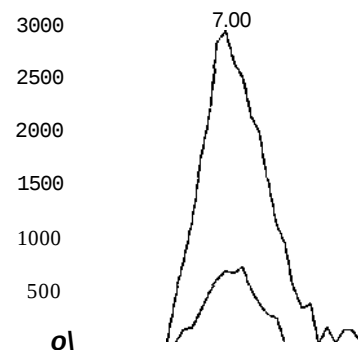


C050 1,1-Dichloroethane
 Concern 6.29 ng
 RT: 7.00 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: L2212.D
 Acq: 31 Dec 1998 14:59

Tgt Ion: 63 Resp: 20345
 Ion Ratio Lower Upper
 63 100
 65 23.4 13.4 53.4

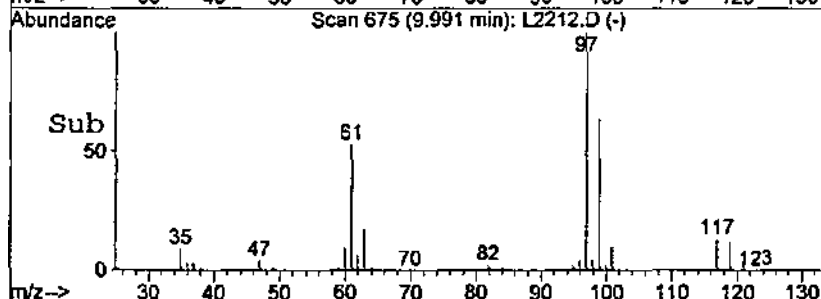
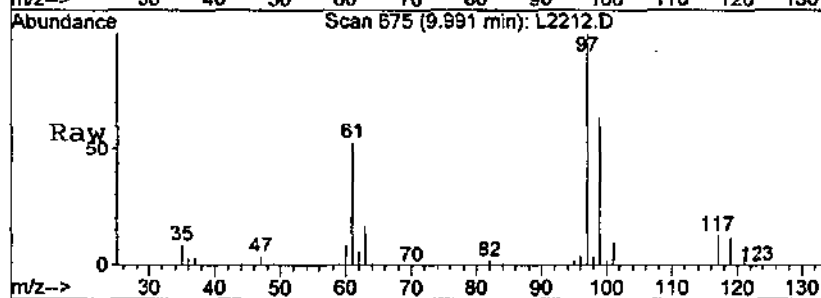


Abundance Ion 63.00 (62.70 to 63.70): L2212.D
 Ion 65.00 (64.70 to 65.70): L2212.D

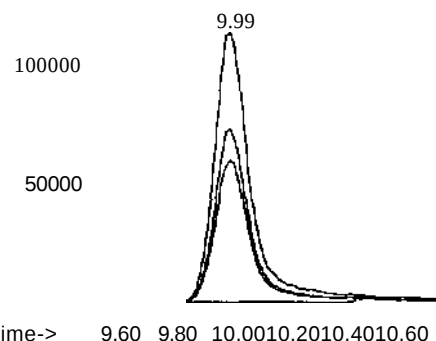


#19
 CI15 1,1,1-Trichloroethane
 Concen: 335.74 ng
 RT: 9.99 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: L2212.D
 Acq: 31 Dec 1998 14:59

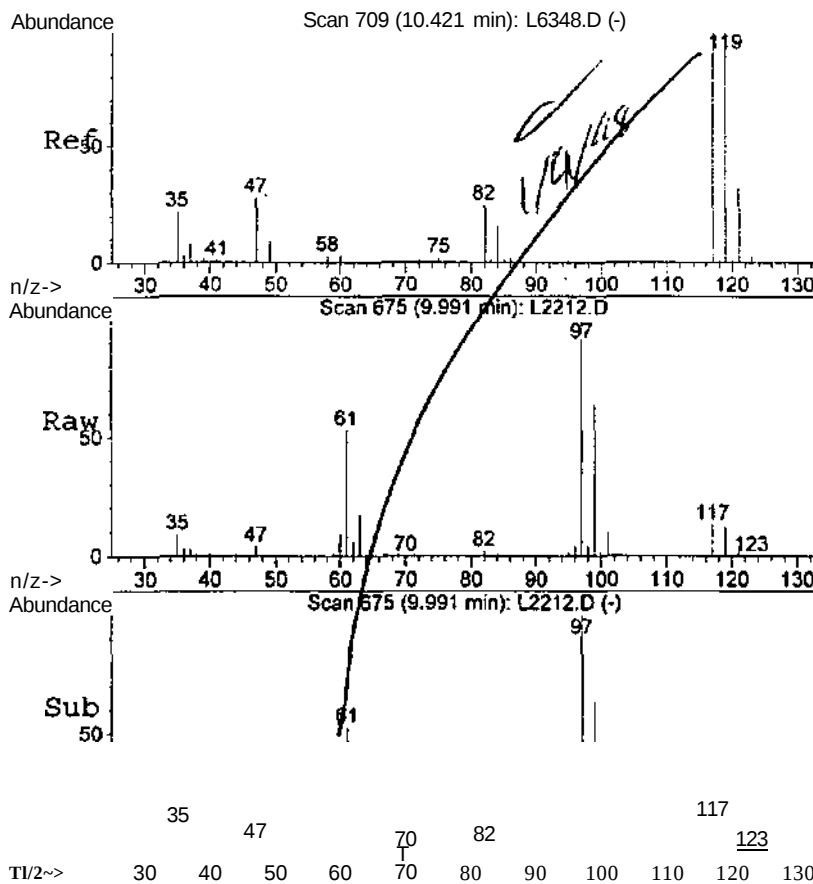
Tgt Ion: 97 Resp: 1009618
 Ion Ratio Lower Upper
 97 100
 99 64.4 54.1 81.1
 61 52.9 38.6 57.8



Abundance Ion 97.00 (96.70 to 97.70): L2212.D
 Ion 99.00 (98.70 to 99.70): L2212.D
 Ion 61.00 (60.70 to 61.70): L2212.D



000062



#20

C120 Carbon Tetrachloride

Concen: 40.01 ng

RT: 9.99 min Scan# 675

Delta R.T. -0.40 min

Lab File: L2212.D

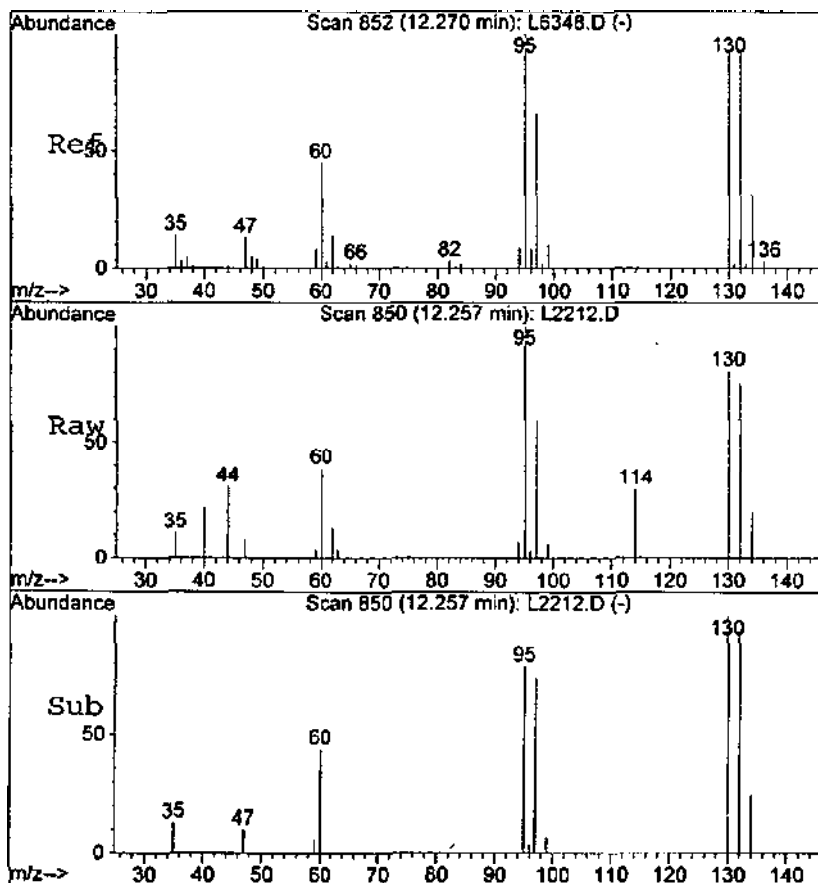
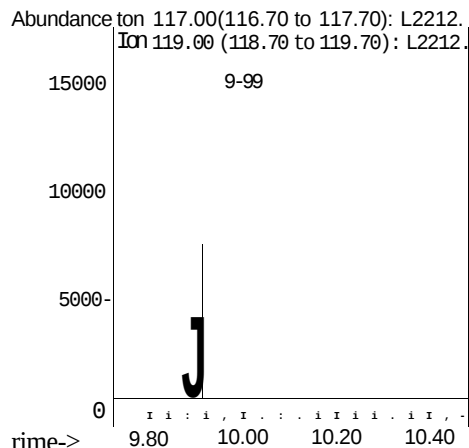
Acq: 31 Dec 1998 14:59

Tgt Ion: 117 Resp: 104275

Ion Ratio Lower Upper

117 100

119 91.9 79.0 119.0



#21

C150 Trichloroethene

Concen: 13.87 ng

RT: 12.26 min Scan# 850

Delta R.T. -0.01 min

Lab File: L2212.D

Acq: 31 Dec 1998 14:59

Tgt Ion: 95 Resp: 27504

Ion Ratio Lower Upper

95 100

130 80.9 85.4 128.0#

132 76.1 81.4 122.2#

60 38.9 37.0 55.6

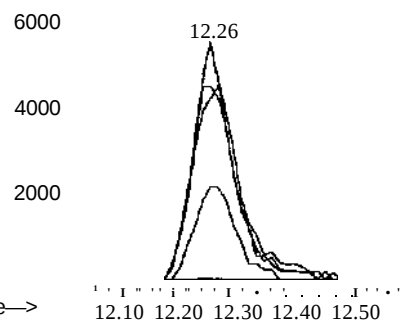
Abundance

Ion 95.00 (94.70 to 95.70): L2212.D

Ion 130.00 (129.70 to 130.70): L2212.D

Ion 132.00 (131.70 to 132.70): L2212.D

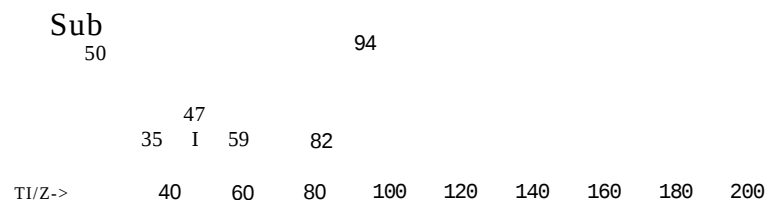
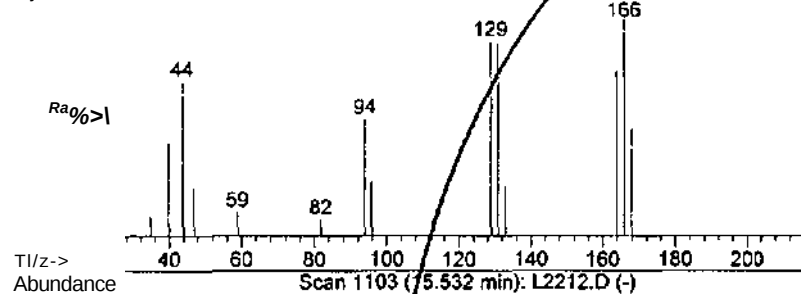
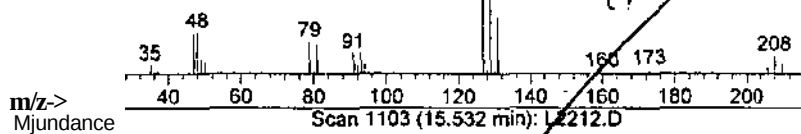
Ion 60.00 (59.70 to 60.70): L2212.D



Abundance

Scan 1136 (15.942 min): L6348.D (-)

Re&.



#26

000063

CI55 Dibromochloromethane

Concen: 6.41 ng

RT: 15.53 min Scan# 1103

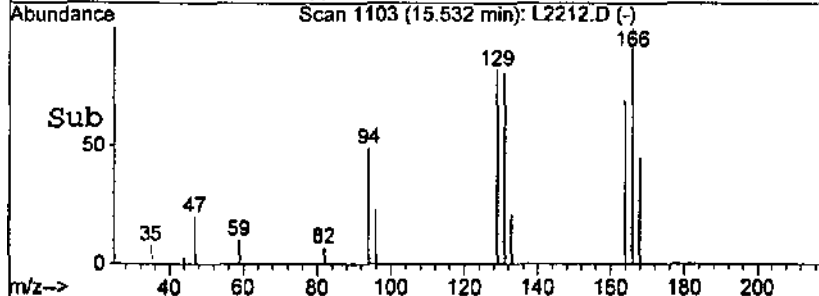
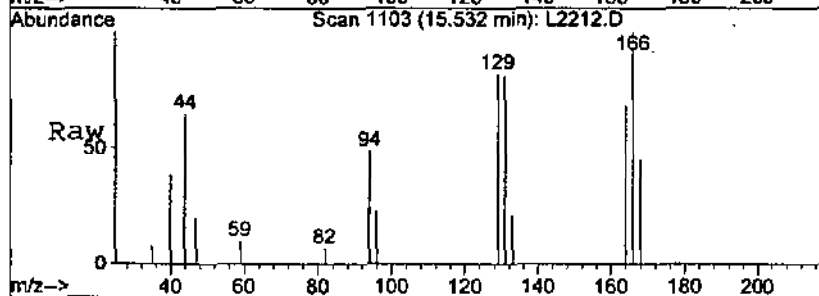
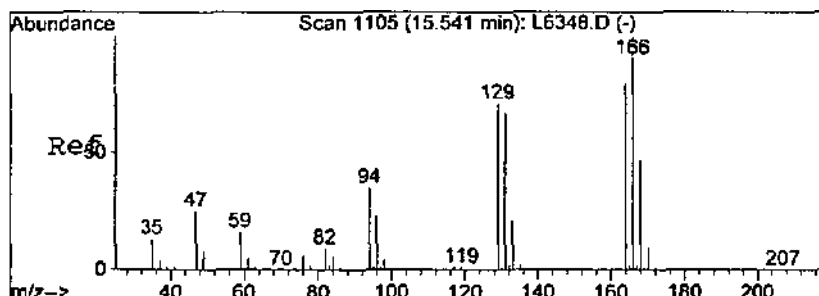
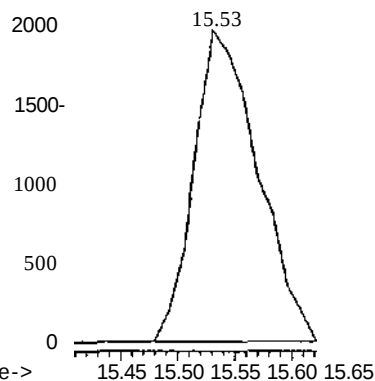
Delta R.T. -0.41 min

Lab File: L2212.D

Acq: 31 Dec 1998 14:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	56.9	96.9#

Abundance Ion 129.00 (128.70 to 129.70): L2212.
Ion 127.00 (126.70 to 127.70): L2212.



#29

C220 Tetrachloroethene

Concen: 5.19 ng

RT: 15.53 min Scan# 1103

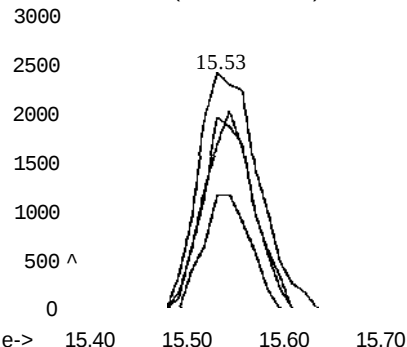
Delta R.T. -0.01 min

Lab File: L2212.D

Acq: 31 Dec 1998 14:59

Tgt Ion	Ratio	Lower	Upper
166	100		
164	69.0	60.6	91.0
131	81.2	55.2	82.8
94	48.5	31.6	47.4#

Abundance Ion 166.00 (165.70 to 166.70): L2212.
Ion 164.00 (163.70 to 164.70): L2212.
Ion 131.00 (130.70 to 131.70): L2212.
Ion 94.00 (93.70 to 94.70): L2212.D



LSC Peak Summary Report

000064

Data File : C:\ELINK\INSTR1\DATA\123198\L2212.D

Acq On : 31 Dec 1998 14:59

Sample : A8617503 DF20

Misc :

Vial: 2

Operator: CAS

Inst : Incos 150

Multiplr: 1.00

MS Integration Params: RTEINT.P

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)

Title : I50L CLP LOW LEVEL WATER

Library : C:\DATABASE\NBS75K.L

Threshold : 40 percent of closest IS

Max # of LSC : 10

17

Peak	RT	Area	IS Reference	IS Area	LSC
1 I	14.5CTt~"____5-9TT4-I-e^2-e-B5-efrxoTo^enzene			1390420	4.29

L6f>> "

?:

,flW

«

IS	Name	RT	Area	RT Window
CI10	1,4 -Di fluorobenzene	11.75	1021380	0.00 - 14.32
CI20	D5-Chlorobenzene	16.88	1390420	14.33 - 18.70
CI30	D4-1,4-Dichlorobenzene	20.53	1407430	18.71 - 25.02

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000065

Client No

PW1-23

Contract: NY99-051

Lab Name: Recra LabNet

Lab Code: RECNY Case No.:

SAS No.:

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617504

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2221.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

M Moisture: not dec. Heated Purge: N Date Analyzed: 12/31/98

P3C Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 2.00

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	2	2	U
74-83-9	Bromomethane	2	2	U
75-01-4	Vinyl chloride	2	2	U
75-00-3	Chloroethane	2	2	U
75-09-2	Methylene chloride	4	4	U
67-64-1	Acetone	10	10	U
75-15-0	Carbon Disulfide	2	2	U
75-35-4	1,1-Dichloroethene	1	1	J
75-34-3	1,1-Dichloroethane	4	4	
156-59-2	cis-1,2-Dichloroethene	2	2	
156-60-5	trans-1,2-Dichloroethene	2	2	U
67-66-3	Chloroform	2	2	U
107-06-2	1,2-Dichloroethane	2	2	U
78-93-3	2-Butanone	10	10	U
74-97-5	Bromochloromethane	2	2	U
71-55-6	1,1,1-Trichloroethane	84	84	E
56-23-5	Carbon Tetrachloride	2	2	U
75-27-4	Bromodichloromethane	2	2	U
78-87-5	1,2-Dichloropropane	2	2	U
10061-01-5	cis-1,3-Dichloropropene	2	2	U
79-01-6	Trichloroethene	1	1	J
124-48-1	Dibromochloromethane	2	2	U
79-00-5	1,1,2-Trichloroethane	2	2	U
71-43-2	Benzene	2	2	U
10061-02-6	trans-1,3-Dichloropropene	2	2	U
75-25-2	Bromoform	2	2	U
108-10-1	4-Methyl-2-pentanone	10	10	U
591-78-6	2-Hexanone	10	10	U
127-18-4	Tetrachloroethene	2	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	2	U
106-93-4	1,2-Dibromoethane	2	2	U
108-88-3	Toluene	0.4	0.4	J
108-90-7	Chlorobenzene	2	2	U
100-41-4	Ethylbenzene	2	2	U

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000066

Client No.

PW1-23

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: PW117

Matrix: (soil/water) WATER Lab Sample ID: A8617504

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L2221.RR

Level: (low/med) LOW Date Samp/Recv: 12/21/98 12/22/98

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/31/98

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	UG/L	Q
100-42-5	Styrene	2	U
1330-20-7	Total Xylenes	2	U
541-73-1	1,3-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U

EPA 3/95 CLP - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000067

Client No.

PW1-23

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617504

; Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2221.RR

.Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

- 's Moisture: not dec.

Date Analyzed: 12/31/98

5C Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 2.00

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

Number TICs found:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Cone.	Q

Quantitation Report

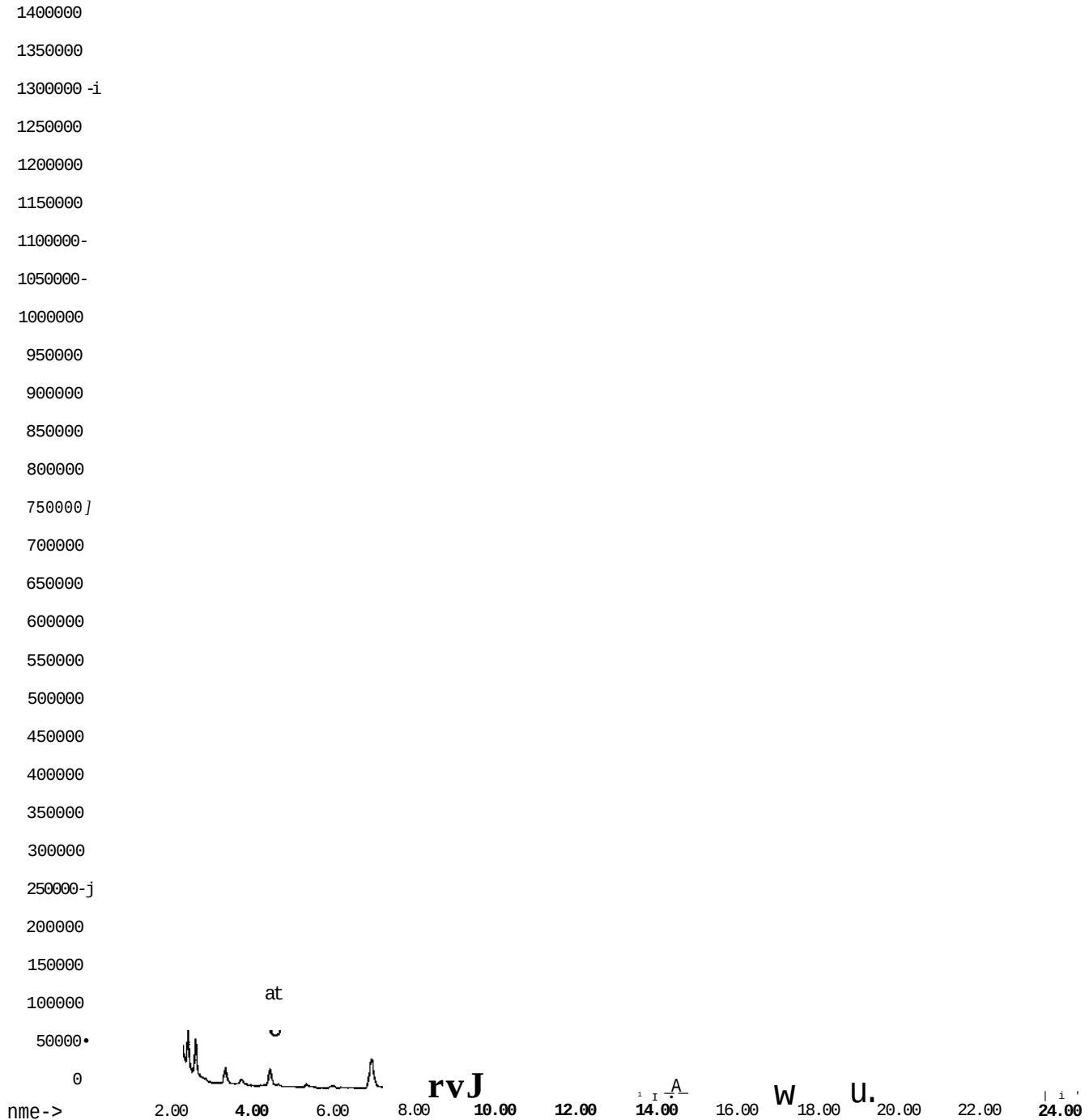
000GG8

Data File C:\ELINK\INSTR1\DATA\123198\L2221.D
Acq On 31 Dec 1998 20:00
Sample A8617504 DF2
Misc
MS Integration Params: RTEINT.P
Quant Time: Jan 1 15:55 1999

Vial: 8
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW' LEVEL WATER
Last Update Thu Nov 12 11:47:18 1998
Response via Continuing Cal File: C:\ELINK\INSTR1\DATA\123198\L2209.D
TIC:L2221.D



Quantitation Report

0000S9

Data File C:\ELINK\INSTR1\DATA\123198\L2221.D
 Acq On 31 Dec 1998 20:00
 Sample A8617504 DF2
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Jan 1 15:55 1999

Vial: 8
 Operator: CAS
 Inst : Incos 150
 Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)^, . tt/
 Title I50L CLP LOW ' LEVEL WATER All . ^A . \ / ^rf
 Last Update Thu Nov 12 11:47:18 1998
 Response via Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12
 DataAcq Meth METHOD.M
 IS QA File C:\ELINK\INSTR1\DATA\123198\L2209.D (31 Dec 1998 12:51)

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min)
						Rcv(Ar)
1) CI10 1,4-Difluorobenzene	11.73	114	514128	125.00	ng	-0.04
						104.64%
18) CI20 D5-Chlorobenzene	16.87	117	475866 "	125.00	ng	-0.01
						110.58%
40) CI30 D4-1,4-Dichlorobenze	20.53	152	228649	125.00	ng	-0.01
						104.31%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene 18.73 174 175442 124.31 ng -0.03
 Spiked Amount 125.000 Range 80 - 120 Recovery = 99.45%

Target Compounds

Qvalue

2) C010 Chloromethane	0.00	50		N.D.	
3) C015 Bromomethane	0.00	94		N.D.	
4) C020 Vinyl Chloride	0.00	62		N.D.	
5) C025 Chloroethane	0.00	64		N.D.	
6) C030 Methylene Chloride	0.00	84		N.D.	
^-\^J- f^1"^\ AieLuue-	4.59	43	6611	60.23 ng	49
8) C040 Carbon Disulfide	0.00	76		N.D.	
V9) C045 1,1-Dichloroethene	4.46	96	25665	15.30 ng	91
^uT) C050 1,1-Dichloroethane	6.96	63	177739	50.65 ng	96
11) C057 trans-1,2-dichloroet	0.00	96		N.D.	
SQj) C056 cis-1,2-Dichloroethe	8.64	96	41838	25.04 ng	97
13) C060 Chloroform	0.00	83		N.D.	
14) C222 Bromochloromethane	0.00	128		N.D.	
15) C065 1,2-Dichloroethane	0.00	62		N.D.	
16) C110 2-Butanone	0.00	43		N.D.	
C115 1,1,1-Trichloroethan	9.95	97	3228549	1055.95 ng	95
-Carbon Telldcliloride	9.95	117	286134	107.99 ng	96
CI50 Trichloroethene	12.23	95	25430	12.62 ng	91
227" C130 Bromodichloromethane	0.00	83		N.D.	
23) C140 1,2-Dichloropropane	0.00	63		N.D.	
24) C145 cis-1,3-Dichloroprop	0.00	75		N.D.	
25) C165 Benzene	0.00	78		N.D.	
26) C155 Dibromochloromethane	0.00	129		N.D.	
27) C170 trans-1,3-Dichloropr	0.00	75		N.D.	
28) C160 1,1# 2-Trichloroethan	0.00	97		N.D.	
29) C220 Tetrachloroethene	0.00	166		N.D.	

{#} = qualifier out of range (m) = manual integration
 L2221.D LOWCLP.M Fri Jan 01 15:55:48 1999 I50L

Quantitation Report

000070

Data File C:\ELINK\INSTR1\DATA\123198\L2221.D
 Acq On 31 Dec 1998 20:00
 Sample A8617504 DF2
 Misc
 MS Integration Params: RTEINT.P
 Quant Time: Jan 1 15:55 1999

Vial: 8
 Operator: CAS
 Inst : Incos 150
 Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
 Title : I50L CLP LOW LEVEL WATER
 Last Update : Thu Nov 12 11:47:18 1998
 Response via : Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12
 DataAcq Meth : METHOD.M

Compound	R.T.	Qlon	Response	Cone Unit	Qvalue
30) C163 1,2-Dibromoethane	0.00	109		N.D.	
31) C210 4-Methyl-2-Pentanone	0.00	43		N.D.	
32) C215 2-Hexanone	0.00	43		N.D.	
30) C230 Toluene	14.59	91	31894	5.16 ng	9
31) C235 Chlorobenzene	0.00	112		N.D.	
35) C240 Ethylbenzene	0.00	91		N.D.	
36) C246 m,p-Xylene	0.00	106		N.D.	
37) C247 o-Xylene	0.00	106		N.D.	
38) C245 Styrene	0.00	104		N.D.	
39) C225 1,1,2,2-Tetrachloroe	0.00	83		N.D.	
41) C180 Bromoform	0.00	173		N.D.	
42) C260 1,3-Dichlorobenzene	0.00	146		N.D.	
43) C267 1,4-Dichlorobenzene	0.00	146		N.D.	
44) C249 1,2-Dichlorobenzene	0.00	146		N.D.	
45) C286 1,2-Dibromo-3-Chloro	0.00	75		N.D.	
46) C313 1,2,4-Trichlorobenze	0.00	180		N.D.	

M?

0G0071

Abundance

Scan 264 (4.666 min): L6644.D (-)

#7

C035 Acetone

Concen: 60.23 ng

RT: 4.59 min Scan# 258

Delta R.T. -0.03 min

Lab File: L2221.D

Acq: 31 Dec 1998 20:00

Re&

TI/z->

Abundance

Scan 258 (4.592 min): L2221.D

Tgt Ion: 43 Resp: 6611

Ion Ratio Lower Upper

43 100

58 0.0 6.0 46.0#

Ra&

TI/z->

Abundance

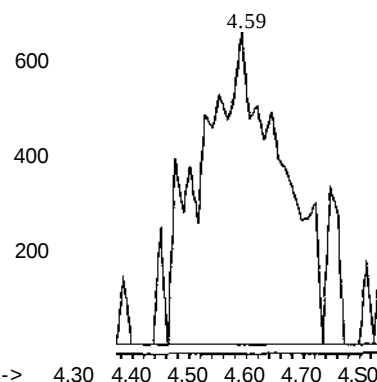
Scan 258 (4.592 min): L2221.D (-)

Sub
50

hi/z->

Abundance

Scan 253 (4.524 min): L6348.D (-)

Sundance Ion 43.00 (42.70 to 43.70): L2221.D
Ion 58.00 (57.70 to 58.70): L2221.D

Abundance

Scan 253 (4.524 min): L6348.D (-)

Re&

TI/z->

Abundance

Scan 248 (4.463 min): L2221.D

#9

C045 1,1-Dichloroethene

Concen: 15.30 ng

RT: 4.46 min Scan# 248

Delta R.T. -0.03 min

Lab File: L2221.D

Acq: 31 Dec 1998 20:00

Tgt Ion: 96 Resp: 25665

Ion Ratio Lower Upper

96 100

61 170.7 165.4 205.4

98 61.5 46.2 86.2

Ra&

TVZ->

Abundance

Scan 248 (4.463 min): L2221.D (-)

Sub
50

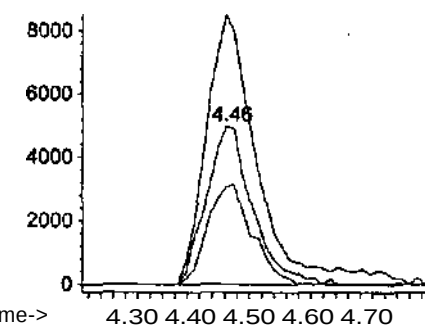
TI/z->

Abundance

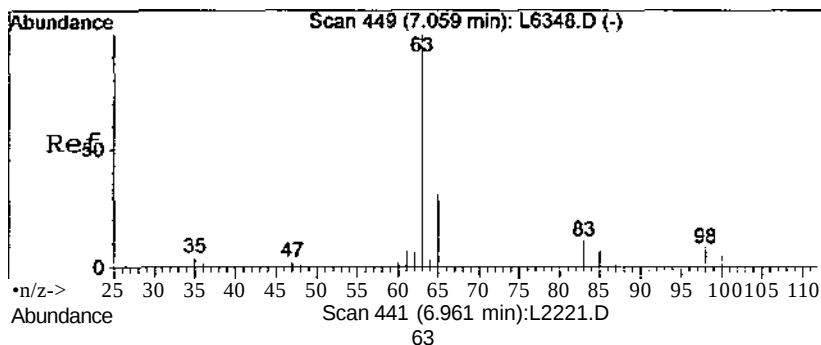
Scan 248 (4.463 min): L2221.D (-)

Sundance Ion 96.00 (95.70 to 96.70): L2221.D
Ion 61.00 (60.70 to 61.70): L2221.D
Ion 98.00 (97.70 to 98.70): L2221.D

10000



000072



#10

C050 1,1-Dichloroethane

Concen: 50.65 ng

RT: 6.96 min Scan# 441

Delta R.T. -0.04 min

Lab File: L2221.D

Acq: 31 Dec 1998 20:00

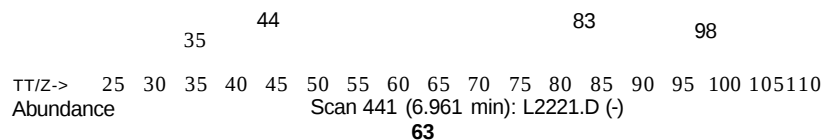
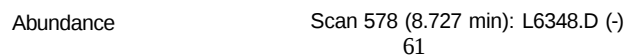
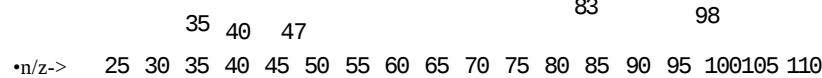
Tgt Ion: 63 Resp: 177739

Ion Ratio Lower Upper

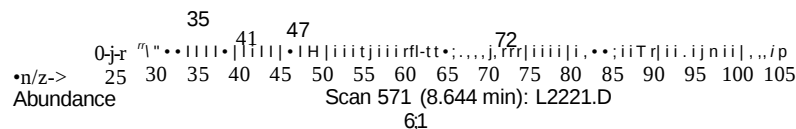
63 100

65 31.2 13.4 53.4

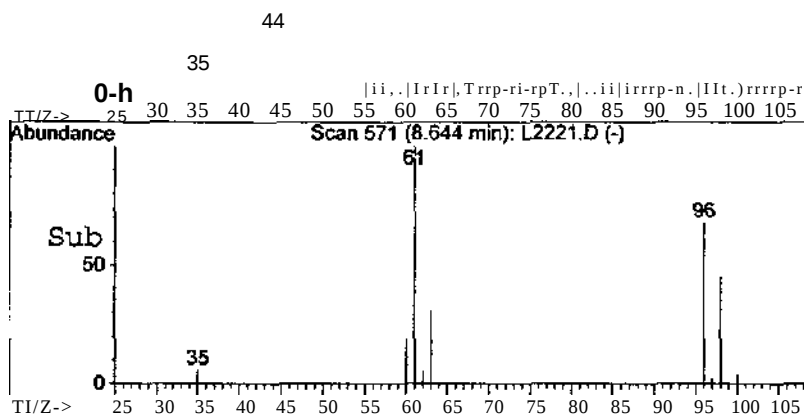
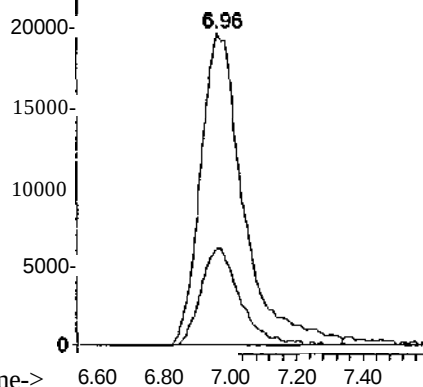
R a ».

Sub
50H

Re<fc.



R a &.

Abundance Ion 63.00 (62.70 to 63.70): L2221.D
Ion 65.00 (64.70 to 65.70): L2221.D

#12

C056 cis-1,2-Dichloroethene

Concen: 25.04 ng

RT: 8.64 min Scan# 571

Delta R.T. -0.04 min

Lab File: L2221.D

Acq: 31 Dec 1998 20:00

Tgt Ion: 96 Resp: 41838

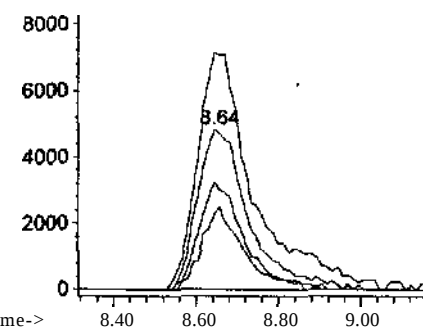
Ion Ratio Lower Upper

96 100

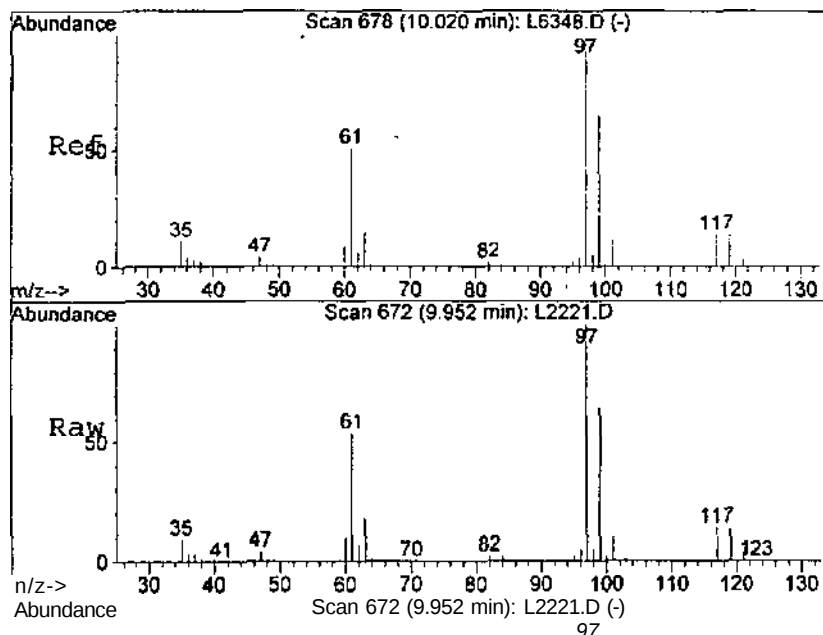
61 147.8 133.9 173.9

98 67.2 46.3 86.3

63 46.6 28.2 68.2

Abundance Ion 96.00 (95.70 to 96.70): L2221.D
Ion 61.00 (60.70 to 61.70): L2221.D
Ion 98.00 (97.70 to 98.70): L2221.D
Ion 63.00 (62.70 to 63.70): L2221.D

000073



#19

CI15 1,1,1-Trichloroethane

Concen: 1055.95 ng

RT: 9.95 min Scan# 672

Delta R.T. -0.04 min

Lab File: L2221.D

Acq: 31 Dec 1998 20:00

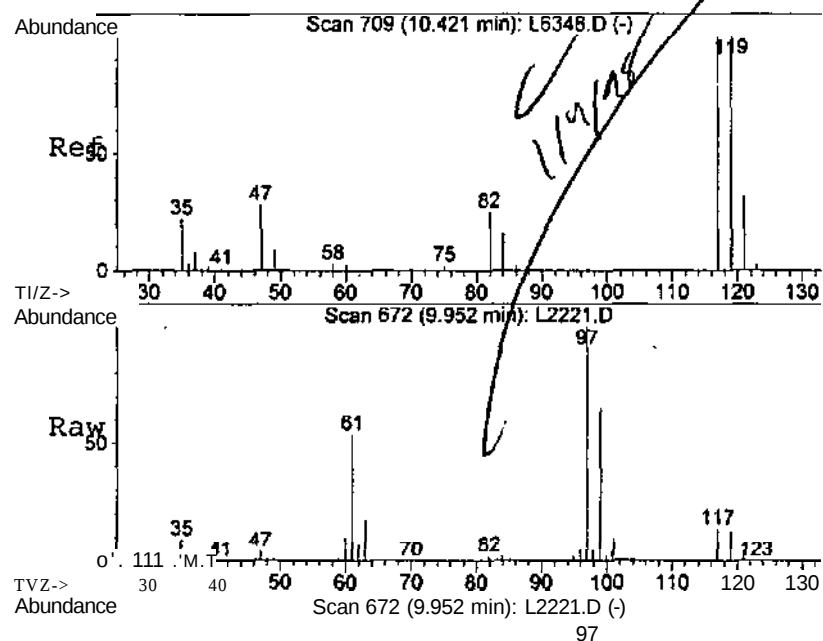
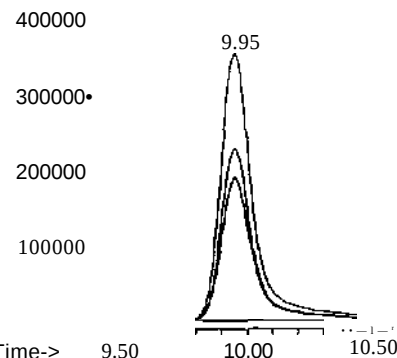
Tgt Ion: 97 Resp: 3228549

Ion	Ratio	Lower	Upper
97	100		
99	65.3	54.1	81.1
61	54.2	38.6	57.8

Abundance Ion 97.00 (96.70 to 97.70): L2221.D

Ion 99.00 (98.70 to 99.70): L2221.D

Ion 61.00 (60.70 to 61.70): L2221.D



#20

C120 Carbon Tetrachloride

Concen: 107.99 ng

RT: 9.95 min Scan# 672

Delta R.T. -0.44 min

Lab File: L2221.D

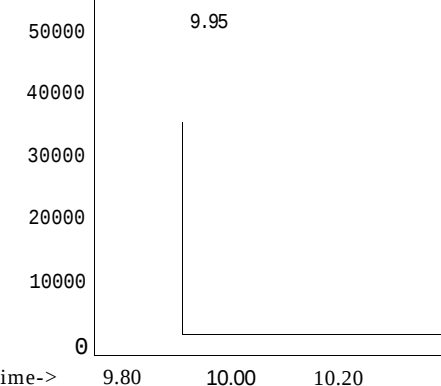
Acq: 31 Dec 1998 20:00

Tgt Ion: 117 Resp: 286134

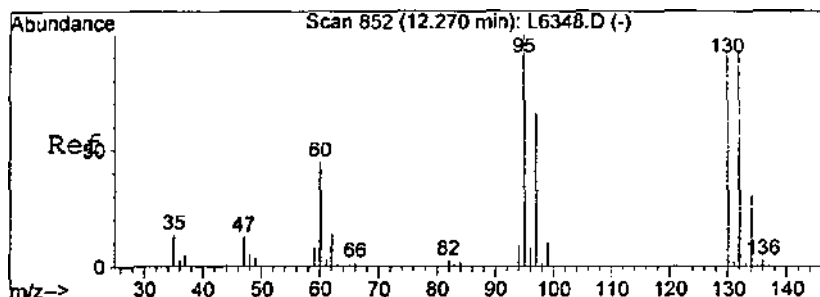
Ion	Ratio	Lower	Upper
117	100		
119	94.7	79.0	119.0

Abundance Ion 117.00 (116.70 to 117.70): L2221.D

Ion 119.00 (118.70 to 119.70): L2221.D

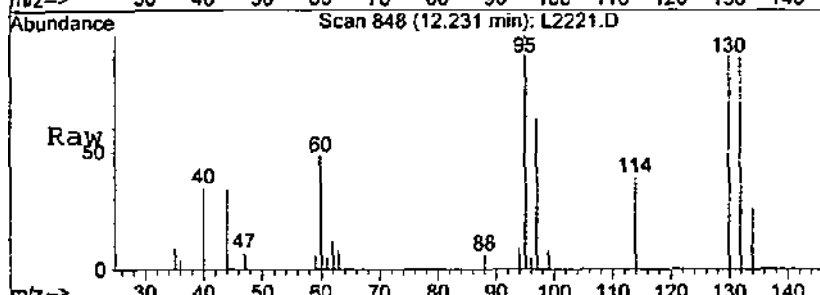


000074

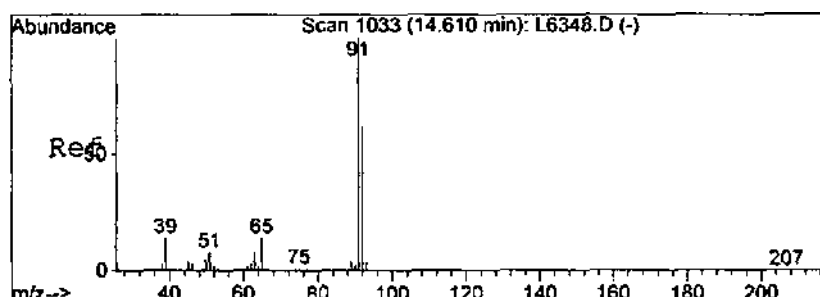
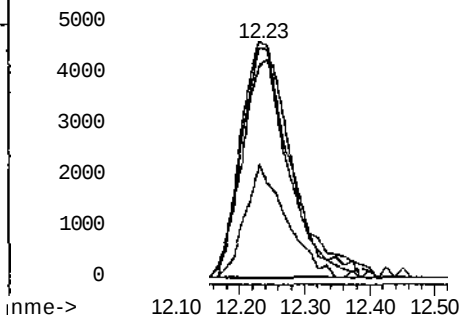
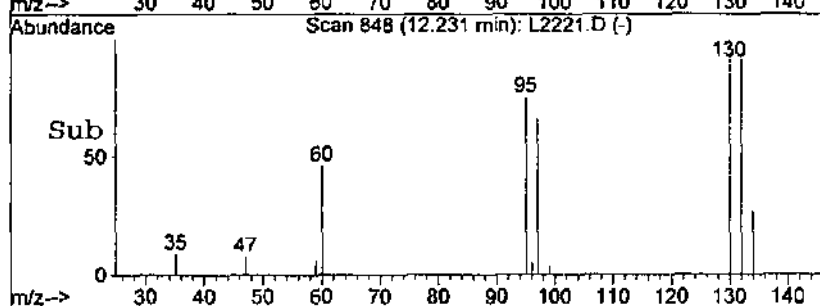


#21
C150 Trichloroethene
Concen: 12.62 ng
RT: 12.23 min Scan# 848
Delta R.T. -0.04 min
Lab File: L2221.D
Acq: 31 Dec 1998 20:00

Tgt Ion	Ratio	Lower	Upper
95	100		
130	96.9	85.4	128.0
132	89.6	81.4	122.2
60	47.9	37.0	55.6

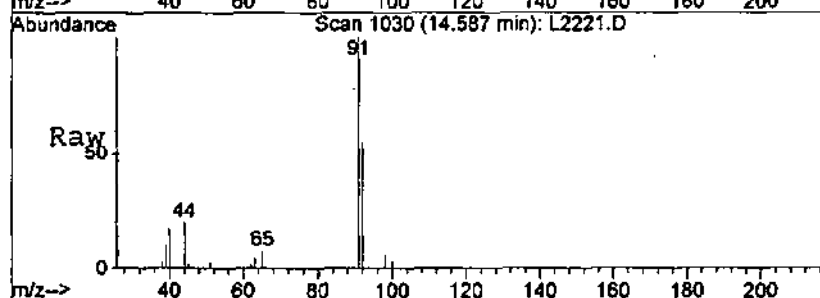


Abundance Ion 95.00 (94.70 to 95.70): L2221.D
7000 Ion 130.00 (129.70 to 130.70): L2221.D
6000 Ion 132.00 (131.70 to 132.70): L2221.D
5000 Ion 60.00 (59.70 to 60.70): L2221.D

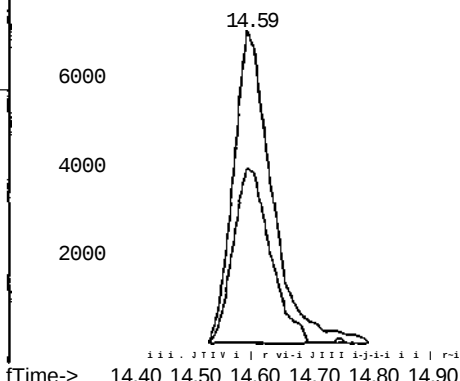
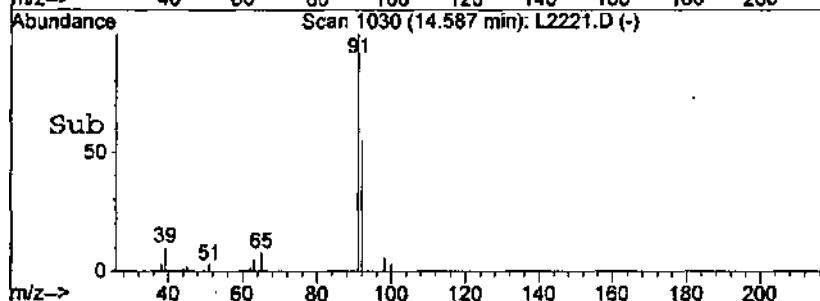


#33
C230 Toluene
Concen: 5.16 ng
RT: 14.59 min Scan# 1030
Delta R.T. -0.03 min
Lab File: L2221.D
Acq: 31 Dec 1998 20:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.4	49.1	73.7



Abundance Ion 91.00 (90.70 to 91.70): L2221.D
8000 Ion 92.00 (91.70 to 92.70): L2221.D



ii

LSC Peak Summary Report

000075

Data File : C:\ELINK\INSTR1\DATA\123198\L2213.D

Vial: 3

Acq On : 31 Dec 1998 15:30

Operator: CAS

Sample : A8617504DL DF10

Inst : Incos 150

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)

Title : I50L CLP LOW LEVEL WATER

Library : C:\DATABASE\NBS75K.L

Threshold : 40 percent of closest IS

Max # of LSC : 10

Peak	RT	Area	IS Reference	IS Area	LSC
1	2.46	48264	CI10 1,4-Difluorobenzene	1042490	4.63
2	2.64	39539	CI10 1,4-Difluorobenzene	1042490	3.79
3	8.88	52082	CI10 1,4-Difluorobenzene	1042490	5.00
4	14.47	50164	CI20 D5-Chlorobenzene	1301980	3.85
5	19.09	47848	CI30 D4-1, 4-Dichlorobenzene	1367870	3.50

LESS THAN
40% OF INT
5/10
min
11/11/99

U

0

IS	Name	RT	Area	RT Window
1	CI10 1,4-Difluorobenzene	11.73	1042490	0.00 - 14.29
2	CI20 D5-Chlorobenzene	16.85	1301980	14.30 - 18.68
3	CI30 D4-1,4-Dichlorobenzene	20.52	1367870	18.69 - 25.02

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000076

Client No

PW1-23DL

* Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY

Case No.:

SAS No.:

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617504DL

; Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2213.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/91

; s Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/31/98

r^C Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 10.00

"Soil Extract Volume: (uL)

Soil Aliquot Volume: CuL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.

COMPOUND

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	4	BDJ
67-64-1	Acetone	50	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1 -Dichloroethane	3	DJ
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2 -Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2 -Dichloroethane	10	U
78-93-3	2- But anone	50	U
74-97-5	Bromochloromethane	10	U
71-55-6	1,1,1-Trichloroethane	120	D
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2 - Dichloropropane	10	U
10061-01-5-	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	2	DJ
124-48-1	Dibromochlorome thane	10	U
79-00-5	1,1, 2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4 -Methyl - 2 -pent anone	50	U
591-78-6	2 -Hexanone	50	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1, 2, 2-Tetrachloroethane	10	U
106-93-4	1,2 -Dibromoe thane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000077

Client No.

PW1-23DL

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY

Case No. : _____

SAS No.:

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617504DL

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2213.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

Moisture: not dec. _____

Heated Purge: N

Date Analyzed: 12/31/98

3C Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 10.00

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U
541-73-1	1,3 -Dichlorobenzene	10	U
106-46-7	1,4 -Dichlorobenzene	10	U
95-50-1	1, 2-Dichlorobenzene	10	U
96-12-8	1,2 -Dibromo- 3 - chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

0

EPA 3/95 CLP - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000078

Client No.

?!

PW1-23DL

Lab Name.- Recra LabNet

Contract: NY99-051

Lab Code: RECNY Case No.:

SAS No.: _____

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617504DL

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2213.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

% Moisture: not dec.

Date Analyzed: 12/31/98

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 10.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

fi

CONCENTRATION UNITS:

Number TICs found:

(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Cone.	Q

Li

a

(I

Quantitation Report

000079

Data File C:\ELINK\INSTR1\DATA\123198\L2213.D
Acq On 31 Dec 1998 15:30
Sample A8617504DL DF10
Misc
MS Integration Params: RTEINT.P
Quant Time: Jan 1 16:33 1999

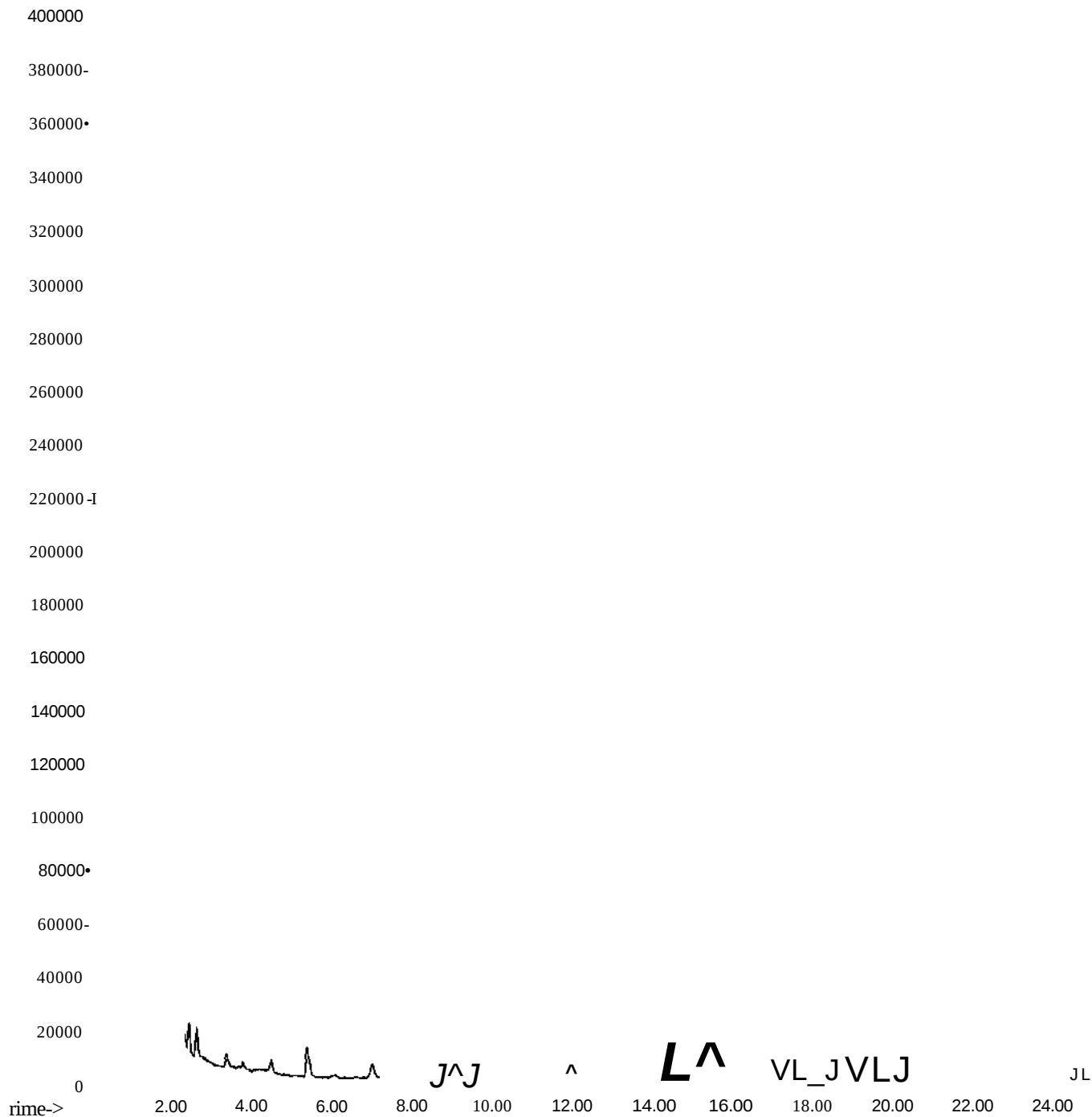
Vial: 3
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW LEVEL WATER
Last Update Thu Nov 12 11:47:18 1998
Response via Continuing Cal File: C:\ELINK\INSTR1\DATA\123198\L2209.D

Abundance

TIC:L2213.D



Quantitation Report

0000SO

Data File C:\ELINK\INSTRI\DATA\123198\L2213.D
Acq On 31 Dec 1998 15:30
Sample A8617504DL DF10 -T' Q U
Misc
MS Integration Params: RTEINT.P
Quant Time: Jan 1 16:33 1999

Vial: 3
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTRI\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW LEVEL WATER
Last Update Thu Nov 12 11:47:18 1998
Response via Single (C:\ELINK\INSTRI\DATA\123198\L2209.D 31 Dec 1998 12
DataAcq Meth METHOD.M
IS QA File C:\ELINK\INSTRI\DATA\123198\L2209.D (31 Dec 1998 12:51)

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min)
						Rcv(Ar)
1) CI10 1,4-Difluorobenzene	11.73	114	495946	125 00	ng	-0.04 100.94%
18) CI20 D5-Chlorobenzene	16.85	117	439572	125 00	ng	-0.03 102.14%
40) CI30 D4-1,4-Dichlorobenze	20.52	152	216660	125 00	ng	-0.03 98.84%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene 18.72 174 165787 121.78 ng -0.04
Spiked Amount 125.000 Range 80 - 120 Recovery = 97.42%

Target Compounds

Qvalue

2) C010 Chloromethane	0.00	50		N.D.	
3) C015 Bromomethane	0.00	94		N.D.	
4) C020 Vinyl Chloride	0.00	62		N.D.	
5) C025 Chloroethane	0.00	64		N.D.	
Ar C030 Methylene Chloride	5.37	84	15806	10.24 ng	# 80
C035 Acetone	0.00	43		N.D.	
8) C040 Carbon Disulfide	0.00	76		N.D.	
9) C045 1,1-Dichloroethene	0.00	96		N.D.	
C050 1,1-Dichloroethane	6.99	63	27168	8.03 ng	87
11) C057 trans-1,2-dichloroet	0.00	96		N.D.	
12) C056 cis-1,2-Dichloroethe	0.00	96		N.D.	
13) C060 Chloroform	0.00	83		N.D.	
14) C222 Bromochloromethane	0.00	128		N.D.	
15) C065 1,2-Dichloroethane	0.00	62		N.D.	
16) C110 2-Butanone	0.00	43		N.D.	
Ar 88- C115 1,1,1-Trichloroethan	9.96	97	843372	298.61 ng	95
CT2^ •edlhon Tetrachloride	9.96	117	77751	31.77 ng	89
21) C150 Trichloroethene	12.24	95	9372	5.03 ng	80
22) C130 Bromodichloromethane	0.00	83		N.D.	
23) C140 1,2-Dichloropropane	0.00	63		N.D.	
24) C145 cis-1,3-Dichloroprop	0.00	75		N.D.	
25) C165 Benzene	0.00	78		N.D.	
26) C155 Dibromochloromethane	0.00	129		N.D.	
27) C170 trans-1,3-Dichloropr	0.00	75		N.D.	
28) C160 1,1,2-Trichloroethan	0.00	97		N.D.	
29) C220 Tetrachloroethene	0.00	166		N.D.	

{#} = qualifier out of range (m) - manual integration

L2213.D LOWCLP.M

Fri Jan 01 16:33:38 1999

I50L

Page 1

Quantitation Report

OCOOS1

Data File C:\ELINK\INSTR1\DATA\123198\L2213.D
 Acq On 31 Dec 1998 15:30
 Sample A8617504DL DF10
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Jan 1 16:33 1999

Vial: 3
 Operator CAS
 Inst Incos 150
 Multiplr 1.00

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
 Title I50L CLP LOW LEVEL WATER
 Last Update Thu Nov 12 11:47:18 1998
 Response via Single {C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12
 DataAcq Meth METHOD.M

	Compound	R.T.	Qlon	Response	Cone Unit	Qvalue
30)	C163 1,2-Dibromoethane	0.00	109		N.D.	
31)	C210 4-Methyl-2-Pentanone	0.00	43		N.D.	
32)	C215 2-Hexanone	0.00	43		N.D.	
33)	C230 Toluene	0.00	91		N.D.	
34)	C235 Chlorobenzene	0.00	112		N.D.	
35)	C240 Ethylbenzene	0.00	91		N.D.	
36)	C246 m,p-Xylene	0.00	106		N.D.	
37)	C247 o-Xylene	0.00	106		N.D.	
38)	C245 Styrene	0.00	104		N.D.	
39)	C225 1,1,2,2-Tetrachloroe	0.00	83		N.D.	
41)	C180 Bromoform	0.00	173		N.D.	
42)	C260 1,3-Dichlorobenzene	0.00	146		N.D.	
43)	C267 1,4-Dichlorobenzene	0.00	146		N.D.	
44)	C249 1,2-Dichlorobenzene	0.00	146		N.D.	
	T) 2-Dibromo-3-Chloro	21.93	75	1734	14.88 ng	
46)	C313 1,2,4-Trichlorobenze	0.00	180		N.D.	



(#) = qualifier out of range (m) = manual integration

L2213.D LOWCLP.M

Fri Jan 01 16:33:40 1999

I50L

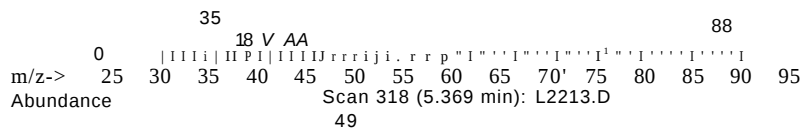
Page 2

000082

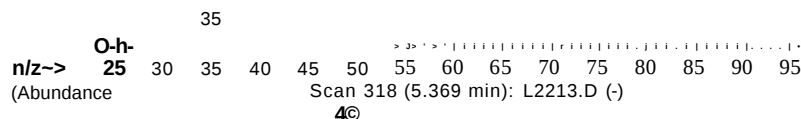
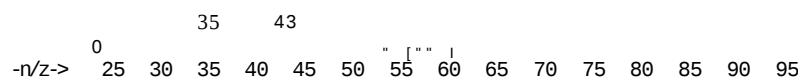
Abundance

Scan 324 (5.442 min): L6348.D (-)
49

Re&.



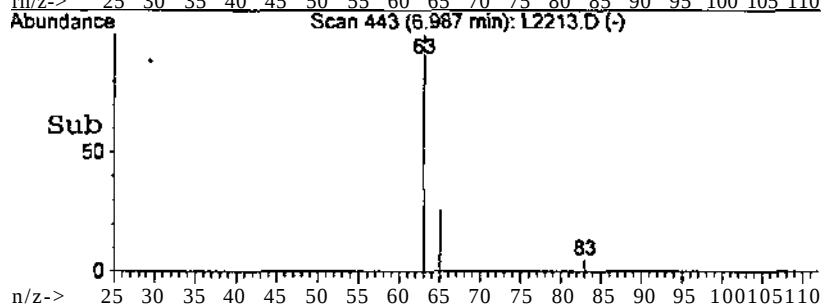
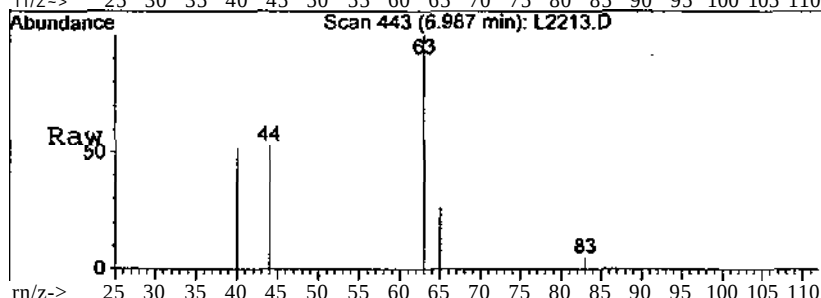
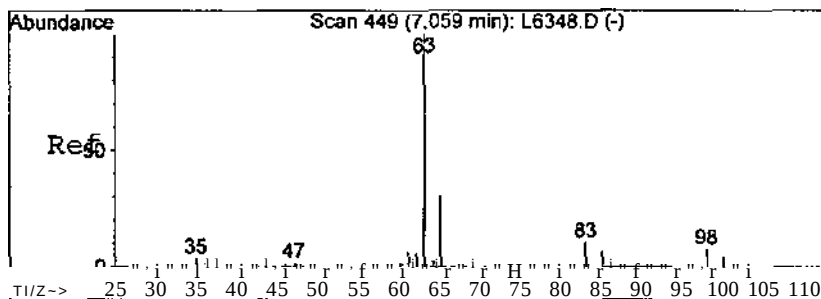
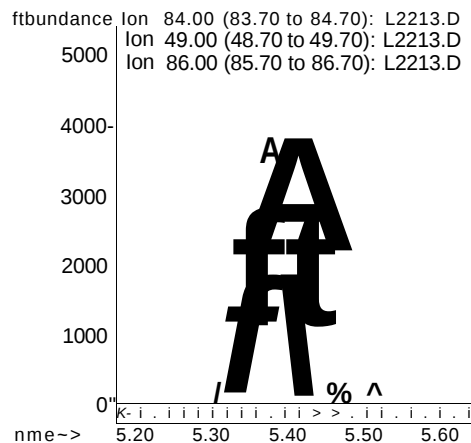
R a &

Sub
50

#6

C030 Methylene Chloride
Concen: 10.24 ng
RT: 5.37 min Scan# 318
Delta R.T. -0.03 min
Lab File: L2213.D
Acq: 31 Dec 1998 15:30

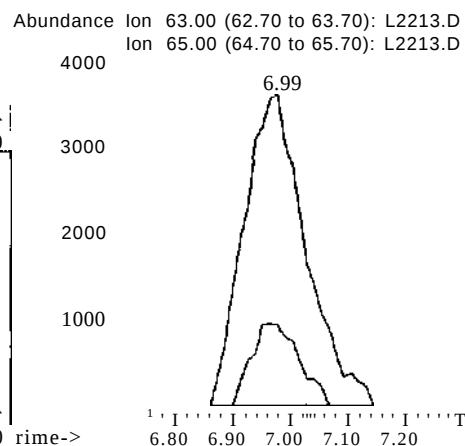
Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.9	135.8	175.8#
86	63.3	47.3	87.3



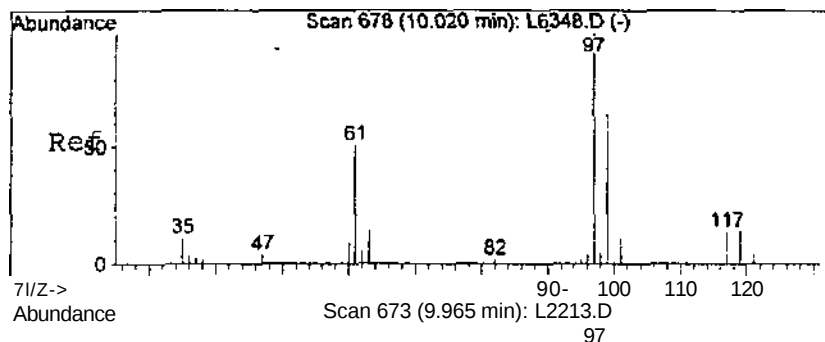
#10

C050 1,1-Dichloroethane
Concen: 8.03 ng
RT: 6.99 min Scan# 443
Delta R.T. -0.01 min
Lab File: L2213.D
Acq: 31 Dec 1998 15:30

Tgt ion	Ratio	Lower	Upper
63	100		
65	26.0	13.4	53.4



0G00S3



#19

C115 1,1,1-Trichloroethane

Concen: 298.61 ng

RT: 9.96 min Scan# 673

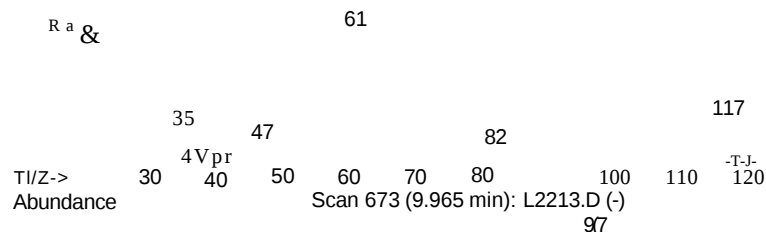
Delta R.T. -0.03 min

Lab File: L2213.D

Acq: 31 Dec 1998 15:30

Tgt ion: 97 Resp: 843372

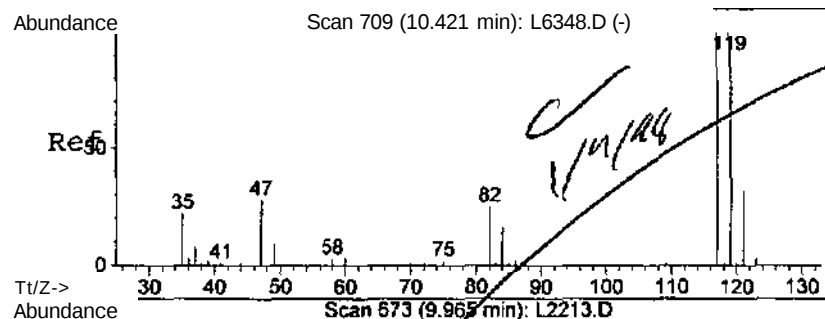
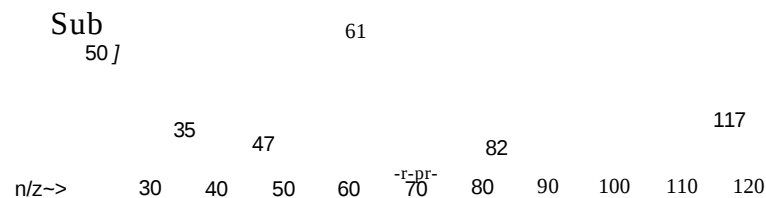
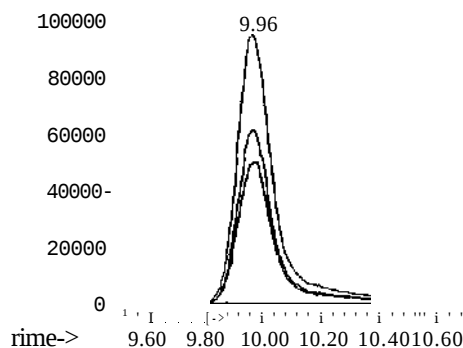
Ion	Ratio	Lower	Upper
97	100		
99	64.7	54.1	81.1
61	52.3	38.6	57.8



Abundance Ion 97.00 (96.70 to 97.70): L2213.D

Ion 99.00 (98.70 to 99.70): L2213.D

120000 Ion 61.00 (60.70 to 61.70): L2213.D



#20

C120 Carbon Tetrachloride

Concen: 31.77 ng

RT: 9.96 min Scan# 673

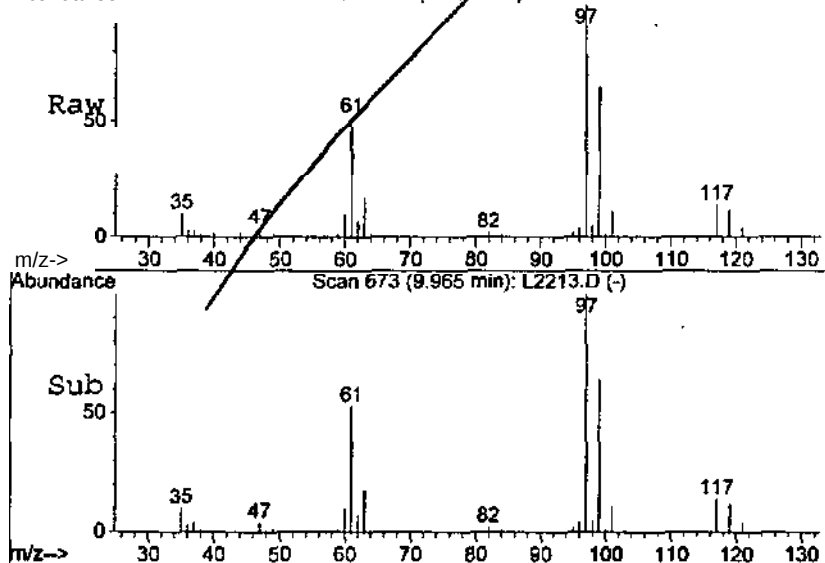
Delta R.T. -0.43 min

Lab File: L2213.D

Acq: 31 Dec 1998 15:30

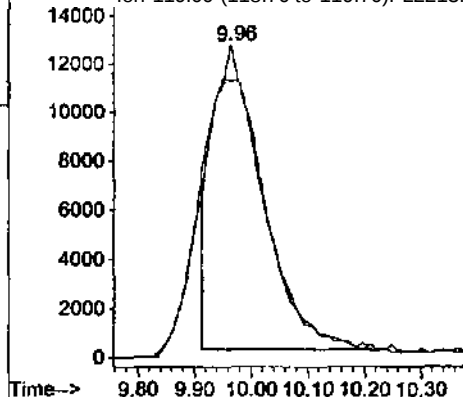
Tgt Ion: 117 Resp: 77751

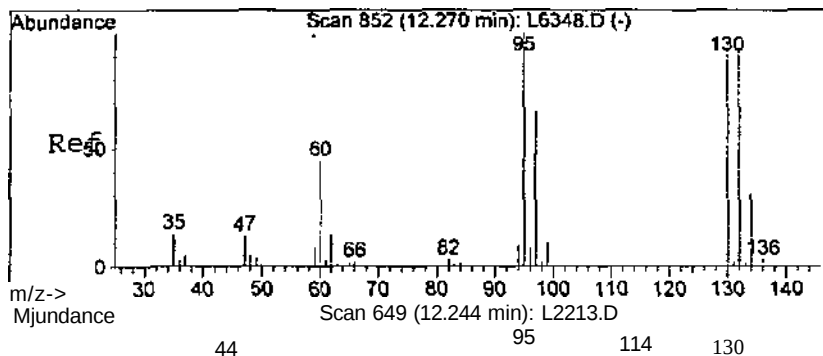
Ion	Ratio	Lower	Upper
117	100		
119	87.8	79.0	119.0



Abundance Ion 117.00 (116.70 to 117.70): L2213.

Ion 119.00 (118.70 to 119.70): L2213.





#21

C150 Trichloroethene

Concen: 5.03 ng

RT: 12.24 min Scan# 849

Delta R.T. -0.03 min

Lab File: L2213.D

Acq: 31 Dec 1998 15:30

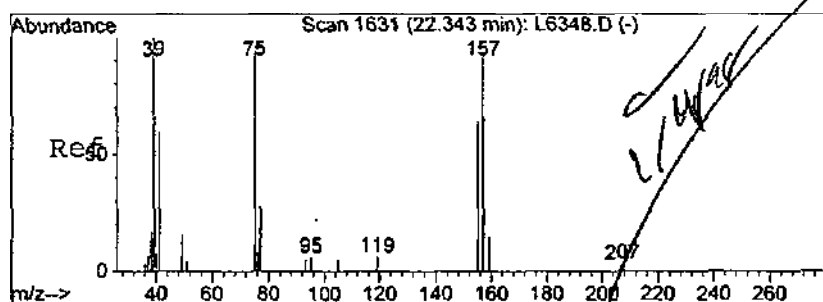
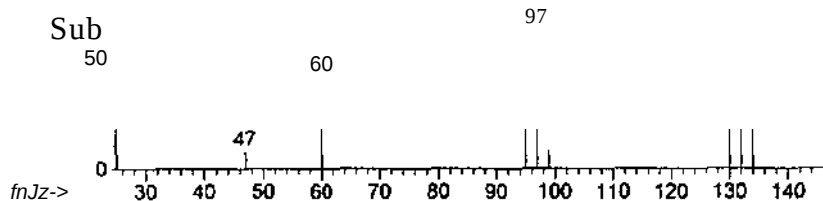
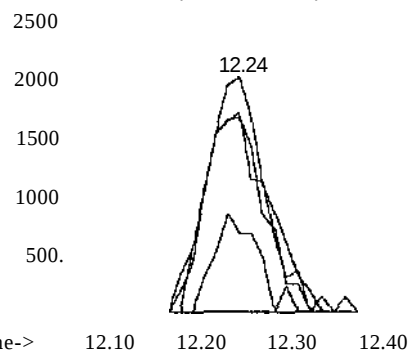
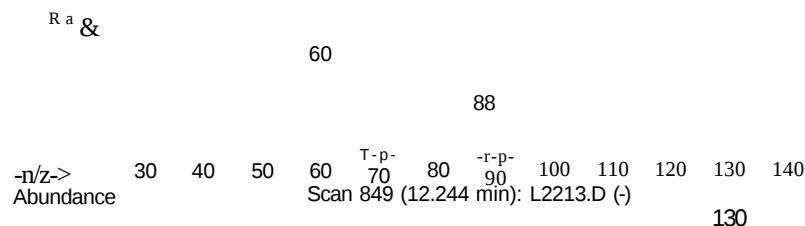
Tgt Ion	Ratio	Lower	Upper
95	100		
130	84.8	85.4	128.0#
132	82.8	81.4	122.2
60	33.6	37.0	55.6#

Abundance Ion 95.00 (94.70 to 95.70): L2213.D

Ion 130.00 (129.70 to 130.70): L2213.D

Ion 132.00 (131.70 to 132.70): L2213.D

Ion 60.00 (59.70 to 60.70): L2213.D



#45

C286 1,2-Dibromo-3-Chloropro

Concen: 14.88 ng

RT: 21.93 min Scan#. 1597

Delta R.T. -0.40 min

Lab File: L2213.D

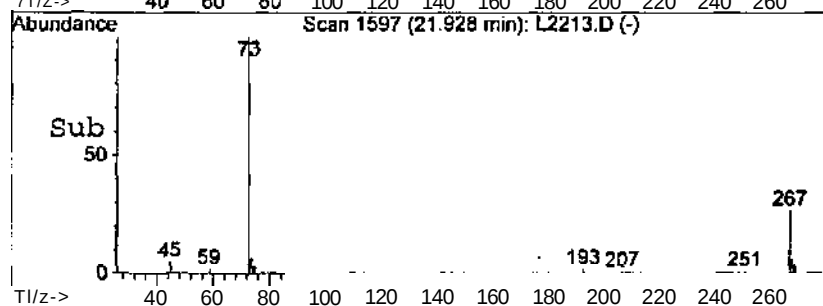
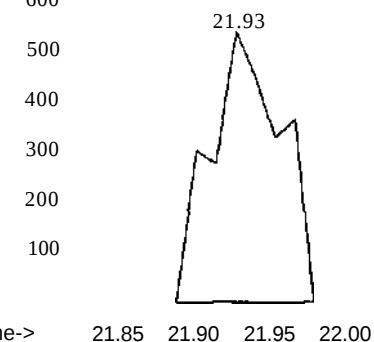
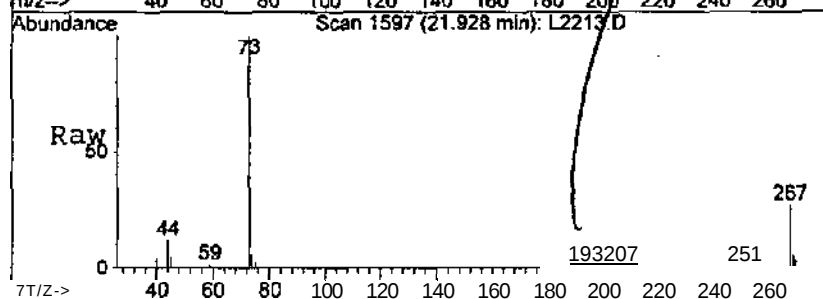
Acq: 31 Dec 1998 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
157	0.0	90.7	136.1#
39	0.0	76.1	114.1#

Sundance ion 75.00 (74.70 to 75.70): L2213.D

Ion 157.00 (156.70 to 157.70): L2213.D

Ion 39.00 (38.70 to 39.70): L2213.D



LSC Peak Summary Report

0000S:

Data File : C:\ELINK\INSTR1\DATA\123198\L2221.D

Vial: 8

Acq On : 31 Dec 1998 20:00

Operator: CAS

Sample : A8617504 DF2

Inst : Incos 150

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)

Title : I50L CLP LOW LEVEL WATER

Library : C:\DATABASE\NBS75K.L

Threshold : 40 percent of closest IS

Max # of LSC : 10

Peak	RT	Area	IS Reference	IS Area	%	LSC
1	2.44	200492	CI10 1,4-Difluorobenzene	1125900	17.81	
2	2.64	191453	CI10 1,4-Difluorobenzene	1125900	17.00	
3	8.85	213688	CI10 1,4-Difluorobenzene	1125900	18.98	

), hi*

IS	Name	RT	Area	RT Window
1	CI10 1,4-Difluorobenzene	11.73	1125900	0.00 - 14.30
2	CI20 D5-Chlorobenzene	16.87	1402330	14.31 - 18.70
3	CI30 D4-1,4-Dichlorobenzene	20.53	1428120	18.71 - 25.02

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000086

Client No

Trip Blank

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY Case No.:

SAS No.:

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617501

; Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2219.RR

Level: (low/med) LOW

Date Samp/Recv: 12/17/98 12/22/98

* s Moisture: not dec.

Heated Purge: N

Date Analyzed: 12/31/98

Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (UL)

Soil Aliquot Volume: _____ [uL]

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

i CAS NO.

COMPOUND

74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000057

Client No.

Trip Blank

Lab Name: Recra LabNet

Contract: NY99-051

; Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: PW117

Matrix: {soil/water) WATER Lab Sample ID: A8617501

\ Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L2219.RR

,Level: {low/med) LOW Date Samp/Recv: 12/17/98 12/22/98

•• % Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/31/98

"3C Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

i Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

- ' CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

100-42-5_____	Styrene	1	U
1330-20-7_____	Total Xylenes	1	U
541-73-1_____	1, 3-Dichlorobenzene	1	U
106-46-7_____	1,4 -Dichlorobenzene	1	U
95-50-1_____	1, 2-Dichlorobenzene	1	U
96-12-8_____	1,2-Dibromo-3-chloropropane	1	U
120-82-1_____	1,2,4-Trichlorobenzene	1	U

EPA 3/95 CLP - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

0000.88

Client No.

Trip Blank

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY

Case No.: _____

SAS No.:

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617501

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2219.RR

Level: (low/med) LOW

Date Samp/Recv: 12/17/98 12/22/98

L % Moisture: not dec. ____.

Date Analyzed: 12/31/98

-3C Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.00

"Soil Extract Volume: _____<uL)

Soil Aliquot Volume: _____<uL)

CONCENTRATION UNITS:

! Number TICs found:

(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Cone.	Q
1.	SILANE, FLUOROTRIMETHYL-	2.91	8	J
2.	SILANOL, TRIMETHYL-	8.90	4	J

Quantitation Report

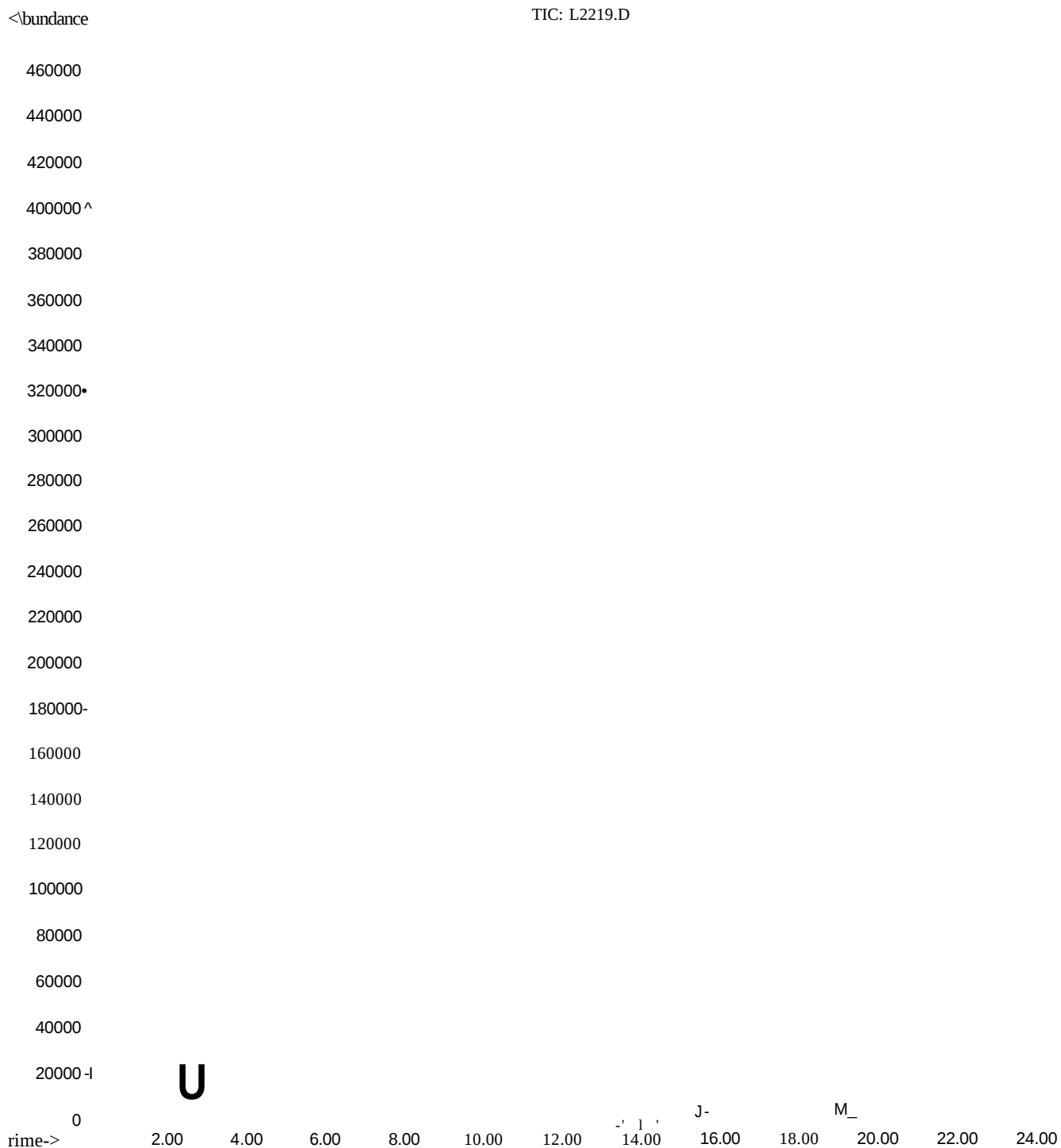
000089

Data File C:\ELINK\INSTR1\DATA\123198\L2219.D
 Acq On 31 Dec 1998 18:56
 Sample A8617501
 Misc
 MS Integration Params: RTEINT.P
 Quant Time: Dec 31 19:27 1998

Vial: 6
 Operator: CAS
 Inst : Incos 150
 Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
 Title I50L CLP LOW LEVEL WATER
 Last Update Thu Nov 12 11:47:18 1998
 Response via Continuing Cal File: C:\ELINK\INSTR1\DATA\123198\L2209.D



Quantitation Report

000030

Data File : C:\ELINK\INSTR1\DATA\123198\L2219.D
 Acq On : 31 Dec 1998 18:56
 Sample : A8617501
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Dec 31 19:27 1998

Vial 6
 Operator CAS
 Inst Incos 150
 Multiplr 1.00

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator) . /
 Title I50L CLP LOW LEVEL WATER A* ^ C<U,
 Last Update Thu Nov 12 11:47:18 1998 ' /[^ W y'
 Response via Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12
 DataAcq Meth METHOD.M
 IS QA File C:\ELINK\INSTR1\DATA\123198\L2209.D (31 Dec 1998 12:51)

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min)	Rcv(Ar)
1) CI10 1,4-Difluorobenzene	11.78	114	543615	125	00 ng	0.01	
18) CI20 D5-Chlorobenzene	16.89	117	476315	125	00 ng	0.01	110.64%
40) CI30 D4-1,4-Dichlorobenze	20.54	152	229712	125	00 ng	0.00	110.68%
							104.80%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene 18.76 174 174673 117.05 ng 0.00
 Spiked Amount 125.000 Range 80 - 120 Recovery = 93.64%

Target Compounds

Qvalue

2) C010 Chloromethane	0 00	50		N.D.			
3) C015 Bromomethane	0 00	94		N.D.			
-C&20_y_ifty2r Chrofile	2 90	62	18816	8.17	ng	#	59
5) C025 Chloroethane	0 00	64		N.D.			
6) C030 Methylene Chloride	0 00	84		N.D.			
7) C035 Acetone	0 00	43		N.D.			
8) C040 Carbon Disulfide	0 00	76		N.D.			
9) C045 1,1-Dichloroethene	0 00	96		N.D.			
10) C050 1,1-Dichloroethane	0 00	63		N.D.			
11) C057 trans-1,2-dichloroet	0 00	96		N.D.			
12) C056 cis-1,2-Dichloroethe	0 00	96		N.D.			
13) C060 Chloroform	0 00	83		N.D.			
14) C222 Bromochloromethane	0 00	128		N.D.			
15) C065 1,2-Dichloroethane	0 00	62		N.D.			
UJ. -LU -2-Bufcsnone	8 89	43	14605	98.95	ng	#	56
19) C115 1,1,1-Trichloroethan	0 00	97		N.D.			
20) C120 Carbon Tetrachloride	0 00	117		N.D.			
21) C150 Trichloroethene	0 00	95		N.D.			
22) C130 Bromodichloromethane	0 00	83		N.D.			
23) C140 1,2-Dichloropropane	0 00	63		N.D.			
24) C145 cis-1,3-Dichloroprop	0 00	75		N.D.			
25) C165 Benzene	0 00	78		N.D.			
26) C155 Dibromochloromethane	0 00	129		N.D.			
27) C170 trans-1,3-Dichloropr	0 00	75		N.D.			
28) C160 1/1,2-Trichloroethan	0 00	97		N.D.			
29) C220 Tetrachloroethene	0 00	166		N.D.			

(#) = qualifier out of range (m) = manual integration

L2219.D LOWCLP.M Thu Dec 31 19:27:38 1998 I50L

Page 1

Quantitation Report

OCOG'^A

Data File C:\ELINK\INSTRI\DATA\L23198\L2219.D
Acq On 31 Dec 1998 18:56
Sample A8617501
Misc
MS Integration Pararas: RTEINT.P
Quant Time: Dec 31 19:27 1998

Vial: 6
Operator: CAS
Inst Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTRI\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW ' LEVEL WATER
Last Update Thu Nov 12 11:47:18 1998
Response via Single (C:\ELINK\INSTRI\DATA\L23198\L2209.D 31 Dec 1998 12
DataAcq Meth METHOD.M

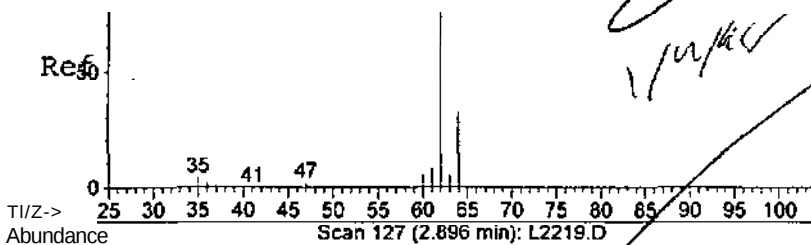
	Compound	R.T.	Qlon	Response	Cone Unit	Qvalue
30)	C163 1,2-Dibromoethane	0 00	109		N.D	
31)	C210 4-Methyl-2-Pentanone	0 00	43		N.D	
32)	C215 2-Hexanone	0 00	43		N.D.	
33)	C230 Toluene	0 00	91		N.D	
34)	C235 Chlorobenzene	0 00	112		N.D	
35)	C240 Ethylbenzene	0 00	91		N.D	
36)	C246 m,p-Xylene	0 00	106		N.D.	
37)	C247 o-Xylene	0 00	106		N.D	
38)	C245 Styrene	0 00	104		N.D	
39)	C225 1,1,2,2-Tetrachloroe	0 00	83		N.D	
41)	C180 Bromoform	0 00	173		N.D	
42)	C260 1,3rDichlorobenzene	0 00	146		N.D	
43)	C267 1,4-Dichlorobenzene	0 00	146		N.D	
44)	C249 1,2-Dichlorobenzene	0 00	146		N.D	
45)	C286 1,2-Dibromo-3-Chloro	0 00	75		N.D	
46)	C313 1,2,4-Trichlorobenze	0 00	180		N.D.	

0000S2

Abundance

Scan 111 (2.688 min): L6348.D (-)

62



#4

C020 Vinyl Chloride

Conce^rT 8.17 ng

RT/2.90 min Scan# 127

Jelta R.T. 0.25 min

Lab File: L2219.D

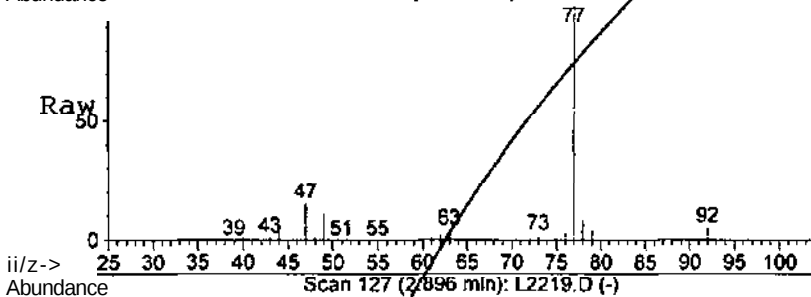
Acq: 31 Dec 1998 18:56

Tgt Ion: 62 Resp: 18816

Ion Ratio Lower Upper

62 100

64 11.3 14.9 54.9#



Abundance Ion 62.00 (61.70 to 62.70): L2219.D

Ion 64.00 (63.70 to 64.30): L2219.D

5000

4000

3000

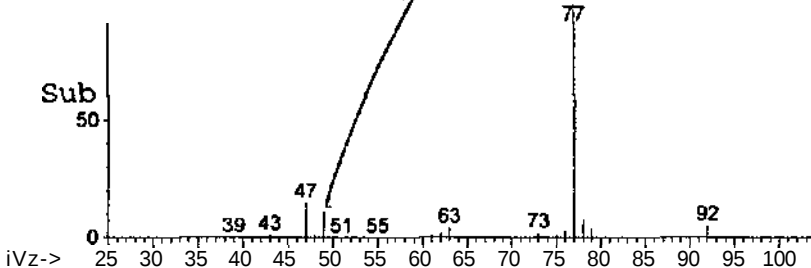
2000

1000

0

2.80 2.90 3.00 3.10

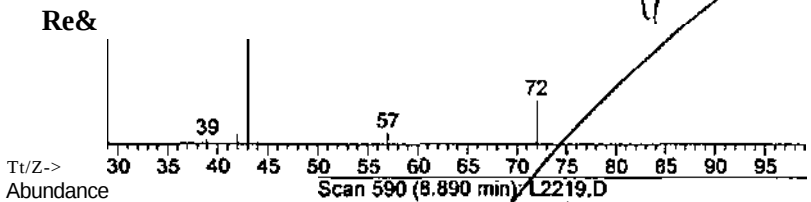
Time-->



Abundance

Scan 587 (8.843 min): L6348.D (-)

^V1/-



#16

C110 2-Butanone

Concen: 98.95 ng

RT: 8.89 min Scan# 590

Delta R.T. 0.06 min

Lab File: L2219.D

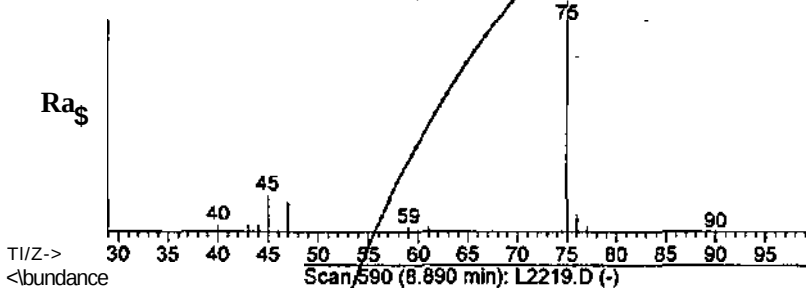
Acq: 31 Dec 1998 18:56

Tgt Ion: 43 Resp: 14605

Ion Ratio Lower Upper

43 100

72 0.0 0.3 40.3#



Abundance Ion 43.00 (42.70 to 43.70): L2219.D

Ion 72.00 (71.70 to 72.70): L2219.D

1500

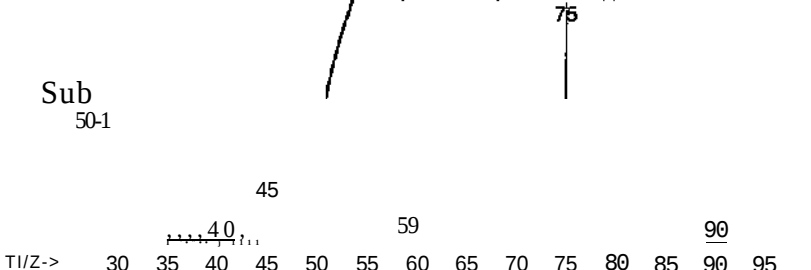
1000

500

0

8.80 8.89 8.90 9.00 9.10 9.20

Time-->



Library Search Compound Report

0000^3

Data File C:\ELINK\INSTR1\DATA\123198\L2219.D
Acq On 31 Dec 1998 18:56
Sample A8617501
Misc
MS Integration Params: LSCINT.P

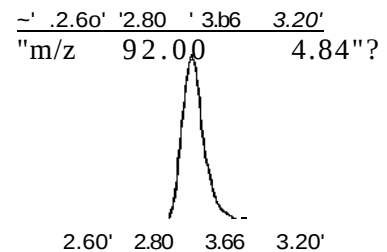
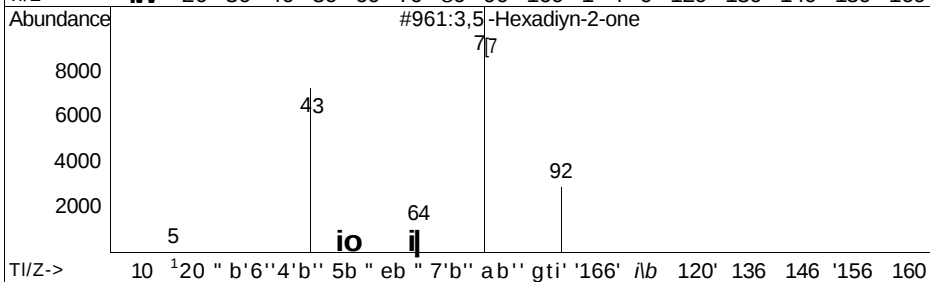
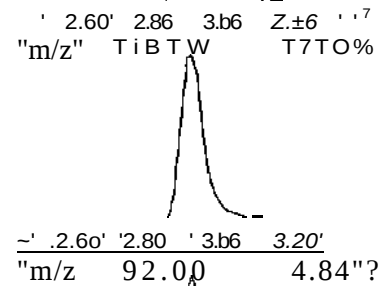
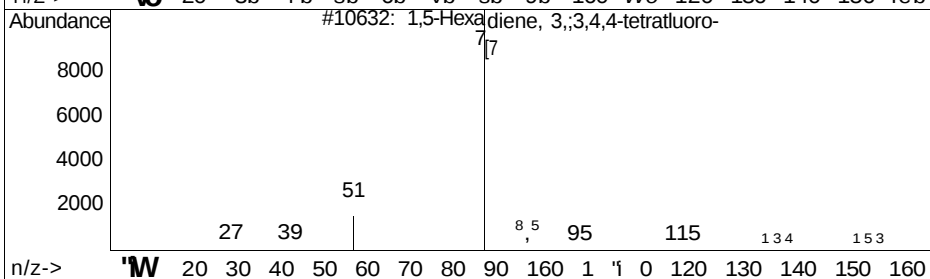
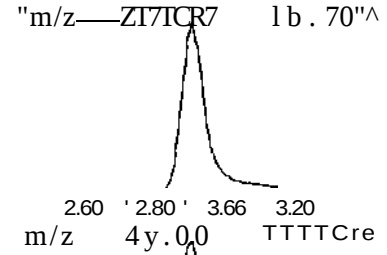
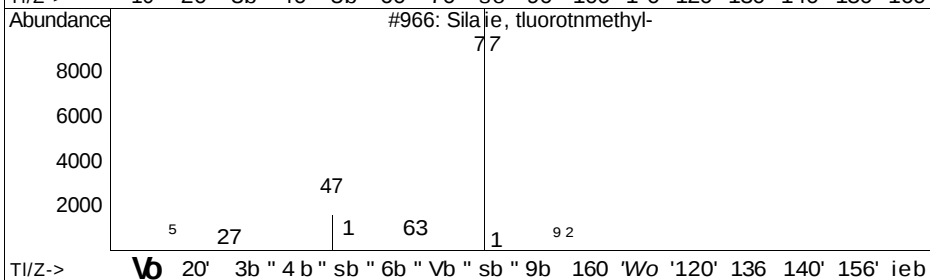
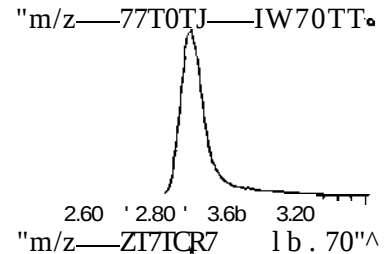
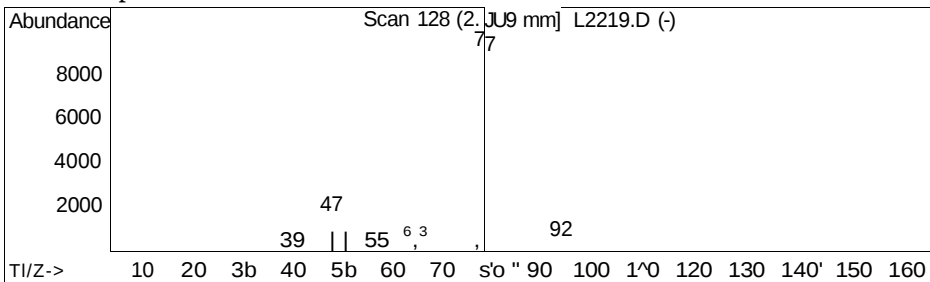
Vial: 6
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW LEVEL WATER
Library C:\DATABASE\NBS75K.L

Peak Number 1 Silane, fluorotrimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
2.91	208.91 ng	1858030	CI10 1,4-Difluor	1111730	11.78

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Silane, fluorotrimethyl-	92	C3H9FSi	000420-56-4	38
2			1,5-Hexadiene, 3,3,4,4-tetrafluoro-	154	C6H6F4	001763-21-9	1
3			3,5-Hexadiyn-2-one	92	C6H4O	031097-80-0	2
4			Propane, 2-chloro-2-nitro-	123	C3H6ClN02	000594-71-8	9



Library Search Compound Report

000094

Data File C:\ELINK\INSTR1\DATA\123198\L2219.D
Acq On 31 Dec 1998 18:56
Sample A8617501
Misc
MS Integration Params: LSCINT.P

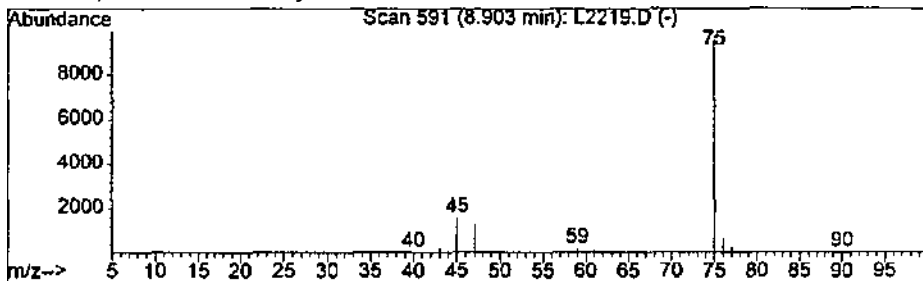
Vial: 6
Operator: CAS
Inst : Incos 150
Multiplr: 1,00

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW LEVEL WATER
Library C:\DATABASE\NBS75K.L

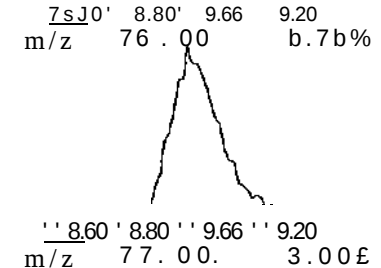
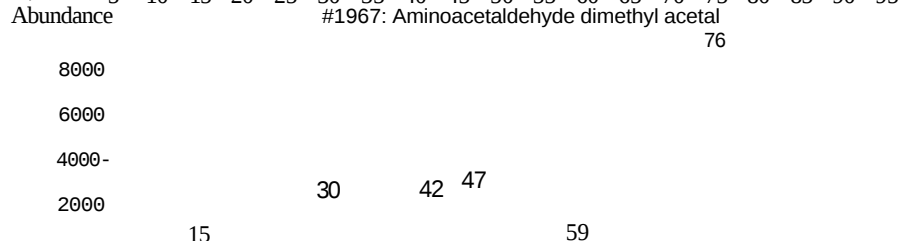
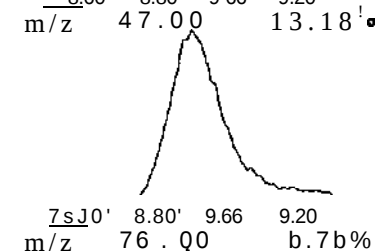
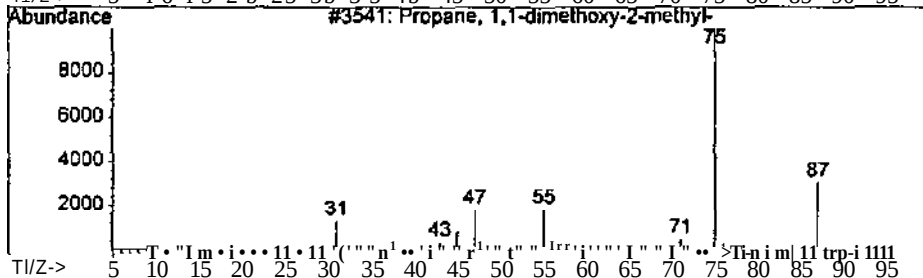
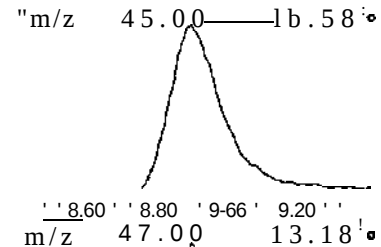
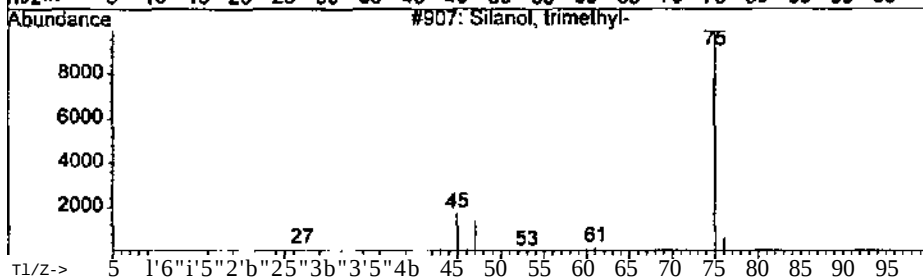
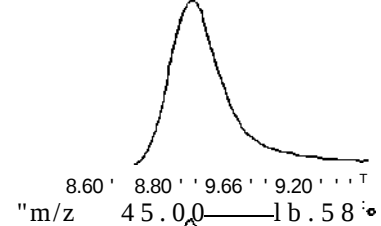
Peak Number 2 Silanol, trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	IS Area	R.T.
8.90	108.87 ng	968271	CI10 1,4-Difluor	1111730	11.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Silanol, trimethyl-	90	C3H10OS1	001066-40-6	43
2		Propane, 1,1-dimethoxy-2-methyl-	118	C6H14O2	041632-89-7	2
3		Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	2
4		1,1-Dimethoxydodecane	230	C14H30O2	000000-00-0	2



1/z—7b.U0 100.00%



TI/Z--> 5 "1b 15 20 25 30i3'5 40 45i 5b"5K" 6b"65" 76 75 6b 8*5"66"9*5

' '8.60 '8.b6' '6.60 9.20'

STANDARDS OATA

1 1

Wi

$$\begin{array}{c} \mathbb{C} \\ \mathbb{Z} \\ \mathbb{Q} \\ \mathbb{O} \\ \mathbb{F} \\ \mathbb{J} \end{array} \quad \begin{array}{c} \mathbb{E} \\ \mathbb{G} \\ \mathbb{U} \\ \mathbb{X} \\ \mathbb{P} \\ \mathbb{I} \end{array} \quad \begin{array}{c} \mathbb{A} \\ \mathbb{T} \\ \mathbb{C} \\ \mathbb{U} \\ \mathbb{X} \\ \mathbb{J} \end{array}$$

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LOW CONCENTRATION VOLATILES, 10/92
INITIAL CALIBRATION DATA

000097

p.-Lab Name: STL Buffalo Contract: NY99-051 Lab Sample ID: A8I0000754-1

• Lab Code: RECNY Case No. : _____ SAS No. : _____ SDG No: PW117

"intrument ID: I50L Calibration Dates(s): 07/28/98 07/28/98

Heated Purge (Y/N): N Calibration Times: 16:05 18:10

• IC Column: DB-624 ID: 0.53(mm)

Lab File ID: _____ RRF1 L6350.RR RRF2 = L6349.RR
RRF5 = L6348.RR RRF10 L6351.RR RRF25 = L6352.RR

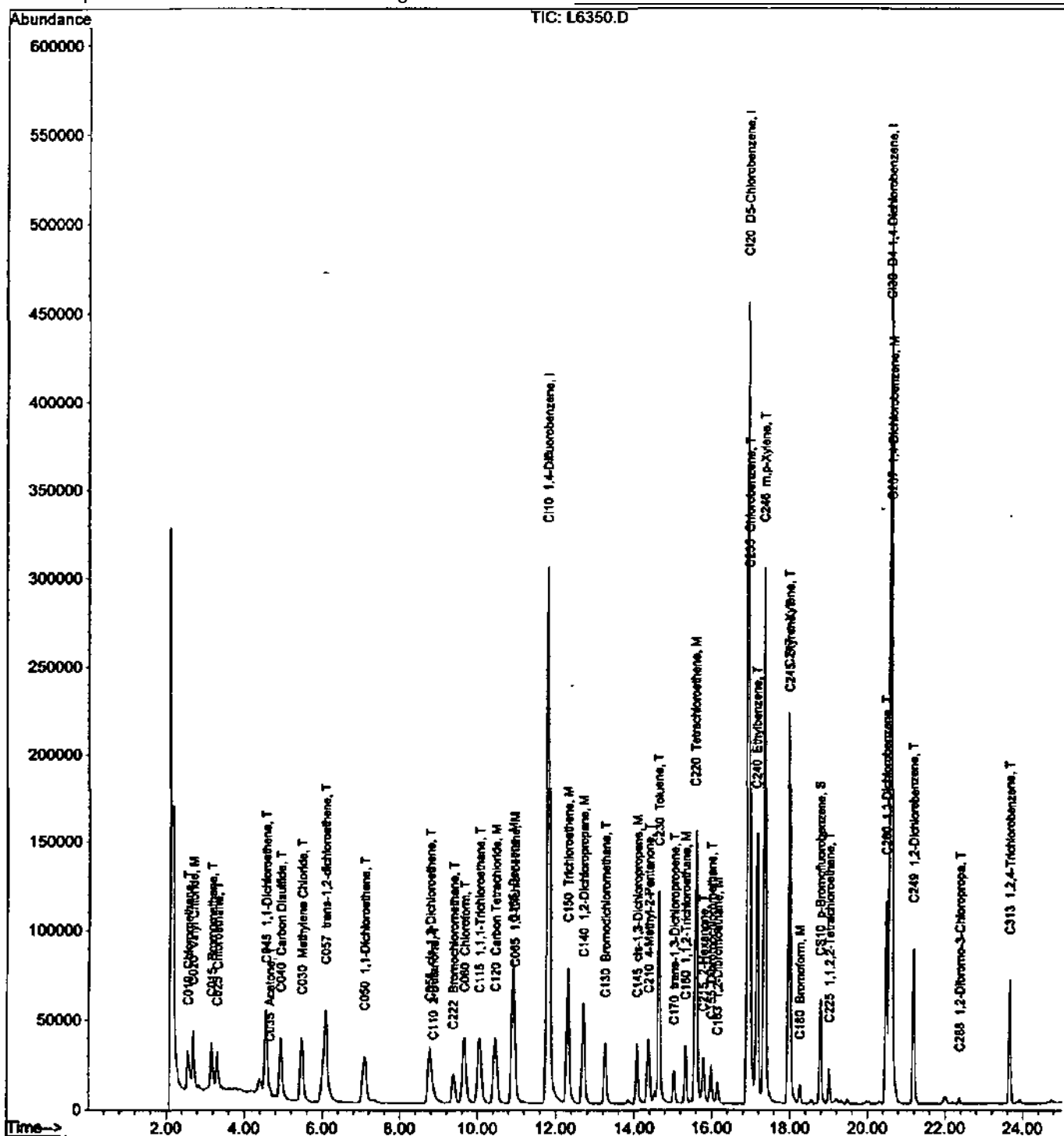
COMPOUND		RRF1	RRF2	RRF5	RRF10	RRF25	AVG RRF	RSD
1,4-Dichlorobenzene	*	2.135	1.862	1.893	1.735	1.806	1.8860	8.000*
1,2-Dichlorobenzene	*	1.471	1.307	1.375	1.258	1.323	1.3470	6.000*
1,2-Dibromo-3-chloropropane		0.032	0.041	0.055	0.054	0.066	0.0500	26.200
1,2,4-Trichlorobenzene		0.937	0.888	0.930	0.778	0.876	0.8820	7.200
p-Bromofluorobenzene	*	0.265	0.294	0.322	0.331	0.340	0.3110	9.800*
	j							I

Comments:

OGOUiifci

Vial: 3
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

```
Method      : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title       : I50L CLP LOW LEVEL WATER
Last Update : Tue Jul 28 16:51:56 1998
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\072898\L6348.D
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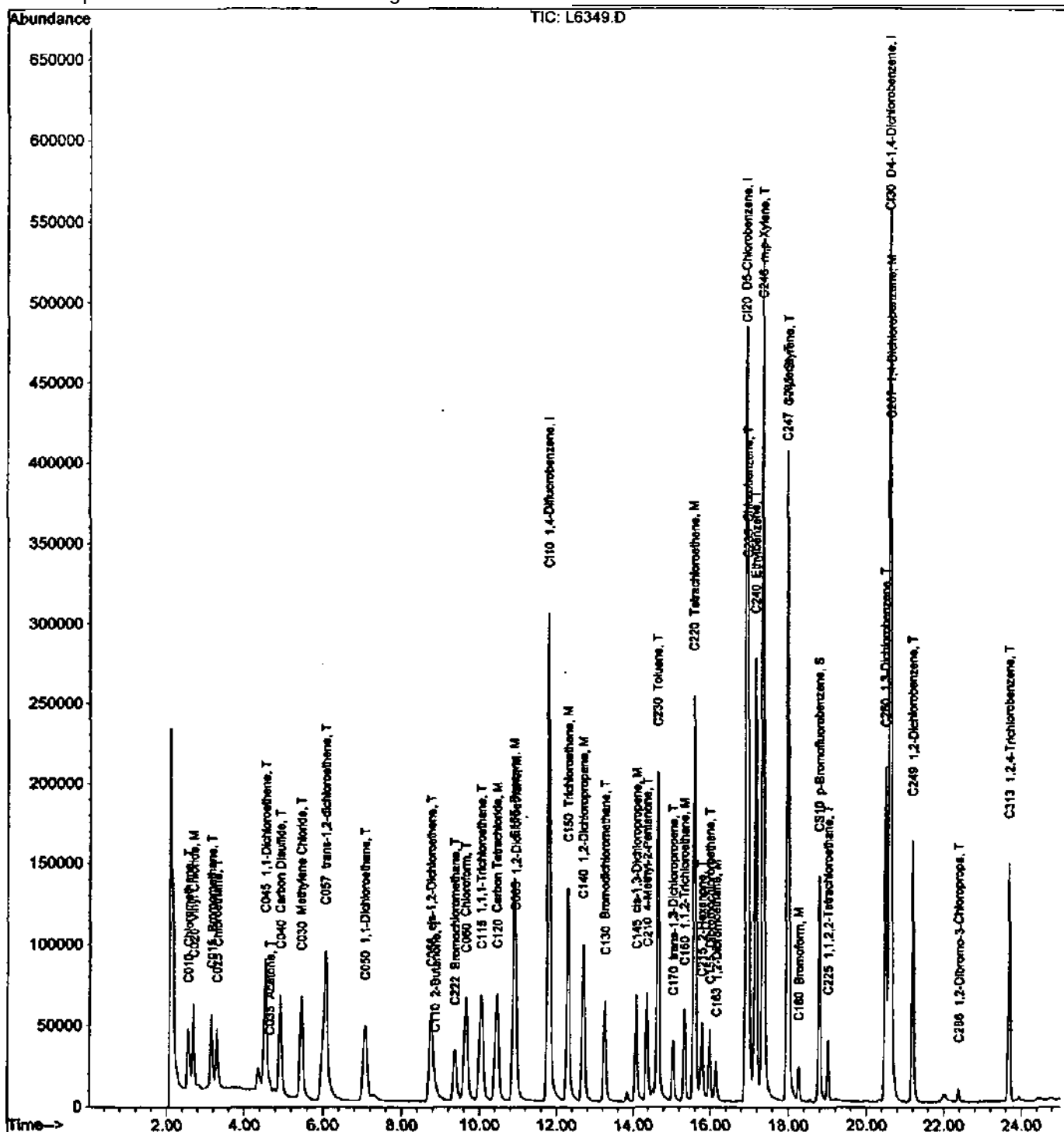
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\072898\L6349.D
 Acq On : 28 Jul 1998 16:36
 Sample : VSTD002
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Jul 28 17:07 1998

Vial: 2
 Operator: CAS
 Inst : Incos 150
 Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
 Title : I50L CLP LOW LEVEL WATER
 Last Update : Tue Jul 28 16:49:16 1998
 Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\072898\L6348.D



Quantitation Report

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Data File C:\ELINK\INSTR1\DATA\072898\L6348.D
Acq On 28 Jul 1998 16:05
Sample VSTD005
Misc
MS Integration Params: RTEINT.P
Quant Time: Jul 28 17:07 1998

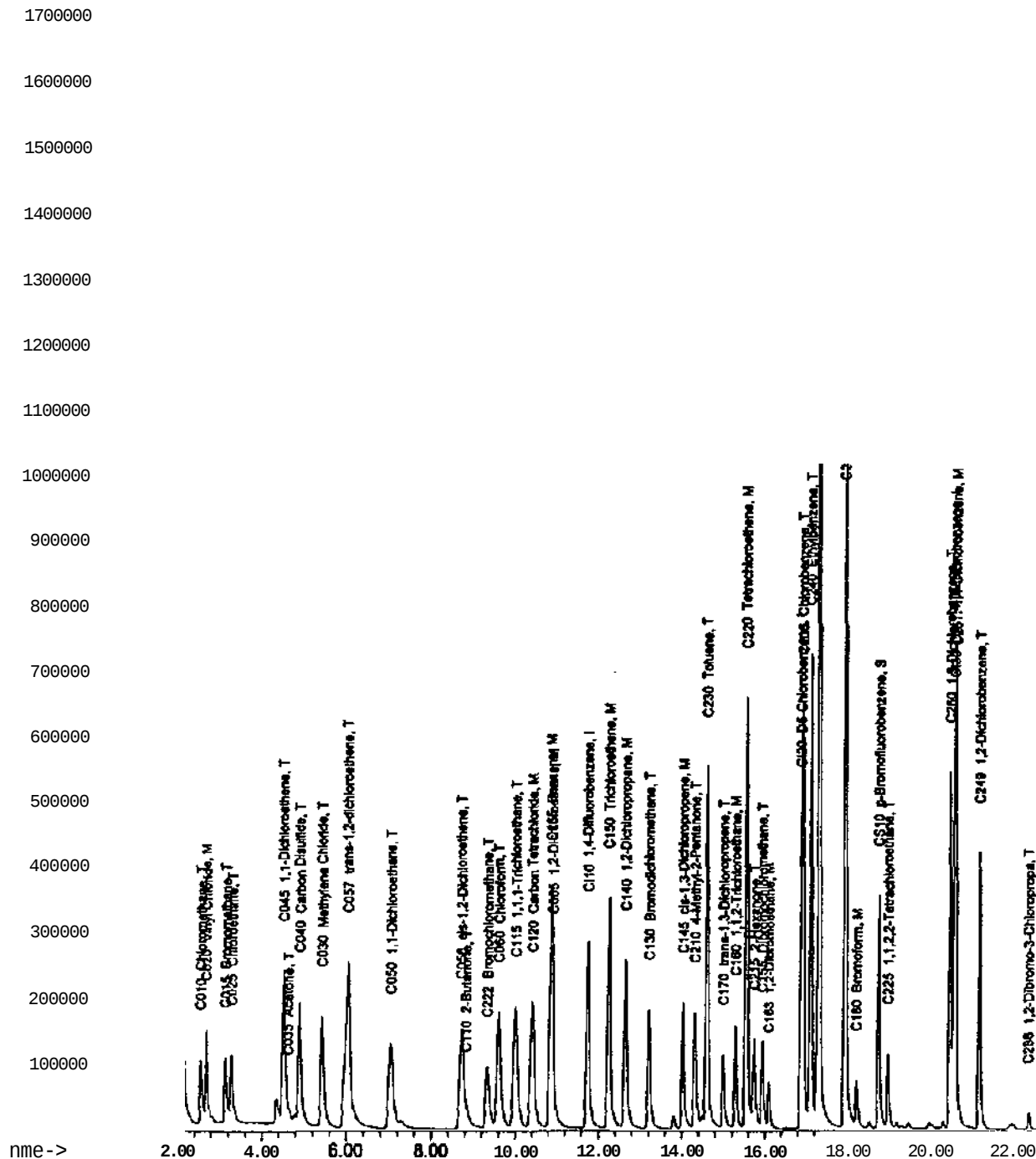
Vial: 1
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW LEVEL WATER
Last Update Tue Jul 28 16:51:56 1998
Response via Continuing Cal File: C:\ELINK\INSTR1\DATA\072898\L6348.D

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TIC: L6348.D



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Quantitation Report

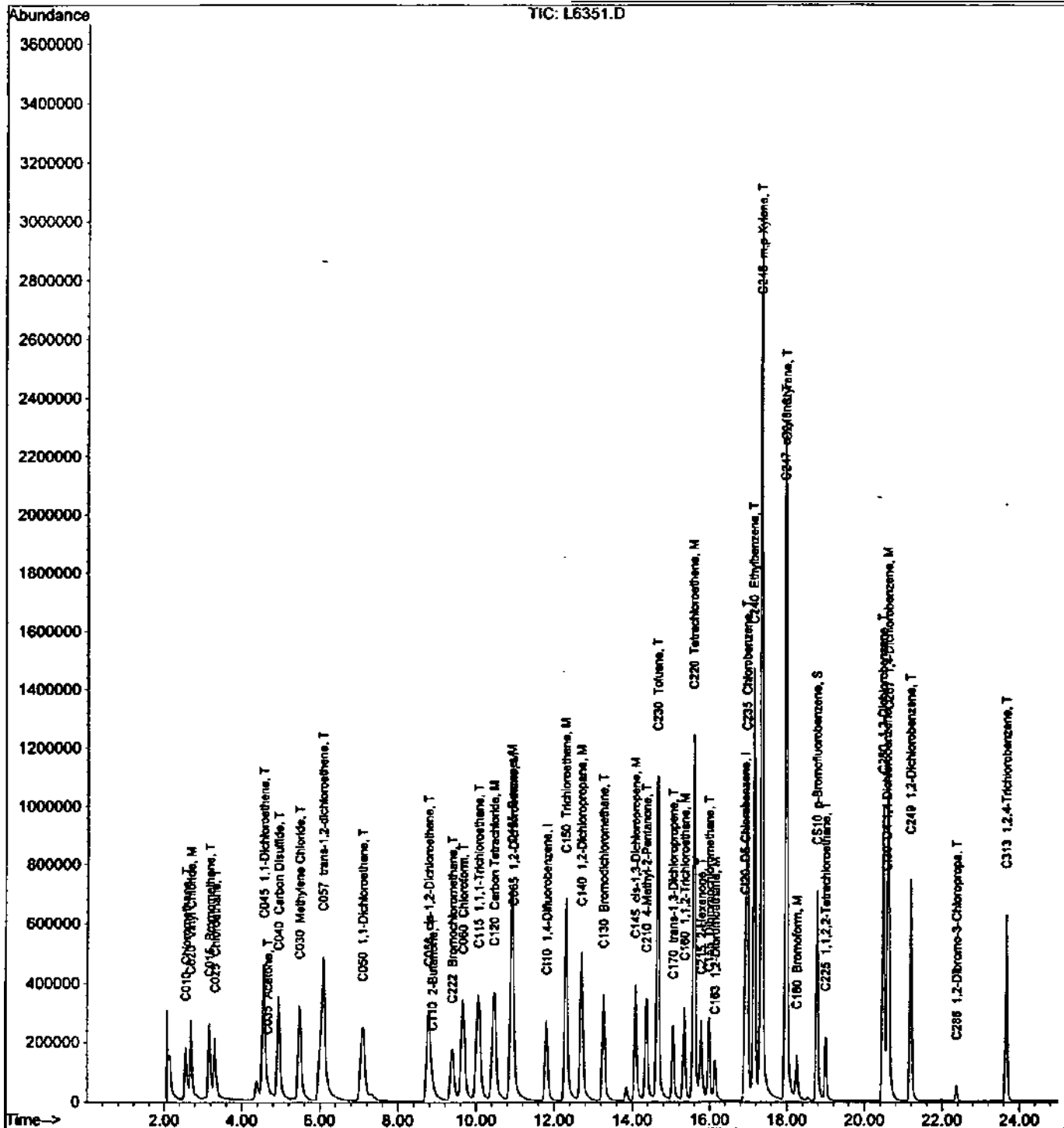
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Data File : C:\ELINK\INSTR1\DATA\072898\L6351.D
Acq On : 28 Jul 1998 17:39
Sample : VSTD010
Misc :
MS Integration Parame: RTEINT.P
Quant Time: Jul 28 18:10 1998

Vial: 4
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M {RTE Integrator}
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Jul 28 16:51:56 1998
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\072898\L6348.D



Quantitation Report

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Data File C:\ELINK\INSTR1\DATA\0728 98\L6352.D
Acq On 28 Jul 1998 18:10
Sample VSTD025
Misc
MS Integration Params: RTEINT.P
Quant Time: Jul 28 18:41 1998

Vial: 5
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title 150L CLP LOW LEVEL WATER
Last Update Tue Jul 28 16:51:56 1998
Response via Continuing Cal File: C:\ELINK\INSTR1\DATA\072898\L6348.D

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TIC: L6352.D

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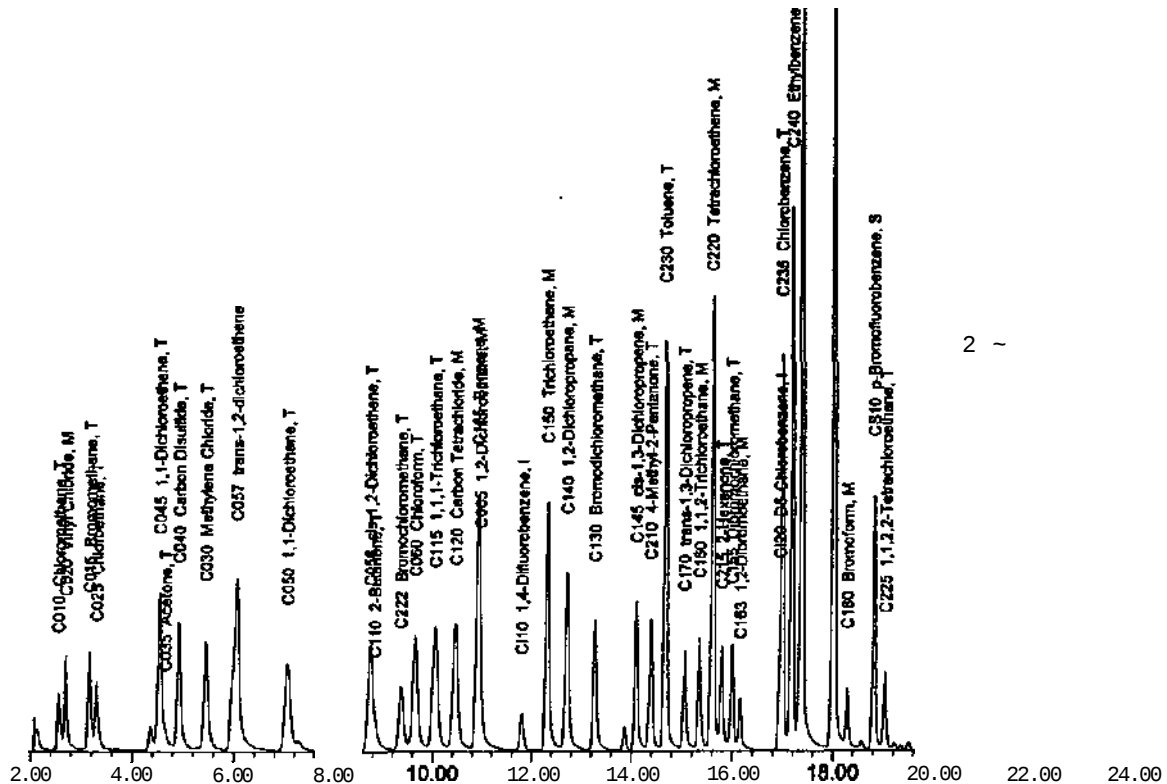
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Quantitation Report

0001G3

Data File : C:\ELINK\INSTR1\DATA\072898\L6350.D

Vial: 3

Acq On : 28 Jul 1998 17:07

Operator: CAS

Sample : VSTD001

Inst : Incos 150

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Jul 28 17:38 1998

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)

Title : I50L CLP LOW LEVEL WATER

Last Update : Tue Jul 28 16:51:56 1998

Response via : Single (C:\ELINK\INSTR1\DATA\072898\L6348.D 28 Jul 1998 1

DataAcq Meth : METHOD.M

IS QA File : C:\ELINK\INSTR1\DATA\072898\L6348.D (28 Jul 1998 16:05)

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min)
						Rcv(Ar)
1) CI10 1,4-Difluorobenzene	11.79	114	744647	125 .00	ng	0.03
						109.93%
18) CI20 D5-Chlorobenzene	16.91	117	589674	125 00	ng	0.03
						110.38%
40) CI30 D4-1,4-Dichlorobenze	20.57	152	294301	125 00	ng	0.01
						109.01%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene	18.77	174	39505	20.59	ng	0.01
Spiked Amount	125.000	Range	80 - 120	Recovery	=	16.47%#

Target Compounds

ID						Qvalue
2)	C010	Chloromethane	2.56	50	62630	25 .96 ng 96
3)	C015	Bromoraethane	3.17	94	43771	27 .60 ng 93
4)	C020	Vinyl Chloride	2.69	62	66137	23 .93 ng 96
5)	C025	Chloroethane	3.31	64	48215	23 .97 ng 99
6)	C030	Methylene Chloride	5.47	84	49232	24 .76 ng 95
7)	C035	Acetone	4.65	43	19751	142 .22 ng 82
8)	C040	Carbon Disulfide	4.93	76	147301	21 .69 ng 100
9)	C045	1,1-Dichloroethene	4.55	96	56958	23 .01 ng # 85
10)	C050	1,1-Dichloroethane	7.08	63	118817	24 .78 ng 98
11)	C057	trans-1,2-dichloroet	6.08	96	63239	23 .30 ng 97
12)	C056	cis-1,2-Dichloroethe	8.77	96	56577	23 87 ng 93
13)	C060	Chloroform	9.66	83	104576	24 60 ng 93
14)	C222	Bromochloromethane	9.37	128	13948	17 92 ng # 89
15)	C065	1,2-Dichloroethane	10.95	62	37734	23 59 ng 99
16)	C110	2-Butanone	8.86	43	27228	115 33 ng 73
19)	C115	1,1,1-Trichloroethan	10.05	97	90002	22 93 ng 95
20)	C120	Carbon Tetrachloride	10.46	117	77535	21 82 ng 96
21)	C150	Trichloroethene	12.30	95	75032	24 64 ng 91
22)	C130	Bromodichloromethane	13.25	83	60932	21 64 ng 95
23)	C140	1,2-Dichloropropane	12.70	63	61670	24 45 ng 96
24)	C145	cis-1,3-Dichloroprop	14.07	75	50284	20 92 ng 94
25)	C165	Benzene	10.90	78	205649	25 72 ng 100
26)	C155	Dibromochloromethane	15.98	129	29888	19 23 ng 95
27)	C170	trans-1,3-Dichloropr	15.04	75	23770	19 02 ng 93
28)	C160	1,1,2-Trichloroethan	15.32	97	26542	24 14 ng 92
29)	C220	Tetrachloroethene	15.58	166	96795	27 14 ng 98

(# = qualifier out of range (m) = manual integration

Quantitation Report

000104

Data File C:\ELINK\INSTR1\DATA\072898\L63 50.D
Acq On 28 Jul 1998 17:07
Sample VSTD001
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 28 17:38 1998

Vial 3
Operator CAS
Inst Incos 150
Multiplr 1.00

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title 15 0L CLP LOW LEVEL WATER
Last Update Tue Jul 28 16:51:56 1998
Response via Single (C:\ELINK\INSTR1\DATA\072898\L6348.D 28 Jul 1998 16
DataAcq Meth METHOD.M

	Compound	R.T.	Qlon	Response	Cone Unit	Qvalue
30)	C163 1,2-Dibromoethane	16.14	109	22009	22.01 ng	97
31)	C210 4-Methyl-2-Pentanone	14.36	43	81971	125.22 ng	98
32)	C215 2-Hexanone	15.77	43	55166	122.37 ng	96
33)	C230 Toluene	14.64	91	219847	25.46 ng	99
34)	C235 Chlorobenzene	16.95	112	148673	25.58 ng	98
35)	C240 Ethylbenzene	17.14	91	270501	25.28 ng	99
36)	C246 m,p-Xylene	17.34	106	207576	46.82 ng	96
37)	C247 o-Xylene	17.97	106	92190	23.90 ng	98
38)	C245 Styrene	17.99	104	127372	23.08 ng	97
39)	C225 1,1,2,2-Tetrachloroe	19.01	83	28399	23.89 ng	94
41)	C180 Bromoform	18.26	173	11048	17.63 ng	94
42)	C260 1,3-Dichlorobenzene	20.48	146	108368	25.49 ng	98
43)	C267 1,4-Dichlorobenzene	20.61	146	125672	28.19 ng	89
44)	C249 1,2-Dichlorobenzene	21.18	146	86560	26.75 ng	95
45)	C286 1,2-Dibromo-3-Chloro	22.37	75	1909	14.72 ng	69
46)	C313 1,2,4-Trichlorobenze	23.65	180	55136	25.18 ng	99

Quantitation Report

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Data File : C:\ELINK\INSTR1\DATA\072898\L6349.D
 Acq On : 28 Jul 1998 16:36
 Sample : VSTD002
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Jul 28 17:07 1998

Vial: 2
 Operator: CAS
 Inst : Incos 150
 Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
 Title : I50L CLP LOW LEVEL WATER
 Last Update : Tue Jul 28 16:49:16 1998
 Response via : Single (C:\ELINK\INSTR1\DATA\072898\L6348.D 28 Jul 1998 16
 DataAcq Meth : METHOD.M
 IS QA File : C:\ELINK\INSTR1\DATA\072898\L6348.D (28 Jul 1998 16:05)

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min)	Rcv(Ar)
1) CI10 1,4-Difluorobenzene	11.79	114	73 6536	125	00 ng	0.03	108.73%
18) CI20 D5-Chlorobenzene	16.91	117	590456	125	00 ng	0.03	112.49%
40) CI30 D4-1,4-Dichlorobenze	20.58	152	296554	125	00 ng	0.03	109.84%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene	18.79	174	86725	46.91	ng	0.03
Spiked Amount"	125.000	Range	80 - 120	Recovery	=	37.53%#

Tar<jet Compounds

						Qvalue
2	C010	Chloromethane	2.55	50	102841	43 .10 ng 95
3	C015	Bromomethane	3.15	94	74893	47 .75 ng 92
4	C020	Vinyl Chloride	2.69	62	112099	41 01 ng 95
5	C025	Chloroethane	3.30	64	83062	41 75 ng 98
6	C030	Methylene Chloride	5.44	84	86444	43 95 ng 94
7	C035	Acetone	4.65	43	32316	235 25 ng 93
8	C040	Carbon Disulfide	4.91	76	268303	39 64 ng 100
9	C045	1,1-Dichloroethene	4.54	96	100155	40 91 ng # 88
10	C050	1,1-Dichloroethane	7.06	63	206006	43 44 ng 94
11	C057	trans-1,2-dichloroet	6.06	96	111239	41 44 ng 98
12	C056	cis-1,2-Dichloroethe	8.75	96	100533	42 89 ng 92
13	C060	Chloroform	9.63	83	181684	43 21 ng 96
14	C222	Bromochloromethane	9.36	128	28513	37 03 ng # 89
15	C065	1,2-Dichloroethane	10.94	62	68808	43 50 ng 99
16	C110	2-Butanone	8.86	43	47364	202 83 ng 84
19	C115	1,1,1-Trichloroethan	10.03	97	159820	40 63 ng 94
20	C120	Carbon Tetrachloride	10.45	117	140399	39 71 ng 100
21	C150	Trichloroethene	12.30	95	130080	41 92 ng 93
22	C130	Bromodichloromethane	13.25	83	111751	38 95 ng 98
23	C140	1,2-Dichloropropane	12.68	63	107411	41 79 ng 98
24	C145	cis-1,3-Dichloroprop	14.07	75	94226	38 47 ng 99
25	C165	Benzene	10.89	78	352148	44 36 ng 100
26	C155	Dibromochloromethane	15.98	129	59234	37 39 ng 97
27	C170	trans-1,3-Dichloropr	15.04	75	46901	36 82 ng 100
28	C160	1,1,2-Trichloroethan	15.32	97	46923	41 88 ng 95
29	C220	Tetrachloroethene	15.58	166	157317	43 27 ng 99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

000106

Data File : C:\ELINK\INSTR1\DATA\072898\L6349.D
 Acq On : 28 Jul 1998 16:36
 Sample : VSTD002
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Jul 28 17:07 1998

Vial: 2
 Operator: CAS
 Inst : Incos 150
 Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
 Title : I50L CLP LOW LEVEL WATER
 Last Update : Tue Jul 28 16:49:16 1998
 Response via : Single (C:\ELINK\INSTR1\DATA\072898\L6348.D 28 Jul 1998 16
 DataAcq Meth : METHOD.M

Compound	R.T.	Qlon	Response	Cone Unit	Qvalue
30) C163 1,2-Dibromoethane	16.15	109	43807	42.98 ng	97
31) C210 4-Methyl-2-Pentanone	14.37	43	146242	219.21 ng	99
32) C215 2-Hexanone	15.77	43	101428	220.76 ng	98
33) C230 Toluene	14.64	91	372694	42.15 ng	96
34) C235 Chlorobenzene	16.96	112	257350	43.28 ng	99
35) C240 Ethylbenzene	17.16	91	468991	43.00 ng	100
36) C246 m,p-Xylene	17.35	106	370656	82.68 ng	96
37) C247 o-Xylene	17.97	106	167760	42.26 ng	98
38) C245 Styrene	17.99	104	234449	41.68 ng	98
39) C225 1,1,2,2-Tetrachloroe	19.01	83	51217	42.27 ng	95
41) C180 Bromoform	18.27	173	23203	36.74 ng	96
42) C260 1,3-Dichlorobenzene	20.48	146	199170 -	46.30 ng	100
43) C267 1,4-Dichlorobenzene	20.62	146	220855	49.17 ng	92
44) C249 1,2-Dichlorobenzene	21.19	146	155031	47.54 ng	96
45) C286 1,2-Dibromo-3-Chloro	22.38	75	4893	37.45 ng	# 72
46) C313 1,2,4-Trichlorobenze	23.68	180	105338	47.74 ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

000107

Data File C:\ELINK\INSTR1\DATA\072898\L6348.D
 Acq On 28 Jul 1998 16:05
 Sample VSTD005
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Jul 28 17:07 1998

Vial 1
 Operator CAS
 Inst Incos 150
 Multiplr 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
 Title : I50L CLP LOW LEVEL WATER
 Last Update : Tue Jul 28 16:51:56 1998
 Response via : Single (C:\ELINK\INSTR1\DATA\072898\L6348.D 28 Jul 1998 16
 DataAcq Meth : METHOD.M
 IS QA File : C:\ELINK\INSTR1\DATA\072898\L6348.D {28 Jul 1998 16:05}

r-. Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min)	RcvfAr)
1) CI10 1,4-Difluorobenzene	11.77	114	677404	125.00	ng	0.00	100.00%
18) CI20 D5-Chlorobenzene	16.89	117	534228	125.00	ng	0.00	100.00%
40) CI30 D4-1,4-Dichlorobenze	20.56	152	269985	125.00	ng	0.00	100.00%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene 18.76 174 218196 125.00 ng 0.00
 Spiked Amount 125.000 Range 80 - 120 Recovery = 100.00%

Target Compounds						Qvalue
2) C010 Chloromethane	2.55	50	274317	125.00	ng	96
3) C015 Bromomethane	3.15	94	180329	125.00	ng	96
4) C020 Vinyl Chloride	2.69	62	314252	125.00	ng	96
5) C025 Chloroethane	3.30	64	228705	125.00	ng	99
6) C030 Methylene Chloride	5.44	84	226113	125.00	ng	94
7) C035 Acetone	4.64	43	78961	625.00	ng	99
8) C040 Carbon Disulfide	4.91	76	772391	125.00	ng	100
9) C045 1,1-Dichloroethene	4.52	96	281447	125.00	ng	# 87
10) C050 1,1-Dichloroethane	7.06	63	545159	125.00	ng	96
11) C057 trans-1,2-dichloroet	6.05	96	308573	125.00	ng	95
12) C056 cis-1,2-Dichloroethe	8.73	96	269502	125.00	ng	91
13) C060 Chloroform	9.62	83	483368	125.00	ng	96
14) C222 Bromochloromethane	9.35	128	88525	125.00	ng	# 91
15) C065 1,2-Dichloroethane	10.91	62	181855	125.00	ng	99
16) C110 2-Butanone	8.84	43	134230	625.00	ng	95
19) C115 1,1,1-Trichloroethan	10.02	97	444450	125.00	ng	96
20) C120 Carbon Tetrachloride	10.42	117	402408	125.00	ng	99
21) C150 Trichloroethene	12.27	95	344841	125.00	ng	92
22) C130 Bromodichloromethane	13.23	83	318827	125.00	ng	96
23) C140 1,2-Dichloropropane	12.66	63	285597	125.00	ng	99
24) C145 cis-1,3-Dichloroprop	14.04	75	272138	125.00	ng	98
25) C165 Benzene	10.87	78	905439	125.00	ng	100
26) C155 Dibromochloromethane	15.94	129	176020	125.00	ng	96
27) C170 trans-1,3-Dichloropr	15.01	75	141531	125.00	ng	99
28) C160 1,1,2-Trichloroethan	15.30	97	124492	125.00	ng	97
29) C220 Tetrachloroethene	15.55	166	403966	125.00	ng	99

*i {#} - qualifier out of range (m) = manual integration

L6348.D LOWCLP.M

Tue Jul 28 17:07:50 1998

I50L

Page 1

Quantitation Report

000108

Data File C:\ELINK\INSTR1\DATA\072898\L6348.D
Acq On 28 Jul 1998 16:05
Sample VSTD005
Misc

Vial 1
Operator CAS
Inst Incos 150
Multiplr 1.00

MS Integration Params: RTEINT.P

Quant Time: Jul 28 17:07 1998

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW LEVEL WATER
Last Update Tue Jul 28 16:51:56 1998
Response via Single (C:\ELINK\INSTR1\DATA\072898\L6348.D 28 Jul 1998 16:
DataAcq Meth METHOD.M

	Compound	R.T.	Qlon	Response	Cone Unit	Qvalue
LJ	30) C163 1,2-Dibromoethane	16.11	109	113251	125.00 ng	100
	31) C210 4-Methyl-2-Pentanone	14.33	43	370654	625.00 ng	98
	32) C215 2-Hexanone	15.75	43	255267	625.00 ng	99
	33) C230 Toluene	14.61	91	977724	-125.00 ng	99
	34) C235 Chlorobenzene	16.92	112	658080	125.00 ng	100
	35) C240 Ethylbenzene	17.12	91	1211864	125.00 ng	98
	36) C246 m,p-Xylene	17.31	106	1004260	250.00 ng	95
	37) C247 o-Xylene	17.93	106	436842	125.00 ng	96
	38) C245 Styrene	17.96	104	625079	125.00 ng	97
	39) C225 1,1,2,2-Tetrachloroe	18.98	83	134631	125.00 ng	97
	41) C180 Bromoform	18.23	173	71872	125.00 ng	96
	42) C260 1,3-Dichlorobenzene	20.46	146	487517	125.00 ng	97
	43) C267 1,4-Dichlorobenzene	20.60	146	511173	125.00 ng	94
	44) C249 1,2-Dichlorobenzene	21.17	146	371119	125.00 ng	96
	45) C286 1,2-Dibromo-3-Chloro	22.34	75	14867	125.00 ng	88
	46) C313 1,2,4-Trichlorobenze	23.64	180	251099	125.00 ng	98

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Quantitation Report

000109

Data File : C:\ELINK\INSTR1\DATA\072898\L6351.D

Acq On : 28 Jul 1998 17:39

Sample : VSTD010

Misc :

MS Integration Params: RTEINT.P

Quant Time: Jul 28 18:10 1998

Vial: 4

Operator: CAS

Inst : Incos 150

Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)

Title : I50L CLP LOW LEVEL WATER

Last Update : Tue Jul 28 16:51:56 1998

Response via : Single (C:\ELINK\INSTR1\DATA\072898\L6348.D 28 Jul 1998 16

DataAcq Meth : METHOD.M

IS QA File : C:\ELINK\INSTR1\DATA\072898\L6348.D (28 Jul 1998 16:05)

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min)	Rev(Ar)
1) CI10 1,4-Difluorobenzene	11.80	114	649817	125.00	ng	0.04	95.93%
18) CI20 D5-Chlorobenzene	16.91	117	521744	125.00	ng	0.03	97.66%
40) CI30 D4-1,4-Dichlorobenze	20.57	152	269627	125.00	ng	0.01	99.87%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene 18.77 174 430529 257.11 ng 0.01
 Spiked Amount 125.000 Range 80 120 Recovery = 205.69%#

Target Compounds

							Qvalue
2)	C010	Chloromethane	2 56	50	533990	253 66 ng	98
3)	C015	Bromomethane	3 17	94	448558	324 13 ng	94
4)	C020	Vinyl Chloride	2 69	62	606140	251 34 ng	94
5)	C025	Chloroethane	3 31	64	450858	256 88 ng	99
6)	C030	Methylene Chloride	5 47	84	439504	253 28 ng	97
7)	C035	Acetone	4 65	43	149350	1232 34 ng	96
8)	C040	Carbon Disulfide	4 93	76	1470871	248 14 ng	100
9)	C045	1,1-Dichloroethene	4 55	96	537358	248 79 ng	92
10)	C050	1,1-Dichloroethane	7 08	63	1062056	253 86 ng	97
11)	C057	trans-1,2-dichloroet	6 08	96	592097	250 04 ng	95
12)	C056	cis-1,2-Dichloroethe	8 78	96	534264	258 32 ng	92
13)	C060	Chloroform	9 66	83	925461	249 49 ng	96
14)	C222	Bromochloromethane	9 39	128	164541	242 20 ng	# 91
15)	C065	1,2-Dichloroethane	10 95	62	365582	261 95 ng	98
16)	C110	2-Butanone	8 88	43	244749	1187 98 ng	100
19)	C115	1,1,1-Trichloroethan	10 06	97	851685	245 26 ng	94
20)	C120	Carbon Tetrachloride	10 46	117	767640	244 16 ng	97
21)	C150	Trichloroethene	12 30	95	671878	249 37 ng	93
22)	C130	Bromodichloromethane	13 25	83	629847	252 85 ng	95
23)	C140	1,2-Dichloropropane	12 70	63	555564	248 98 ng	99
24)	C145	cis-1,3-Dichloroprop	14 07	75	557132	262 03 ng	99
25)	C165	Benzene	10 91	78	1773398	250 68 ng	100
26)	C155	Dibromochloromethane	15 98	129	348242	253 22 ng	98
27)	C170	trans-1,3-Dichloropr	15 04	75	310125	280 46 ng	100
28)	C160	1,1,2-Trichloroethan	15 33	97	246862	253 80 ng	100
29)	C220	Tetrachloroethene	15 58	166	755739	239 45 ng	97

(#)=qualifier out of range (m)=manual integration

Quantitation Report

0G0110

Data File : C:\ELINK\INSTR1\DATA\072898\L6351.D

Vial: 4

Acq On : 28 Jul 1998 17:39

Operator: CAS

Sample : VSTD010

Inst : Incos 150

Misc

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Jul 28 18:10 1998

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)

Title : I50L CLP LOW LEVEL WATER

Last Update : Tue Jul 28 16:51:56 1998

Response via : Single (C:\ELINK\INSTR1\DATA\072898\L6348.D 28 Jul 1998 16

DataAcq Meth : METHOD.M

	Compound	R.T.	Qlon	Response	Cone Unit	Qvalue
30)	C163 1,2-Dibromoethane	16.14	109	214095	241.96 ng	96
31)	C210 4-Methyl-2-Pentanone	14.36	43	696784	1203.04 ng	98
32)	C215 2-Hexanone	15.77	43	480427	1204.43 ng	97
33)	C230 Toluene	14.65	91	1939125	253.85 ng	99
34)	C235 Chlorobenzene	16.96	112	1293976	251.67 ng	99
35)	C240 Ethylbenzene	17.14	91	2442048	257.92 ng	100
36)	C246 m,p-Xylene	17.34	106	2008001	511.83 ng	96
37)	C247 o-Xylene	17.96	106	893638	261.83 ng	96
38)	C245 Styrene	17.99	104	1288068	263.74 ng	97
39)	C225 1,1,2,2-Tetrachloroe	18.99	83	269642	256.34 ng	99
41)	C180 Bromoform	18.26	173	147098	256.17 ng	98
42)	C260 1,3-Dichlorobenzene	20.47	146	883369	226.80 ng	98
43)	C267 1,4-Dichlorobenzene	20.61	146	935319	229.02 ng	96
44)	C249 1,2-Dichlorobenzene	21.18	146	678590	228.87 ng	98
45)	C286 1,2-Dibromo-3-Chloro	22.37	75	29254	246.29 ng	86
46)	C313 1,2,4-Trichlorobenze	23.66	180	419314	209.02 ng	97

Quantitation Report

000111

Data File : C:\ELINK\INSTR1\DATA\072898\L6352.D
 Acq On : 28 Jul 1998 18:10
 Sample : VSTD025
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Jul 28 18:41 1998

Vial: 5
 Operator: CAS
 Inst : Incos 150
 Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M <RTE Integrator>
 Title : I50L CLP LOW LEVEL WATER
 Last Update : Tue Jul 28 16:51:56 1998
 Response via : Single (C:\ELINK\INSTR1\DATA\072898\L6348.D 28 Jul 1998 1
 DataAcq Meth : METHOD.M
 IS QA File : C:\ELINK\INSTR1\DATA\072898\L6348.D (28 Jul 1998 16:05)

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min)
						Rcv(Ar)
1) CI10 1,4-Difluorobenzene	11.80	114	675374	125.00	ng	0.04
18) CI20 D5-Chlorobenzene	16.94	117	571986	125.00	ng	0.05
40) CI30 D4-1,4-Dichlorobenze	20.61	152	286453	125.00	ng	0.05

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene 18.80 174 1147816 659.54 ng 0.04
 Spiked Amount 125.000 Range 80 - 120 Recovery = 527.63%#

Target Compounds

						Qvalue
2) C010	Chloromethane	2.55	50	1340773	612.80 ng	95
3) C015	Bromomethane	3.15	94	1285359	893.66 ng	95
4) C020	Vinyl Chloride	2.69	62	1559439	622.16 ng	96
5) C025	Chloroethane	3.30	64	1160411	636.14 ng	98
6) C030	Methylene Chloride	5.44	84	1117933	619.87 ng	99
7) C035	Acetone	4.65	43	379556	3013.33 ng	94
8) C040	Carbon Disulfide	4.91	76	3946890	640.67 ng	100
9) C045	1,1-Dichloroethene	4.54	96	1414151	629.96 ng	91
10) C050	1,1-Dichloroethane	7.06	63	2766711	636.29 ng	98
11) C057	trans-1,2-dichloroet	6.05	96	1571966	638.70 ng	96
12) C056	cis-1,2-Dichloroethe	8.75	96	1407612	654.84 ng	93
13) C060	Chloroform	9.64	83	2413743	626.08 ng	95
14) C222	Bromochloromethane	9.36	128	456560	646.61 ng	# 88
15) C065	1,2-Dichloroethane	10.95	62	955686	658.88 ng	99
16) C110	2-Butanone	8.84	43	677389	3163.53 ng	100
19) C115	1,1,1-Trichloroethan	10.05	97	2253653	591.99 ng	95
20) C120	Carbon Tetrachloride	10.46	117	2030987	589.24 ng	97
21) C150	Trichloroethene	12.31	95	1808047	612.13 ng	91
22) C130	Bromodichloromethane	13.27	83	1718251	629.19 ng	96
23) C140	1,2-Dichloropropane	12.71	63	1491893	609.87 ng	99
24) C145	cis-1,3-Dichloroprop	14.09	75	1598367	685.71 ng	100
25) C165	Benzene	10.90	78	4744570	611.77 ng	100
26) C155	Dibromochloromethane	15.99	129	983175	652.11 ng	99
27) C170	trans-1,3-Dichloropr	15.05	75	924174	762.35 ng	100
28) C160	1,1,2-Trichloroethan	15.35	97	652518	611.93 ng	98
29) C220	Tetrachloroethene	15.59	166	1995194	576.62 ng	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

000112

Data File : C:\ELINK\INSTR1\DATA\072898\L6352.D

Acq On : 28 Jul 1998 18:10

Sample : VSTD025

Misc :

MS Integration Params: RTEINT.P

Quant Time: Jul 28 18:41 1998

Vial: 5

Operator: CAS

Inst : Incos 150

Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)

Title : I50L CLP LOW LEVEL WATER

Last Update : Tue Jul 28 16:51:56 1998

Response via : Single (C:\ELINK\INSTR1\DATA\072898\L6348.D 28 Jul 1998 16

DataAcq Meth : METHOD.M

	Compound	R.T.	Qlon	Response	Cone	Unit	Qvalue
30)	C163 1,2-Dibromoethane	16.16	109	616000	635.02	ng	96
31)	C210 4-Methyl-2-Pentanone	14.38	43	1986131	3127.95	ng	96
32)	C215 2-Hexanone	15.80	43	1364391	3120.08	ng	97
33)	C230 Toluene	14.66	91	5282077	630.72	ng	98
34)	C235 Chlorobenzene	16.98	112	3470735	615.74	ng	99
35)	C240 Ethylbenzene	17.17	91	6615448	637.32	ng	99
36)	C246 m,p-Xylene	17.36	106	5599794	1301.99	ng	97
37)	C247 o-Xylene	17.99	106	2484088	663.89	ng	97
38)	C245 Styrene	18.01	104	3664286	684.39	ng	98
39)	C225 1,1,2,2-Tetrachloroe	19.03	83	723258	627.19	ng	99
41)	C180 Bromoform	18.28	173	445158	729.71	ng	98
42)	C260 1,3-Dichlorobenzene	20.51	146	2535631	612.76	ng	96
43)	C267 1,4-Dichlorobenzene	20.65	146	2586108	596.04	ng	93
44)	C249 1,2-Dichlorobenzene	21.22	146	1894320	601.36	ng	96
45)	C286 1,2-Dibromo-3-Chloro	22.41	75	94243	746.83	ng	88
46)	C313 1,2,4-Trichlorobenze	23.69	180	1255126	588.90	ng	99

(#) = qualifier out of range (m) = manual integration

[illegible]

LOW CONCENTRATION VOLATILES, 10/92
CONTINUING CALIBRATION CHECK

000114

Lab Name: STL Buffalo Contract: NY99-051 _ Lab Samp ID: A9C0000013-1

Lab Code: RECNY Case No.: _____ SAS No. : _____ SDG No: PW117

^Lab File Id: L2209.RR Calibration Date: 12/31/98 Time: 12:51

Intrument ID: I50L Init. Calib. Date (s) : 07/28/98 07/28/98

Heated Purge (Y/N): N Init. Calib. Times: 16:05 18:10

GC Column: DB-624 ID: 0.53(mm)

COMPOUND	AVG RRF	RRF5	MIN RRF	% D	MAX % D
1,2-Dibromo-3-chloropropane	0.0500	0.0672	0.0100	-34.400	100.00
1,2,4-Trichlorobenzene	0.8820	0.7451	0.0100	15.500	100.00
p-Bromofluorobenzene	0.3110	0.3431	0.2000	-10.300	30.00

000115

```

Data File      C:\ELINK\INSTR1\DATA\123198\L2209.D
Acq On        31 Dec 1998  12:51
Sample        VSTD005
Misc
MS Integration Params: RTEINT.P
Quant Time:   Dec 31 13:22 1998

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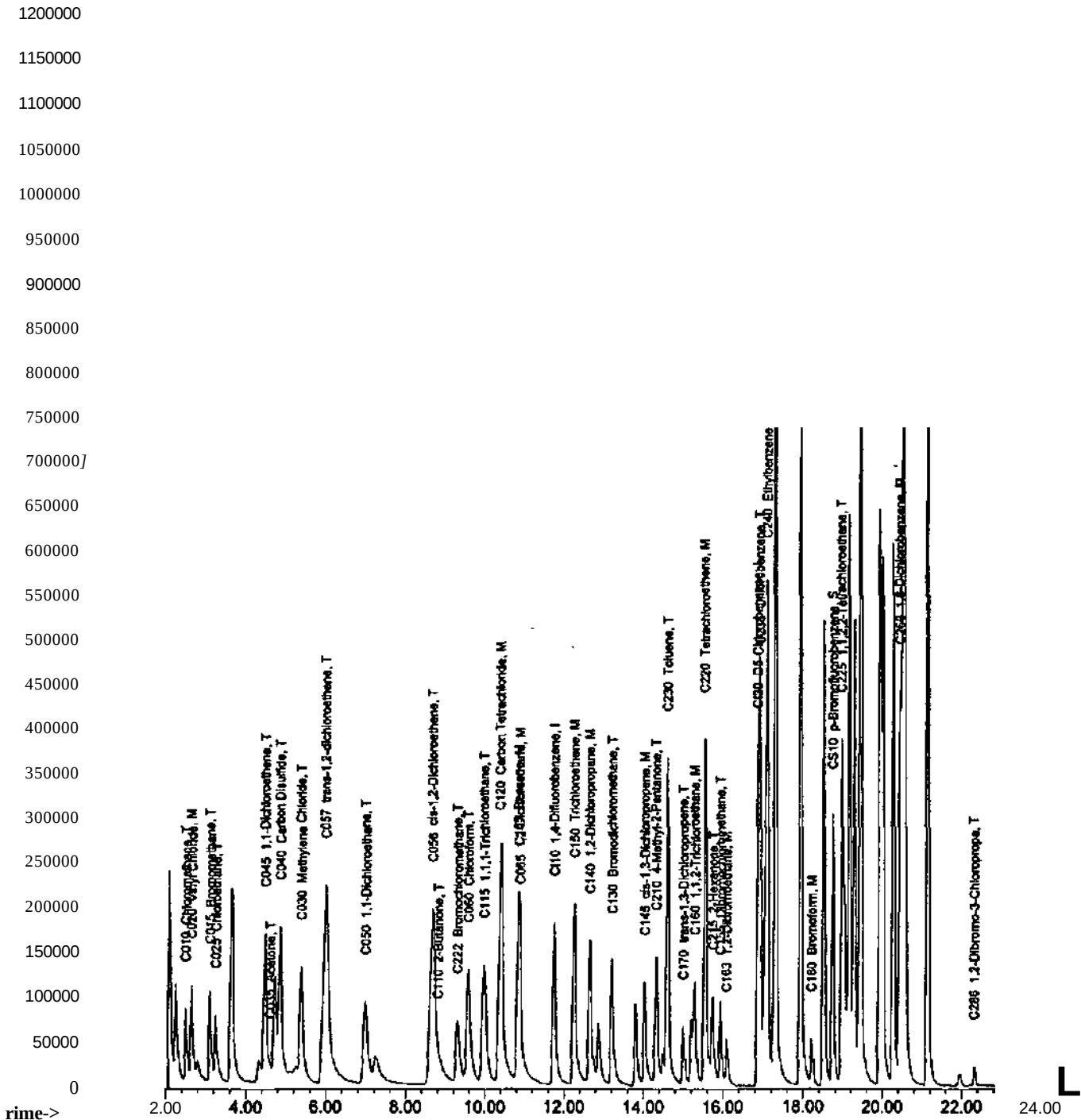
Vial: 1
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

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Method      C:\ELINK\INSTR1\QUANT\LOWCLP.M  (RTE Integrator)
Title       15 0L CLP LOW LEVEL WATER
Last Update Thu Nov 12 11:47:18 1998
Response via Continuing Cal File: C:\ELINK\INSTR1\DATA\121298\L1689.D
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\bundance

TIC: L2209.D



Quantitation Report

000116

Data File : C:\ELINK\INSTR1\DATA\123198\L2209.D
 Acq On : 31 Dec 1998 12:51
 Sample : VSTD005
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Dec 31 13:22 1998

Vial: 1
 Operator: CAS
 Inst : Incos 150
 Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
 Title 15 OL CLP LOW LEVEL WATER
 Last Update Thu Nov 12 11:47:18 1998
 Response via Single (C:\ELINK\INSTR1\DATA\121298\L1689.D 12 Dec 1998 12
 DataAcq Meth METHOD.M
 IS QA File C:\ELINK\INSTR1\DATA\121298\L1689.D (12 Dec 1998 12:20)

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min) Rcv(Ar)
1) CI10 1,4-Difluorobenzene	11.76	114	49133 9	125.00	ng	0.03 66.37%
18) CI20 D5-Chlorobenzene	16.88	117	430346	125.00	ng	0.03 74.38%
40) CI30 D4-1,4-Dichlorobenze	20.54	152	219200	125.00	ng	0.07 64.48%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene 18.76 174 168596 115.66 ng 0.06
 Spiked Amount- 125.000 Range 80 - 120 Recovery = 92.53%

Tar<jet Compounds

						Qvalue
2	C010	Chloromethane	2 51	50	210043	185 60 ng 97
3	C015	Bromomethane	3 12	94	165624	226 12 ng 95
4)	C020	Vinyl Chloride	2 65	62	260282	189 .23 ng 94
5	C025	Chloroethane	3 26	64	192970	192 06 ng 100
6	C030	Methylene Chloride	5 39	84	191207	152 52 ng # 85
7	C035	Acetone	4 62	43	65556	998 55 ng 99
8	C040	Carbon Disulfide	4 86	76	747793	211 15 ng 100
9	C045	1,1-Dichloroethene	4 49	96	200447	155 78 ng 95
10	C050	1,1-Dichloroethane	7 00-	63	419209	167 78 ng 96
11	C057	trans-1,2-dichloroet	6 00	96	213048	138 29 ng 98
12	C056	cis-1,2-Dichloroethe	8 68	96	199620	137 78 ng 95
13)	C060	Chloroform	9 59	83	406580	134 16 ng 92
14)	C222	Bromochloromethane	9 32	128	71734	115 89 ng 96
15)	C065	1,2-Dichloroethane	10 90	62	161447	131 49 ng 100
16	C110	2-Butanone	8 83	43	83375	760 32 ng 99
19	C115	1,1,1-Trichloroethan	9 99	97	345628	121 97 ng 95
20)	C120	Carbon Tetrachloride	10 39	117	299514	107 95 ng 98
21	C150	Trichloroethene	12 27	95	227870	116 41 ng 89
22	C130	Bromodichloromethane	13 23	83	286846	130 03 ng 95
23	C140	1,2-Dichloropropane	12 66	63	201144	148 78 ng 97
24	C145	cis-1,3-Dichloroprop	14 04	75	209877	170 24 ng 100
25	C165	Benzene	10 86	78	587207	133 87 ng 100
26	C155	Dibromochloromethane	15 95	129	138114	122 48 ng 98
27	C170	trans-1,3-Dichloropr	15 01	75	111958	179 68 ng 97
28	C160	1,1,2-Trichloroethan	15 30	97	93107	117 26 ng 96
29	C220	Tetrachloroethene	15 55	166	231374	91 20 ng # 91

(#) » qualifier out of range (m) = manual integration

Quantitation Report

000117

Data File C:\ELINK\INSTR1\DATA\123198\L2209.D
 Acq On 31 Dec 1998 12:51
 Sample VSTD005
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Dec 31 13:22 1998

Vial 1
 Operator CAS
 Inst Incos 150
 Multiplr 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
 Title : I50L CLP LOW LEVEL WATER
 Last Update : Thu Nov 12 11:47:18 1998
 Response via : Single (C:\ELINK\INSTR1\DATA\121298\L1689.D 12 Dec 1998 12
 DataAcq Meth : METHOD.M

Compound			R.T.	Qlon	Response	Cone Unit	Qvalue
30)	C163	1,2-Dibromoethane	16.10	109	93932	109.60 ng	96
31)	C210	4-Methyl-2-Pentanone	14.33	43	297027	940.89 ng	93
32)	C215	2-Hexanone	15.75	43	190842	963.20 ng	89
33)	C230	Toluene	14.61	91	699190	134.32 ng	98
34)	C235	Chlorobenzene	16.93	112	469264	124.80 ng	100
35)	C240	Ethylbenzene	17.12	91	901308	135.96 ng	96
36)	C246	^m /P-Xylene	17.31	106	707994	250.58 ng	95
37)	C247	o-Xylene	17.94	106	324769	126.73 ng	95
38)	C245	Styrene	17.95	104	449077	122.91 ng	94
39)	C225	1,1,2,2-Tetrachloroe	18.98	83	104409	126.77 ng	98
41)	C180	Bromoform	18.23	173	54254	131.95 ng	94
42)	C260	1,3-Dichlorobenzene	20.45	146	360988	109.99 ng	92
43)	C267	1,4-Dichlorobenzene	20.45	146	360988	109.99 ng	90
44)	C249	1,2-Dichlorobenzene	21.15	146	302726	119.97 ng	92
45)	C286	1,2-Dibromo-3-Chloro	22.33	75	14734	161.82 ng	# 75
46)	C313	1,2,4-Trichlorobenze	23.61	180	163333	95.53 ng	94

(#) = qualifier out of range (m) = manual integration

00011S

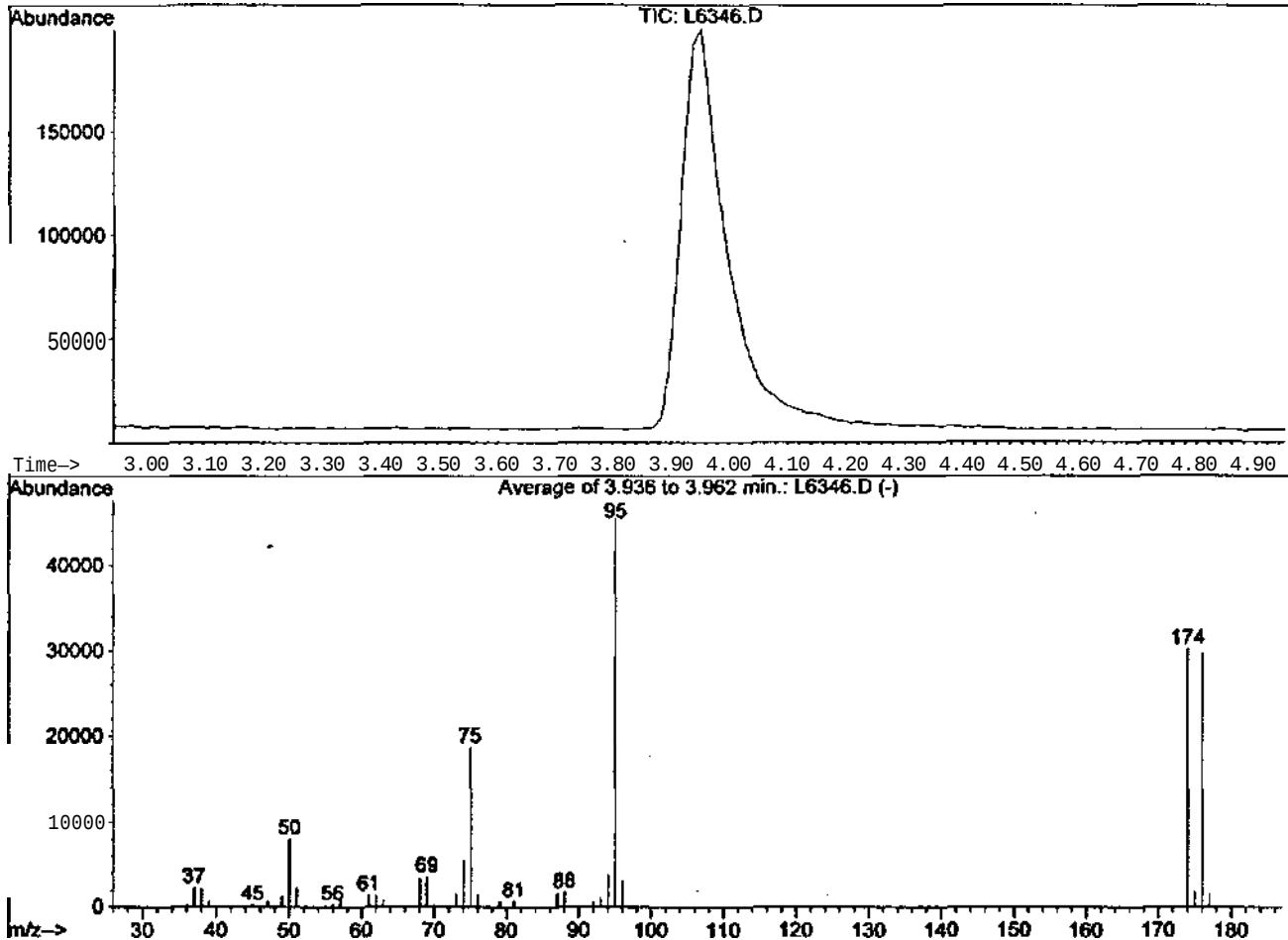
RAW QC OATA

CLP BFB RESULTS Tune Evaluation

000119

Data File C:\ELINK\INSTR1\DATA\072898\L6346.D
Acq On 28 Jul 1998 14:52
Sample 0728BFBL1
Misc
MS Integration Params: RTEINT.P
Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M {RTE Integrator}
Title : I50L CLP LOW LEVEL WATER

Vial: 5
Operator: CAS
Inst : Incos 150
Multiplr: 1.00



Peak Apex is scan: 188 (3.95 min)

Average of 3 scans: 187,188,189 minus background scan 168 (3.69 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	17.7	8035	PASS
75	95	30	60	41.2	18691	PASS
95	95	100	100	100.0	45408	PASS
96	95	5	9	6.9	3143	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	66.3	30128	PASS
175	174	5	9	6.3	1886	PASS
176	174	95	101	98.4	29656	PASS
177	176	5	9	5.4	1604	PASS

ij], raverage of 3 936 to : .962min. L6346.D

000120

L/28BFBL1

Modified:subtracted

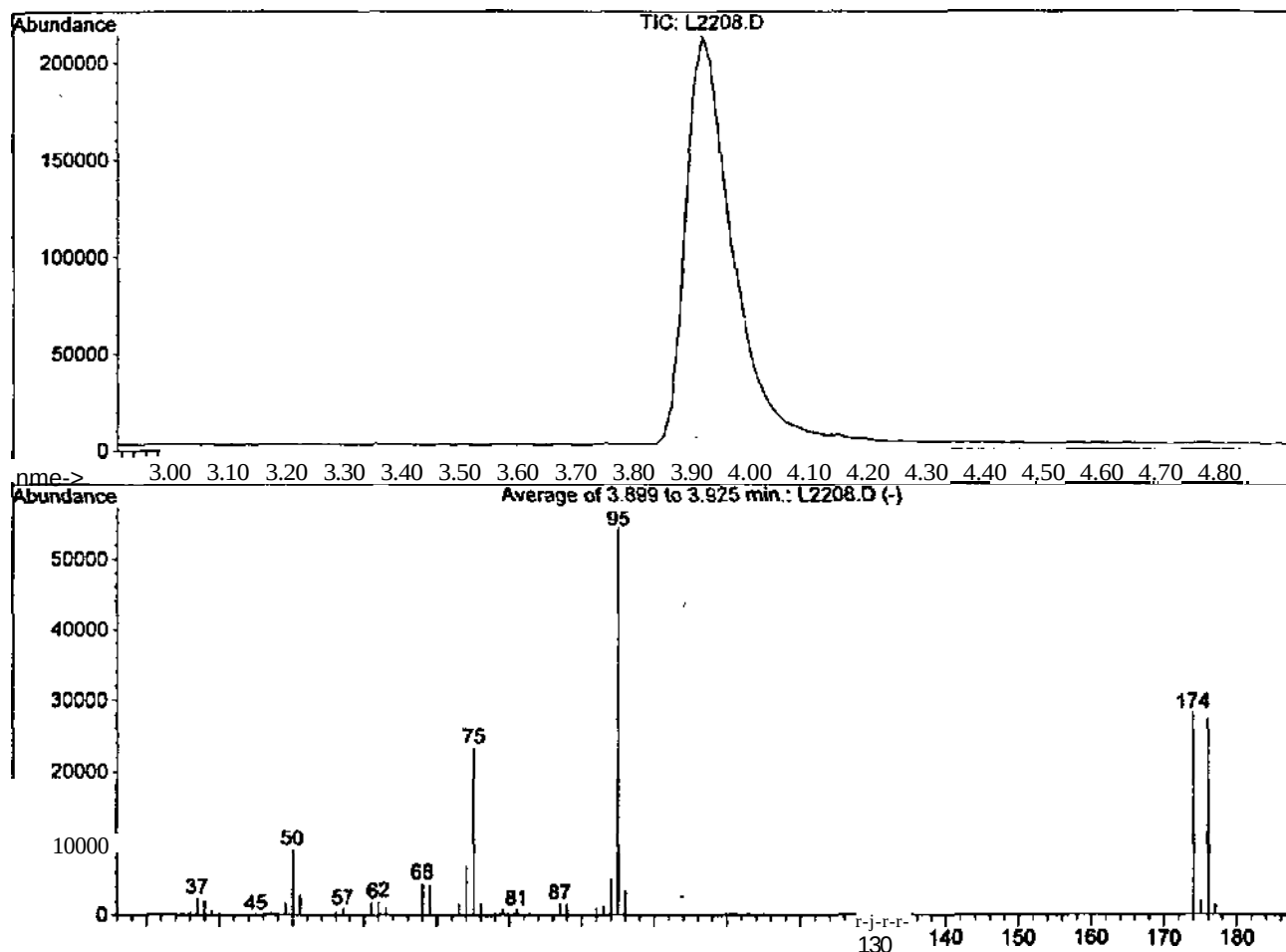
m/z		abund.	m/z		abund.	m/z		abund.
• -	36.00	264	61.00	1480	87.00	1733		
	37.00	2307	62.00	1388	88.00	1776		
—,	38.00	2215	63.00	856	92.00	563		
	39.00	686	68.00	3412	93.00	1139		
^ •	45.00	309	69.00	3565	94.00	3891		
	47.00	599	73.00	1610	95.00	45408		
'''	49.00	1335	74.00	5559	96.00	3143		
\ ;	50.00	8035	75.00	18691	174.00	30128		
	51.00	2424	76.00	1453	175.00	1886		
	56.00	340	79.00	608	176.00	29656		
	57.00	958	81.00	731	177.00	1604		

BFB Tune Evaluation

000121

Data File C:\ELINK\INSTR1\DATA\123198\L2208.D
Acq On : 31 Dec 1998 12:38 00⁶ P
Sample 1231BFBL1
Misc •r
MS Integration Params: RTEINT.P
Method : C:\ELINK\INSTR1\QUANT\L8260B.M (RTE Integrator
Title : 8260 25ML WATER -

Vial: 1
Operator: CAS
Inst : Incos 150
Multiplr: 1.00



Peak Apex is scan: 185 (3.91 min)

Average of 3 scans: 184,185,186 minus background scan 165 (3.65 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	9172	PASS
75	95	30	60	42.8	23341	PASS
95	95	100	100	100.0	54517	PASS
96	95	5	9	6.2	3362	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	51.5	28064	PASS
175	174	5	9	7.0	1959	PASS
176	174	95	101	97.2	27269	PASS
177	176	5	9	5.7	1557	PASS

Average of 3.899 to 3.925 rain.: L2208.D

\ 231BFBL1

Modified:subtracted

00012;

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	399	62.00	1956	88.00	1638		
37.00	2443	63.00	1162	92.00	965		
38.00	2130	68.00	4426	93.00	1491		
39.00	631	69.00	4224	94.00	5105		
47.00	476	73.00	1709	95.00	54517		
49.00	1839	74.00	6919	96.00	3362		
50.00	9172	75.00	23341	174.00	28064		
51.00	2881	76.00	1758	175.00	1959		
56.00	433	79.00	757	176.00	27269		
57.00	982	81.00	844	177.00	1557		
61.00	1816	87.00	1686				

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000123

Client No

VBK78

Lab Name: Recra LabNet

Contract: NY99-051

"Lab Code : RECNY Case No. : SAS No.: _____ SDG NO.: PW117

Matrix: (soil/water) WATER Lab Sample ID: A8617507

, Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L2210.RR

Level: (low/med) LOW Date Samp/Recv:

k Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/31/98

3C Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: :UD Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
74-83-9	Bromomethane		1	U
75-01-4	Vinyl chloride		1	U
75-00-3	Chloroethane		1	U
75-09-2	Methylene chloride		0.3	J
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		1	U
75-35-4	1,1-Dichloroethene		1	U
75-34-3	1,1-Dichloroethane		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
78-93-3	2-Butanone		5	U
74-97-5	Bromochloromethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
75-27-4	Bromodichloromethane		1	U
78-87-5	1,2-Dichloropropane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
79-01-6	Trichloroethene		1	U
124-48-1	Dibromochloromethane		1	U
79-00-5	1,1/2-Trichloroethane		1	U
71-43-2	Benzene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
75-25-2	Bromoform		1	U
108-10-1	4-Methyl-2-pentanone		5	U
591-78-6	2-Hexanone		5	U
127-18-4	Tetrachloroethene		1	U
79-34-5	1/1,2,2-Tetrachloroethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-88-3	Toluene		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000124

Client No

VBK78

¹ Lab Name: Recra LabNet

Contract: NY99-051

fcjab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: PW117

Matrix: (soil/water) WATER Lab Sample ID: A8617507

| Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L2210.RR

..Level: (low/med) LOW Date Samp/Recv: _____

• S> Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/31/98

T3C Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

¹ Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ :UL:

* CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
100-42-5	Styrene		1	U
1330-20-7	Total Xylenes		1	U
541-73-1	1,3 -Dichlorobenzene		1	U
106-46-7	1, 4-Dichlorobenzene		1	U
95-50-1	1, 2-Dichlorobenzene		1	U
96-12-8	1,2 -Dibromo-3 -chloropropane		1	U
120-82-1	1,2,4-Trichlorobenzene		1	U

r i

• i i

EPA 3/95 CLP - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000125 Client No.

VBK78

- Lab Name: Recra LabNet

Contract: NY99-051

PLab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617507

\ Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2210.RR

Level: (low/med) LOW

Date Samp/Recv: _____

: % Moisture: not dec. _____

Date Analyzed: 12/31/98

3C Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ :UD

• Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Cone.	Q

n

H

Quantitation Report

000126

Data File C:\ELINK\INSTR1\DATA\123198\L2210.D
Acq On 31 Dec 1998 13:39
Sample vblk78
Misc
MS Integration Params: RTEINT.P
Quant Time: Dec 31 14:07 1998

Vial: 1
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW LEVEL WATER
Last Update Thu Nov 12 11:47:18 1998
Response via Continuing Cal File: C:\ELINK\INSTR1\DATA\123198\L2209.D

M) L

TIC: L2210.D

360000
340000
320000
300000
280000
260000
240000
220000
200000
180000
160000
140000
120000
100000
80000
60000
40000
20000

1

V^_JV WAA/U_([-*iA-VA_

0-L-r : . - i
nme-> 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00

Quantitation Report

000127

Data File C:\ELINK\INSTR1\DATA\123198\L2210.D
 Acq On 31 Dec 1998 13:39
 Sample vblk78
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Dec 31 14:07 1998

Vial: 1
 Operator: CAS
 Inst : Incos 150
 Multiplr: 1.00

Quant Results File: LOWCLP.R]

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator) C^{ft}
 Title I50L CLP LOW LEVEL WATER j W_kM'
 Last Update Thu Nov 12 11:47:18 1998
 Response via Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec' 1998 12:
 DataAcq Meth METHOD.M
 IS QA File C:\ELINK\INSTR1\DATA\123198\L2209.D (31 Dec 1998 12:51!

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min)
						Rcv{Ar)
1) CI10 1,4-Difluorobenzene	11.75	114	475018	125 00	ng	-0.01
						96.68%
18) CI20 D5-Chlorobenzene	16,89	117	445191	125 00	ng	0.01
						103.45%
40) CI30 D4-1,4-Dichlorobenze	20.54	152	202377	125 00	ng	0.00
						92.33%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene 18.76 174 160943 123.43 ng 0.00
 Spiked Amount 125.000 Range 80 - 120 Recovery = 98.74%

Target Compounds

Qvalue

2) C010 Chloromethane	0 00	50		N.D.		
3) C015 Bromomethane	0 00	94		N.D.		
4) C020 Vinyl Chloride	0 00	62		N.D.		
,51>C025 Chloroethane	0 00	64		N.D.		
[6b'C030 Methylene Chloride	5 39	84	12654	8.56	ng	# 74
C035 Acetone	0 00	43		N.D.		
8) C040 Carbon Disulfide	0 00	76		N.D.		
9) C045 1,1-Dichloroethene	0 00	96		N.D.		
10) C050 1,1-Dichloroethane	0 00	63		N.D.		
11) C057 trans-1,2-dichloroet	0 00	96		N.D.		
12) C056 cis-1,2-Dichloroethe	0 00	96		N.D.		
13) C060 Chloroform	0 00	83		N.D.		
14) C222 Bromochloromethane	0 00	128		N.D.		
15) C065 1,2-Dichloroethane	0 00	62		N.D.		
16) C110 2-Butanone	0 00	43		N.D.		
19) C115 1,1,1-Trichloroethan	0 00	97		N.D.		
20) C120 Carbon Tetrachloride	0 00	117		N.D.		
21) C150 Trichloroethene	0 00	95		N.D.		
22) C130 Bromodichloromethane	0 00	83		N.D.		
23) C140 1,2-Dichloropropane	0 00	63		N.D.		
24) C145 cis-1,3-Dichloroprop	0 00	75		N.D.		
25) C165 Benzene	0 00	78		N.D.		
26) C155 Dibromochloromethane	0 00	129		N.D.		
27) C170 trans-1,3-Dichloropr	0 00	75		N.D.		
28) C160 1,1,2-Trichloroethan	0 00	97		N.D.		
29) C220 Tetrachloroethene	0 00	166		N.D.		

(#) = qualifier out of range (m) = manual integration

L2210.D LOWCLP.M Thu Dec 31 14:08:03 1998 I50L

Page 1

Quantitation Report

000128

Data File C:\ELINK\INSTR1\DATA\123198\L2210.D
Acq On 31 Dec 1998 13:39
Sample vblk78
Misc :

Vial 1
Operator CAS
Inst Incos 150
Multiplr 1.00

MS Integration Params: RTEINT.P
Quant Time: Dec 31 14:07 1998

Quant Results File: LOWCLP.RES

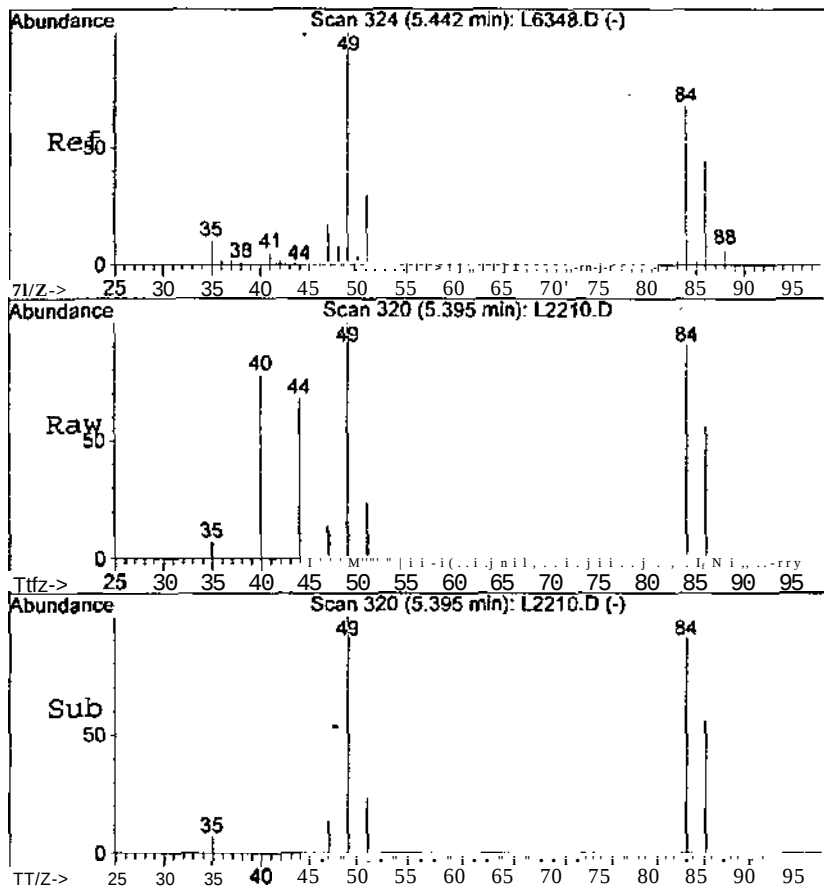
Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW LEVEL WATER
Last Update Thu Nov 12 11:47:18 1998
Response via Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12
DataAcq Meth METHOD.M

	Compound	R.T.	Qlon	Response	Cone Unit	Qvalue
30)	C163 1,2-Dibromoethane	0.00	109		N.D.	
31)	C210 4-Methyl-2-Pentanone	0.00	43		N.D.	
32)	C215 2-Hexanone	0.00	43		N.D.	
33)	C230 Toluene	0.00	91		N.D.	
34)	C235 Chlorobenzene	0.00	112		N.D.	
35)	C240 Ethylbenzene	0.00	91		N.D.	
36)	C246 m,p-Xylene	0.00	106		N.D.	
37)	C247 o-Xylene	0.00	106		N.D.	
38)	C245 Styrene	0.00	104		N.D.	
39)	C225 1,1,2,2-Tetrachloroe	0.00	83		N.D.	
41)	C180 Bromoform	0.00	173		N.D.	
42)	C260 1,3-Dichlorobenzene	0.00	146		N.D.	
43)	C267 1,4-Dichlorobenzene	0.00	146		N.D.	
44)	C249 1,2-Dichlorobenzene	0.00	146		N.D.	
45)	C286 1,2-Dibromo-3-Chloro	0.00	75		N.D.	
46)	C313 1,2,4-Trichlorobenze	0.00	180		N.D.	

(#) = qualifier out of range (m) = manual integration

L2210.D LOWCLP.M Thu Dec 31 14:08:04 1998 I50L

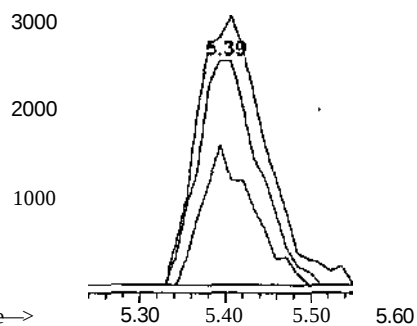
Page 2



C030 Methylett^yifi'brf.de
 Concern 8.56 ng
 RT: 5.39 min Scan# 320
 Delta R.T. 0.00 min
 Lab File: L2210.D
 Acq: 31 Dec 1998 13:39

Tgt Ion: 84 Resp: 12654
 Ion Ratio Lower Upper
 84 100
 49 110.5 135.8 175.8#
 86 62.2 47.3 87.3

Abundance Ion 84.00 (83.70 to 84.70): L2210.D
 4000 J Ion 49.00 (48.70 to 49.70): L2210.D
 Ion 86.00 (85.70 to 86.70): L2210.D



LSC Peak Summary Report

000130

Data File C:\ELINK\INSTR1\DATA\L22198\L2210.D

Acq On 31 Dec 1998 13:39

Sample : 11178

Misc

MS Integration Params: RTEINT.P

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)

Title : 150L CLP LOW LEVEL WATER

Library : C:\DATABASE\NBS75K.L

Threshold : 40 percent of closest IS

Vial: 1

Operator: CAS

Inst : Incos 150

Max # of LSC : 10

Peak	RT	Area	IS Reference	IS Area	LSC
1	14.51	52181	CI20 D5-Chlorobenzene	1331220	.92
2	14.63	17582	CI20 D5-Chlorobenzene	1331220	.32
3	17.32	27626	CI20 D5-Chlorobenzene	1331220	.08
4	19.17	19021	CI30 D4-1,4-Dichlorobenzene	1275370	1.49
5	19.46	15563	CI30 D4-1,4-Dichlorobenzene	1275370	1.22
6	19.95	16904	CI30 D4-1,4-Dichlorobenzene	1275370	1.33
7	20.28	16950	CI30 D4-1,4-Dichlorobenzene	1275370	1.33
8	21.14	14467	CI30 D4-1,4-Dichlorobenzene	1275370	1.13
9	21.95	48670	CI30 D4-1,4-Dichlorobenzene	1275370	3.82
10	24.70	18157	CI30 D4-1,4-Dichlorobenzene	1275370	1.42

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IS	Name	RT	Area	RT Window
1	Clio 1,4-Difluorobenzene	11.75	983645	0.00 - 14.32
2	CI20 D5-Chlorobenzene	16.89	1331220	14.33 - 18.72
3	CI30 D4-1,4-Dichlorobenzene	20.54	1275370	18.73 - 25.02

000131

Client No

Volatile Holding Blk

Contract: NY99-051

SDG No. : PW117

Lab Sample ID: A8617505

Lab File ID: L2218.RR

Date Samp/Recv: 12/22/98 12/22/98

```
; ? Moisture: not dec.      Heated Purge: N   Date Analyzed:   12/31/98
```

Dilution Factor: 1.00

Soil Aliquot Volume: <uL)

i	CAS NO.	COMPOUND
---	---------	----------

1	U
1	U
1	U
1	U
2	U
5	U
1	U
1	U
1	U
1	U
1	U
1	U
1	U
5	U
1	U
1	U
1	U
1	U
1	U
1	U
1	U
1	U
1	U
1	U
1	U
5	U
5	U
1	U
1	U
1	U
1	U
1	U

FORM I - GC/MS VOA

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000132

Client No

Volatile Holding Blk

Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617505

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2218.RR

Level: (low/med) LOW

Date Samp/Recv: 12/22/98 12/22/91

Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 12/31/98

Column: DB-624 _____ ID: 0.53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ uL

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		
100-42-5	Styrene	1	U U U U U U
1330-20-7	Total Xylenes	1	
541-73-1	1, 3-Dichlorobenzene	1	
106-46-7	1, 4-Dichlorobenzene	1	
95-50-1	1, 2-Dichlorobenzene	1	
96-12-8	1, 2-Dibromo-3-chloropropane	1	
120-82-1	1, 2, 4-Trichlorobenzene	1	

EPA 3/95 CLP - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000133

Client No.

Volatile Holding Blk

Lab Name: Recra LabNet

Contract: NY99-051

Bab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: PW117

Matrix: (soil/water) WATER Lab Sample ID: A8617505

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L2218.RR

ftvel: (low/med) LOW Date Samp/Recv: 12/22/98 12/22/98

Moisture: not dec. _____ Date Analyzed: 12/31/98

K Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

oil Extract Volume: _____ CuL Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO	Compound Name	RT	Est. Cone.	Q
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Quantitation Report

000134

Data File C:\ELINK\INSTR1\DATA\L23198\L2218.D
Acq On 31 Dec 1998 18:25
Sample A8617505
Misc
MS Integration Params: RTEINT.P
Quant Time: Dec 31 18:55 1998

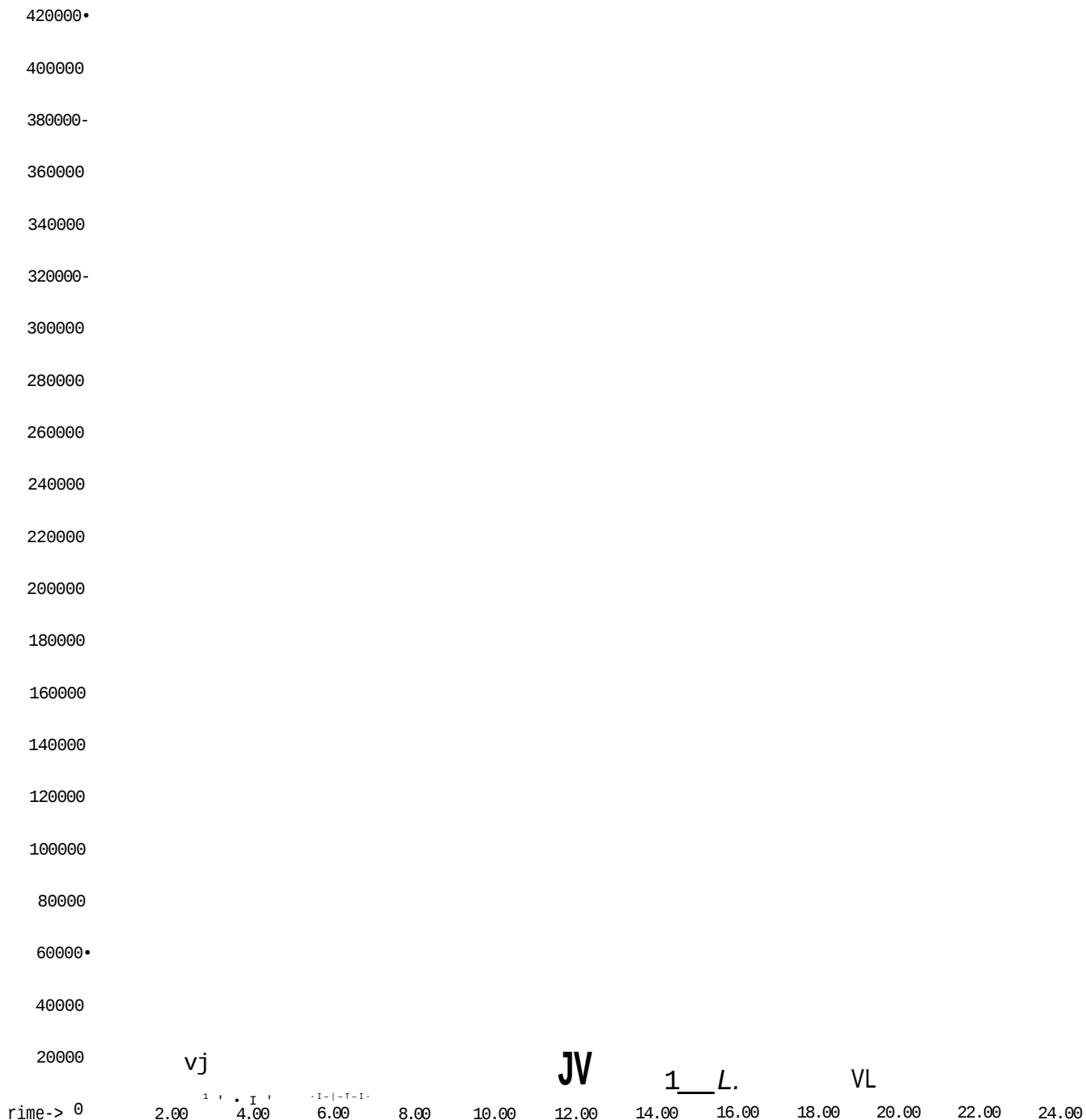
Vial: 5
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title 150L CLP LOW LEVEL WATER
Last Update Thu Nov 12 11:47:18 1998
Response via Continuing Cal File: C:\ELINK\INSTR1\DATA\L23198\L2209.D

Abundance

TIC: L2218.D



L2218.D

LOWCLP.M

Thu Dec 31 18:56:02 1998

I50L

Page 3

Quantitation Report

000135

Data File : C:\ELINK\INSTR1\DATA\123198\L2218.D
 Acq On : 31 Dec 1998 18:25
 Sample : A8617505
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Dec 31 18:55 1998

Vial: 5
 Operator: CAS
 Inst : Incos 150
 Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M {RTE Integrator}C/\^ (/ ,hd
 Title I50L CLP LOW ' LEVEL WATER w2 >/H/^
 Last Update Thu Nov 12 11:47:18 1998 M>>nt/17
 Response via Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12
 DataAcq Meth METHOD.M
 IS QA File C:\ELINK\INSTR1\DATA\123198\L2209.D (31 Dec 1998 12:51)

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min; Rcv(Ar ;
1) CI10 1,4-Difluorobenzene	11.74	114	510689	125	00 ng	-0.03 103.94%
18) CI20 D5-Chlorobenzene	16.88	117	464440	125	00 ng	0.00 107.92%
40) CI30 D4-1,4-Dichlorobenze	20.54	152	232009	125	00 ng	0.00 105.84%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene	18.76	174	173994	124.11	ng	0.00
Spiked Amount	125.000	Range	80 - 120	Recovery	=	99.29%

Target Compounds

Qvalue

2) C010 Chloromethane	0 00	50	N.D
3) C015 Bromomethane	0 00	94	N.D
4) C020 Vinyl Chloride	0 00	62	N.D
5) C025 Chloroethane	0 00	64	N.D
6) C030 Methylene Chloride	0 00	84	N.D
7) C035 Acetone	0 00	43	N.D
8) C040 Carbon Disulfide	0 00	76	N.D
9) C045 1,1-Dichloroethene	0 00	96	N.D
10) C050 1,1-Dichloroethane	0 00	63	N.D
11) C057 trans-1,2-dichloroet	0 00	96	N.D
12) C056 cis-1,2-Dichloroethe	0 00	96	N.D
13) C060 Chloroform	0 00	83	N.D.
14) C222 Bromochloromethane	0 00	128	N.D
15) C065 1,2-Dichloroethane	0 00	62	N.D
16) C110 2-Butanone	0 00	43	N.D
19) C115 1,1,1-Trichloroethan	0 00	97	N.D.
20) C120 Carbon Tetrachloride	0 00	117	N.D
21) C150 Trichloroethene	0 00	95	N.D
22) C130 Bromodichloromethane	0 00	83	N.D
23) C140 1,2-Dichloropropane	0 00	63	N.D.
24) C145 cis-1,3-Dichloroprop	0 00	75	N.D
25) C165 Benzene	0 00	78	N.D
26) C155 Dibromochloromethane	0 00	129	N.D
27) C170 trans-1,3-Dichloropr	0 00	75	N.D.
28) C160 1,1,2-Trichloroethan	0 00	97	N.D
29) C220 Tetrachloroethene	0 00	166	N.D

(#) = qualifier out of range (m) = manual integration

L2218.D LOWCLP.M Thu Dec 31 18:55:58 1998 I50L

Page 1

n

Quantitation Report

000136

Data File C:\-ELINK\INSTR1\DATA\123198\L2218.D
 Acq On 31 Dec 1998 18:25
 Sample A861750S
 Misc
 MS Integration Params: RTEINT.P
 Quant Time: Dec 31 18:55 1998

Vial: 5
 Operator: CAS
 Inst : Incos 150
 Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
 Title : I50L CLP LOW ' LEVEL WATER
 Last Update : Thu Nov 12 11:47:18 1998
 Response via : Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998
 DataAcq Meth : METHOD.M

	Compound	R.T.	Qlon	Response	Cone Unit	Qvalue
30)	C163 1,2-Dibromoethane	0.00	109		N.D.	
31)	C210 4-Methyl-2-Pentanone	0.00	43		N.D.	
32)	C215 2-Hexanone	0.00	43		N.D.	
33)	C230 Toluene	0.00	91		N.D.	
34)	C235 Chlorobenzene	0.00	112		N.D.	
35)	C240 Ethylbenzene	0.00	91		N.D.	
36)	C246 m,p-Xylene	0.00	106		N.D.	
37)	C247 o-Xylene	0.00	106		N.D.	
38)	C245 Styrene	0.00	104		N.D.	
39)	C225 1,1,2,2-Tetrachloroe	0.00	83		N.D.	
41)	C180 Bromoform	0.00	173		N.D.	
42)	C260 1,3-Dichlorobenzene	0.00	146		N.D.	
43)	C267 1,4-Dichlorobenzene	0.00	146		N.D.	
44)	C249 1,2-Dichlorobenzene	0.00	146		N.D.	
45)	C286 1,2-Dibromo-3-Chloro	0.00	75		N.D.	
46)	C313 1,2,4-Trichlorobenze	0.00	180		N.D.	

LSC Peak Summary Report

000137

Data File : C:\ELINK\INSTRI\DATA\123198\L2218.D

Acq On : 31 Dec 1998 18:25

Sample : A8617505

Misc :

Vial: 5

Operator: CAS

Inst : Incos 150

Multiplr: 1.00

MS Integration Params: RTEINT.P

Method : C:\ELINK\INSTRI\QUANT\LOWCLP.M (RTE Integrator)

Title : I50L CLP LOW LEVEL WATER

Library : C:\DATABASE\NBS75K.L

Threshold : 40 percent of closest IS

Max # of LSC : 10

Peak	I	RT	Area	IS Reference	IS Area	LSC
1	2	88	388762	CI10 1,4-Difluorobenzene	1101860	35.28
2	8	86	167790	CI10 1,4-Difluorobenzene	1101860	15.23
3	14	48	37835	CI20 D5-Chlorobenzene	1366410	2.77
4	15	54	18078	CI20 D5-Chlorobenzene	1366410	1.32
5	19	14	38349	CI30 D4-1,4-Dichlorobenzene	1445460	2.65

LESS THAN
40% OF
INT
STD
A*

IS	Name	RT	Area	RT Window
1	CI10 1,4-Difluorobenzene	11.74	1101860	0.00 - 14.31
2	CI20 D5-Chlorobenzene	16.88	1366410	14.32 - 18.71
3	CI30 D4-1,4-Dichlorobenzene	20.54	1445460	18.72 - 25.02

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000138

Client No

LCS

Lab Name: Recra LabNet

Contract: NY9.9-051

Lab Code: RECNY

Case No.:

SAS No.:

SDG No.: PW117

Matrix: {soil/water) WATER

Lab Sample ID: A8617506

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2211.RR

Level: (low/med) LOW

Date Samp/Recv: _____

Moisture: not dec.

Heated Purge: N

Date Analyzed: 12/31/98

IC Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

i.

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	4	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	6	
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	6	
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	6	
10061-01-5	cis-1,3-Dichloropropene	5	
79-01-6	Trichloroethene	6	
124-48-1	Dibromochloromethane	1	U
79-00-5	1/1,2-Trichloroethane	5	
71-43-2	Benzene	6	
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	5	
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	6	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	5	
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000139

Client No.

LCS

ab Name: Recra LabNet

Contract: NY99-051

kb Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: PW117

trix: (soil/water) WATER

Lab Sample ID: A8617506

ample wt/vol: 25.00 Cg/mL) ML

Lab File ID: L2211.RR

vel: (low/med) LOW

Date Samp/Recv: _____

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/31/98

Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.00

il Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ :UD

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

AS NO. COMPOUND

00-42-5 _____ Styrene _____
330-20-7 _____ Total Xylenes _____
41-73-1 _____ 1,3-Dichlorobenzene _____
06-46-7 _____ 1,4-Dichlorobenzene _____
5-50-1 _____ 1,2-Dichlorobenzene _____
6-12-8 _____ 1,2-Dibromo-3-chloropropane^ _____
20-82-1 _____ 1,2,4-Trichlorobenzene _____

1	U
1	U
1	U
6	
1	U
1	U
1	U

Quantitation Report

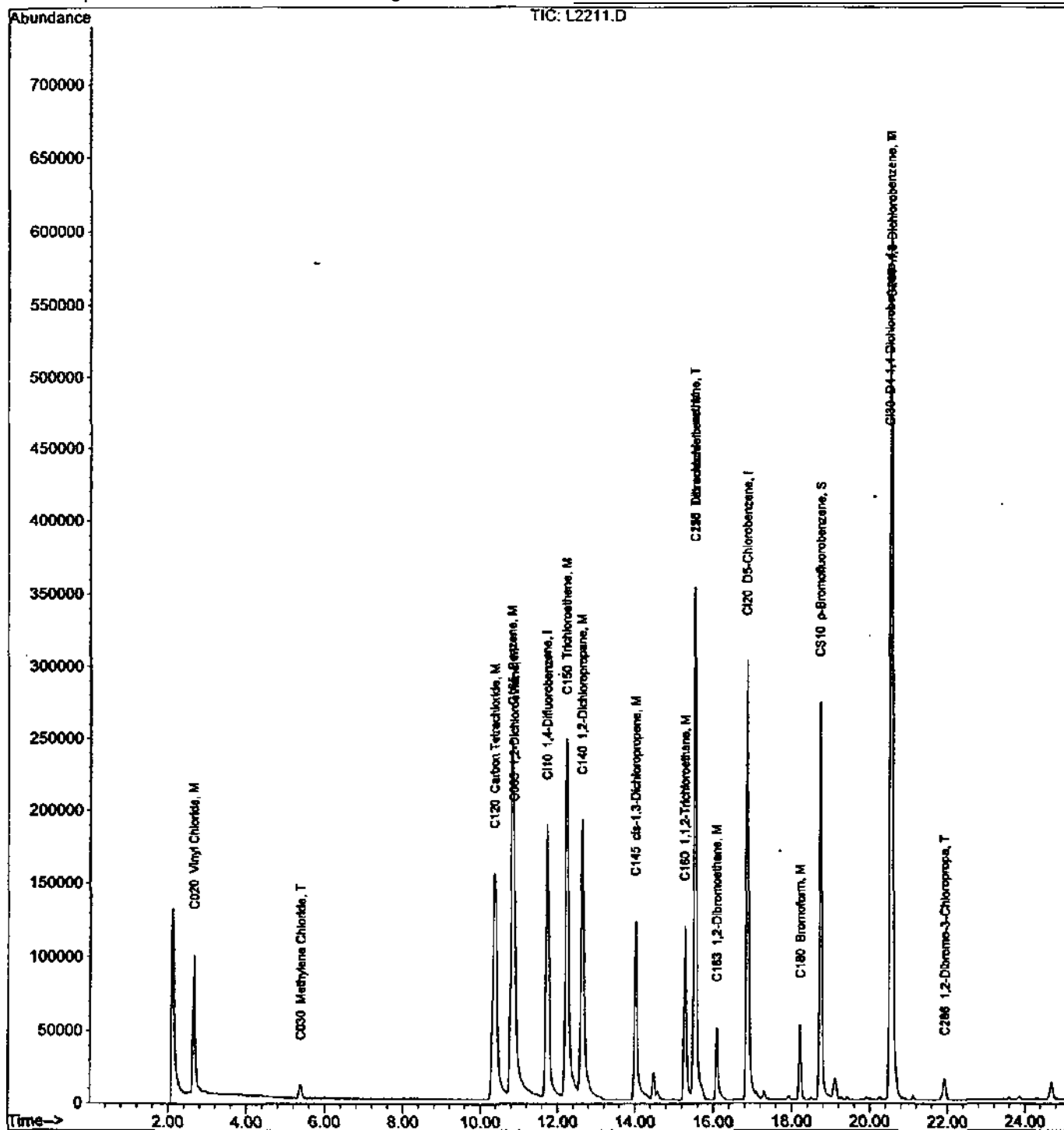
000140

Data File C:\ELINK\INSTR1\DATA\123198\L2211.D
Acq On 31 Dec 1998 14:27
Sample LCS
Misc
MS Integration Params: RTEINT.P
Quant Time: Dec 31 14:58 1998

Vial: 1
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW LEVEL WATER
Last Update Thu Nov 12 11:47:18 1998
Response via Continuing Cal File: C:\ELINK\INSTR1\DATA\123198\L2209.D



Quantitation Report

000141

Data File : C:\ELINK\INSTR1\DATA\123198\L2211.D

Acq On : 31 Dec 1998 14:27

Sample : LCS

Misc :

MS Integration Params: RTEINT.P

Quant Time: Dec 31 14:58 1998

Vial: 1

Operator: CAS

Inst : Incos 150

Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)/5

Title I50L CLP LOW LEVEL WATER

Last Update Thu Nov 12 11:47:18 1998

Response via Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12:

DataAcq Meth METHOD.M

IS QA File C:\ELINK\INSTR1\DATA\123198\L2209.D (31 Dec 1998 12:51)

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min)
						Rcv(Ar)
1) CI10 1,4-Difluorobenzene	11.73	114	496485	125 00	ng	-0.04 101.05%
18) CI20 D5-Chlorobenzene	16.87	117	428547	125 00	ng	-0.01 99.58%
40) CI30 D4-1,4-Dichlorobenze	20.52	152	214141	125 00	ng	-0.03 97,69%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene	18.73	174	159420	116.97	ng	-0.03
Spiked Amount 125.000	Range 80 - 120		Recovery	=	93.58%	

Target Compounds

						Qvalue
2) C010 Chloromethane	0.00	50			N.D.	
3) C015 Bromomethane	0.00	94			N.D.	
^) C020 Vinyl Chloride	2.65	62	230907	109.74	ng	95
5) C025 Chloroethane	0.00	64			N.D.	
xi-effT0-Methylene Chloride	5.38	84	13388	8.66	ng	# 87
7) C035 Acetone	0.00	43			N.D.	
8) C040 Carbon Disulfide	0.00	76			N.D.	
9) C045 1,1-Dichloroethene	0.00	96			N.D.	
10) C050 1,1-Dichloroethane	0.00	63			N.D.	
11) C057 trans-1,2-dichloroet	0.00	96			N.D.	
12) C056 cis-1,2-Dichloroethe	0.00	96			N.D.	
13) C060 Chloroform	0.00	83			N.D.	
14) C222 Bromochloromethane	0.00	128			N.D.	
<f }} C065 1,2-Dichloroethane	10.87	62	184541	141.40	ng	100
16) C110 2-Butanone	0.00	43			N.D.	
C115 1,1,1-Trichloroethan	0.00	97			N.D.	
C120 Carbon Tetrachloride	10.37	117	363080	152.16	ng	98
) C150 Trichloroethene	12.23	95	279487	153.96	ng	93
) C130 Bromodichloromethane	0.00	83			N.D.	
C140 1,2-Dichloropropane	12.63	63	235557	147.00	ng	99
C145 cis-1,3-Dichloroprop	14.02	75	223984	133.96	ng	98
C165 Benzene	10.82	78	685179	146.47	ng	100
-)G155- Dibromochlorome thane	15.53	129	206395	187.58	ng	11
;) C170 trans-1,3-Dichloropr	0.00	75			N.D.	
C160 1,1,2-Trichloroethan	15.27	97	100295	135.22	ng	100
vj) C220 Tetrachloroethene	15.53	166	266762	144.72	ng	94

{#) = qualifier out of range (m) = manual integration

L2211.D LOWCLP.M

Thu Dec 31 14:58:15 1998

I50L

11

Page 1

Quantitation Report

000142

Data File C:\ELINK\INSTR1\DATA\123198\L2211.D
 Acq On 31 Dec 1998 14:27
 Sample LCS
 Misc

Vial: 1
 Operator: CAS
 Inst : incos 150
 Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Dec 31 14:58 1998

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
 Title 15 OL CLP LOW LEVEL WATER
 Last Update Thu Nov 12 11:47:18 1998
 Response via Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12
 DataAcq Meth METHOD.M

	Compound	R.T.	Qlon	Response	Cone Unit	Qvalue
	C163 1,2-Dibromoethane	16.09	109	98184	131.21 ng	98
•i:	C210 4-Methyl-2-Pentanone	0.00	43		N.D.	
32)	C215 2-Hexanone	0.00	43		N.D.	
33)	C230 Toluene	0.00	91		N.D.	
34}	C235 Chlorobenzene	0.00	112		N.D.	
35)	C240 Ethylbenzene	0.00	91		N.D.	
36)	C246 m,p-Xylene	0.00	106		N.D.	
37)	C247 o-Xylene	0.00	106		N.D.	
38)	C245 Styrene	0.00	104		N.D.	
39)	C225 1,1,2,2-Tetrachloroe	0.00	83		N.D.	
<f®	C180 Bromoform	18.21	173	56516	133.29 ng	96
	-CFF0-1^_3-Dichlorobenzene	20.56	146	435544	154.38 ng	91
	C267 1,4-Dichlorobenzene	20.56	146	435544	154.38 ng	89
	C249 1,2-Dichlorobenzene	0.00	146		N.D.	
*-&)-S3F6-	3rr3-Dibromo-3-Chloro	21.94	75	924	8.02 ng	#
46)	C313 1,2,4-Trichlorobenze	0.00	180		N.D.	

(#) = qualifier out of range (m) = manual integration

L2211.D LOWCLP.M

Thu Dec 31 14:58:17 1998

I50L

O*

Page 2

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000143

Client No

PW1-23 MS

* Lab Name: Recra LabNet

Contract: NY99-051

Lab Code: RECNY Case No.:

SAS No.:

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617504MS

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2222.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/91

V Moisture: not dec. Heated Purge: N Date Analyzed: 12/31/98

3C Column: DB-624 ID 0.53 (mm)

Dilution Factor: 2.00

Soil Extract Volume: (uL)

Soil Aliquot Volume: (UL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	2	U	
74-83-9	Bromomethane	2	U	
75-01-4	Vinyl chloride	10		
75-00-3	Chloroethane	2	U	
75-09-2	Methylene chloride	4	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	2	U	
75-35-4	1,1-Dichloroethene	2		
75-34-3	1,1-Dichloroethane	4		
156-59-2	cis-1,2-Dichloroethene	2		
156-60-5	trans-1,2-Dichloroethene	2	U	
67-66-3	Chloroform	2	U	
107-06-2	1,2-Dichloroethane	12		
78-93-3	2-Butanone	10	U	
74-97-5	Bromochloromethane	2	U	
71-55-6	1,1,1-Trichloroethane	100	E	
56-23-5	Carbon Tetrachloride	12		
75-27-4	Bromodichloromethane	2	U	
78-87-5	1,2-Dichloropropane	12		
10061-01-5	cis-1,3-Dichloropropene	10		
79-01-6	Trichloroethene	15		
124-48-1	Dibromochloromethane	2	U	
79-00-5	1,1,2-Trichloroethane	12		
71-43-2	Benzene	13		
10061-02-6	trans-1,3-Dichloropropene	2	U	
75-25-2	Bromoform	10		
108-10-1	4-Methyl-2-pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	12	U	
79-34-5	1,1,2,2-Tetrachloroethane	2	U	
106-93-4	1,2-Dibromoethane	11		
108-88-3	Toluene	0.4	J	
108-90-7	Chlorobenzene	2	U	
100-41-4	Ethylbenzene	2	U	

L :
U

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000144

Client No.

PW1-23 MS

Lab Name: Recra LabNet

Contract: NY99-051

[Lab Code: RECNY Case No.:

SAS No. : _____

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617504MS

j Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2222.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/9

i- '% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 12/31/98

f'GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 2.00

"Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

) :

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	Q
100-42-5	Styrene		2	U
1330-20-7	Total Xylenes		2	U
541-73-1	1,3 -Dichlorobenzene		2	U
106-46-7	1,4 -Dichlorobenzene		13	U
95-50-1	1,2-Dichlorobenzene		2	U
96-12-8	1,2-Dibromo-3-chloropropane		2	U
120-82-1	1,2,4-Trichlorobenzene		2	U

Quantitation Report

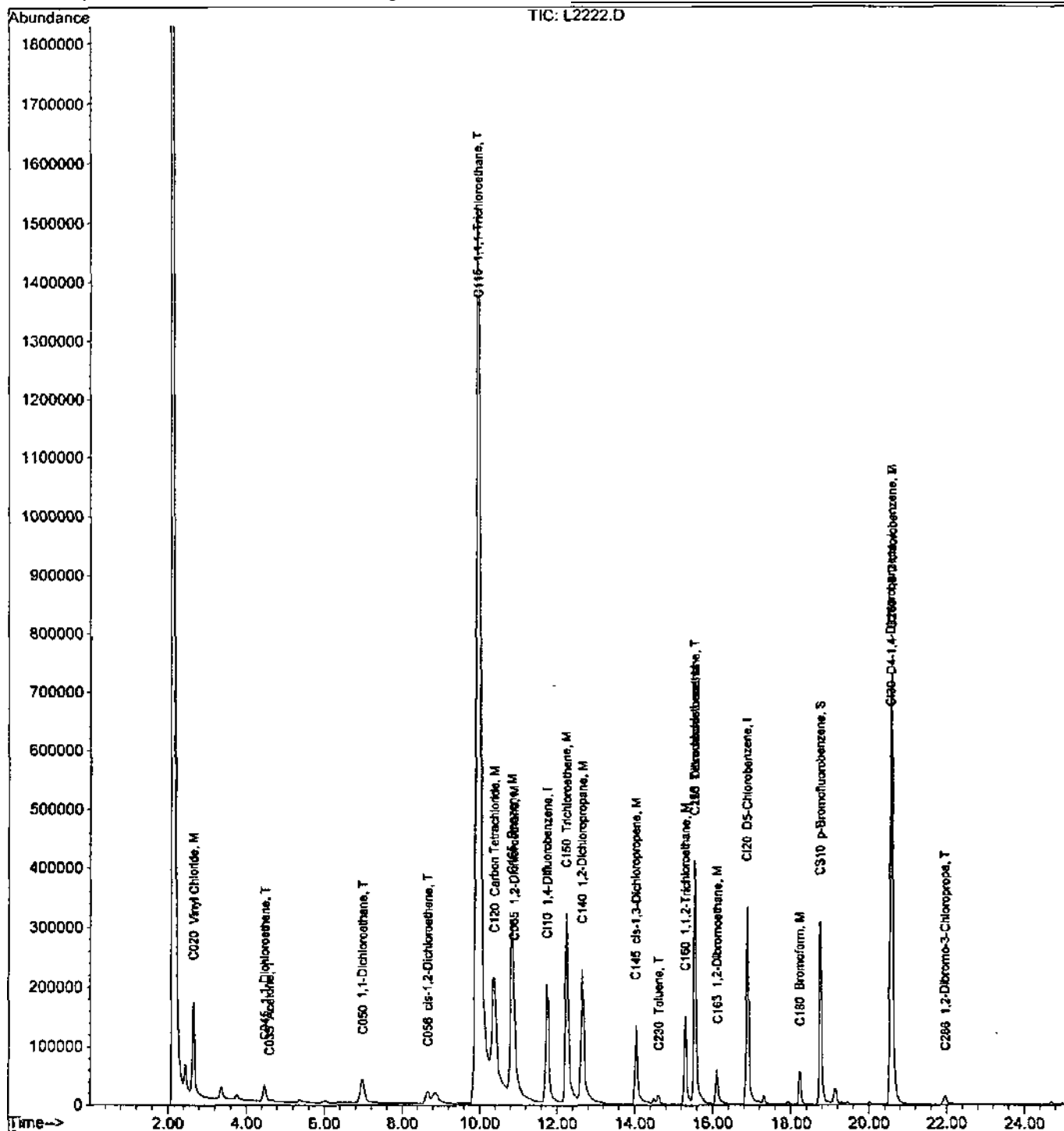
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Data File : C:\ELINK\INSTR1\DATA\123198\L2222.D
Acq On : 31 Dec 1998 20:31
Sample : A8617504MS DF2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jan 1 16:09 1999

Vial: 9
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M {RTE Integrator}
Title : I50L CLP LOW " LEVEL WATER
Last Update : Thu Nov 12 11:47:18 1998
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\123198\L2209.D



Quantitation Report

000146

Data File : C:\ELINK\INSTR1\DATA\123198\L2222.D
 Acq On : 31 Dec 1998 20:31
 Sample : A8617504MS DF2
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Jan 1 16:09 1999

Vial: 9
 Operator: CAS
 Inst : Incos 150
 Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integratorf) /
 Title I50L CLP LOW LEVEL WATER 'tA /A,i.
 Last Update Thu Nov 12 11:47:18 1998 ***I%<
 Response via Single {C:\ELINK\INSTR1\DATA\123198\L2209.D} 31 Dec 1998 12
 DataAcq Meth METHOD.M
 IS QA File C:\ELINK\INSTR1\DATA\123198\L2209.D {31 Dec 1998 12:51)

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Mini Rcv(Ar ;
1) CI10 1,4-Difluorobenzene	11.74	114	529465	125.00	ng	-0.03 107.76%
18) CI20 D5-Chlorobenzene	16.88	117	488024	125.00	ng	0.00 113.40%
40) CI30 D4-1,4-Dichlorobenze	20.56	152	247664	125.00	ng	0.01 112.99%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene 18.76 174 182074 125.27 ng 0.00
 Spiked Amount 125.000 Range 80 - 120 Recovery = 100.22%

Target Compounds

						Qvalue
2) C010	Chloromethane	0.00	50		N.D.	
3) C015	Bromomethane	0.00	94		N.D.	
4) C020	Vinyl Chloride	2.65	62	267438	119.19 ng	95
5) C025	Chloroethane	0.00	64		N.D.	
6) C030	Methylene Chloride	0.00	84		N.D.	
7) C035	Zwetone	4.59	43	3260	28.84 ng	49
8) C040	Carbon Disulfide	0.00	76		N.D.	
9) C045	1,1-Dichloroethene	4.46	96	32878	19.03 ng	95
10) C050	1,1-Dichloroethane	6.97	63	185188	51.24 ng	95
11) C057	trans-1,2-dichloroet	0.00	96		N.D.	
12) C056	cis-1,2-Dichloroethe	8.66	96	41564	24.15 ng	94
13) C060	Chloroform	0.00	83		N.D.	
14) C222	Bromochloromethane	0.00	128		N.D.	
15) C065	1,2-Dichloroethane	10.88	62	216035	155.22 ng	96
16) C110	2-Butanone	0.00	43		N.D.	
17) C115	1,1,1-Trichloroethan	9.95	97	4088244	1303.81 ng	94
18) C120	Carbon Tetrachloride	10.38	117	399349	146.97 ng	95
19) C150	Trichloroethene	12.24	95	379324	183.49 ng	91
20) C130	Bromodichloromethane	0.00	83		N.D.	
21) C140	1,2-Dichloropropane	12.64	63	278519	152.63 ng	98
22) C145	cis-1,3-Dichloroprop	14.03	75	243181	127.72 ng	97
23) C165	Benzene	10.83	78	841002	157.87 ng	100
24) C155	o-itaomochloromethane	15.54	129	244065	194.78 ng	11
25) C170	trans-1,3-Dichloropr	0.00	75		N.D.	
26) C160	1,1,2-Trichloroethan	15.30	97	129009	152.73 ng	95
27) C220	Tetrachloroethene	15.54	166	311949	148.61 ng	93

(#) = qualifier out of range <m) = manual integration
 L2222.D LOWCLP.M Fri Jan 01 16:09:58 1999 I50L

Quantitation Report

000147

Data File C:\ELINK\INSTR1\DATA\123198\L2222.D
Acq On 31 Dec 1998 20:31
Sample A8617504MS DF2
Misc
MS Integration Params: RTEINT.P
Quant Time: Jan 1 16:09 1999

Vial: 9
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW LEVEL WATER
Last Update Thu Nov 12 11:47:18 1998
Response via Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12
DataAcq Meth METHOD.M

	Compound	R.T.	Qlon	Response	Cone Unit	Qvalue
	C163 1,2-Dibromoethane	16.11	109	117338	137.69 ng	97
	C210 4-Methyl-2-Pentanone	0.00	43		N.D.	
32)	C215 2-Hexanone	0.00	43		N.D.	
3^3	C230 Toluene	14.61	91	35477	5.59 ng	99
34)	C235 Chlorobenzene	0.00	112		N.D.	
35)	C240 Ethylbenzene	0.00	91		N.D.	
36)	C246 m,p-Xylene	0.00	106		N.D.	
37)	C247 o-Xylene	0.00	106		N.D.	
38)	C245 Styrene	0.00	104		N.D.	
39)	C225 1,1,2,2-Tetrachloroe	0.00	83		N.D.	
¥E}	C180 Bromoform	18.22	173	64157	130.83 ng	98
39)	C260 -J^--3-^Dichlorobenzene	20.58	146	521912	159.95 ng	91
43)	C267 1,4-Dichlorobenzene	20.58	146	521912	159.95 ng	90
44)	C249 1,2-Dichlorobenzene	0.00	146		N.D.	
-4-54-G2*S-	1,2-Dibromo-3-Chloro	21.95	75	687	5.16 ng	1
46)	C313 1,2,4-Trichlorobenze	0.00	180		N.D.	

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

00014S

Client No

PW1-23 SD

Lab Name: Recra LabNet

Contract: NY99-051

" Lab Code: RECNY

Case No.:

SAS No.:

SDG No.: PW117

Matrix: (soil/water) WATER

Lab Sample ID: A8617504SD

I Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2223.RR

Level: (low/med) LOW

Date Samp/Recv: 12/21/98 12/22/98

I % Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/31/98

"GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 2.00

"Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (UL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	UG/L	Q
74-87-3	Chloromethane	2	U
74-83-9	Bromomethane	2	U
75-01-4	Vinyl chloride	9	
75-00-3	Chloroethane	2	U
75-09-2	Methylene chloride	4	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	2	
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	4	
156-59-2	cis-1,2-Dichloroethene	2	
156-60-5	trans-1,2-Dichloroethene	2	U
67-66-3	Chloroform	2	U
107-06-2	1,2-Dichloroethane	12	
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	2	U
71-55-6	1,1,1-Trichloroethane	96	E
56-23-5	Carbon Tetrachloride	12	
75-27-4	Bromodichloromethane	2	U
78-87-5	1,2-Dichloropropane	12	
10061-01-5	cis-1,3-Dichloropropene	10	
79-01-6	Trichloroethene	14	
124-48-1	Dibromochloromethane	2	U
79-00-5	1,1,2-Trichloroethane	13	
71-43-2	Benzene	13	
10061-02-6	trans-1,3-Dichloropropene	2	U
75-25-2	Bromoform	11	
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	12	
79-34-5	1,1,2,2-Tetrachloroethane	2	U
106-93-4	1,2-Dibromoethane	12	
108-88-3	Toluene	0.4	J
108-90-7	Chlorobenzene	2	U
100-41-4	Ethylbenzene	2	U

EPA 3/95 CLP - VOLATILES
ANALYSIS DATA SHEET

000143

Client No.

PW1-23 SD

Lab Name: STL Buffalo

Contract: NY99-051

Lab Code: RECNY

Case No.:

SAS No.:

SDG No.: PW117

"Matrix: (soil/water) WATER

Lab Sample ID: A8617504SD

• Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: L2223.RR

Level: ((Low/med)) LOW

Date Samp/Recv: 12/21/98 12/22/98

? Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/31/98

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 2.00

'-Soil Extract Volume: _____ (uL:

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

CAS NO-	COMPOUND		
1100-42-5	Styrene	2	U
1330-20-7	Total Xylenes	2	U
541-73-1	1, 3-Dichlorobenzene	2	U
1106-46-7	1, 4-Dichlorobenzene	13	
95-50-1	1,2 -Dichlorobenzene	2	U
96-12-8	1/2-Dibromo - 3 - chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U

1

Quantitation Report

0001.50

Data File C:\ELINK\INSTR1\DATA\123198\L2223.D
Acq On 31 Dec 1998 21:03
Sample A8617504SD DF2
Misc
MS Integration Params: RTEINT.P
Quant Time: Jan 1 16:10 1999

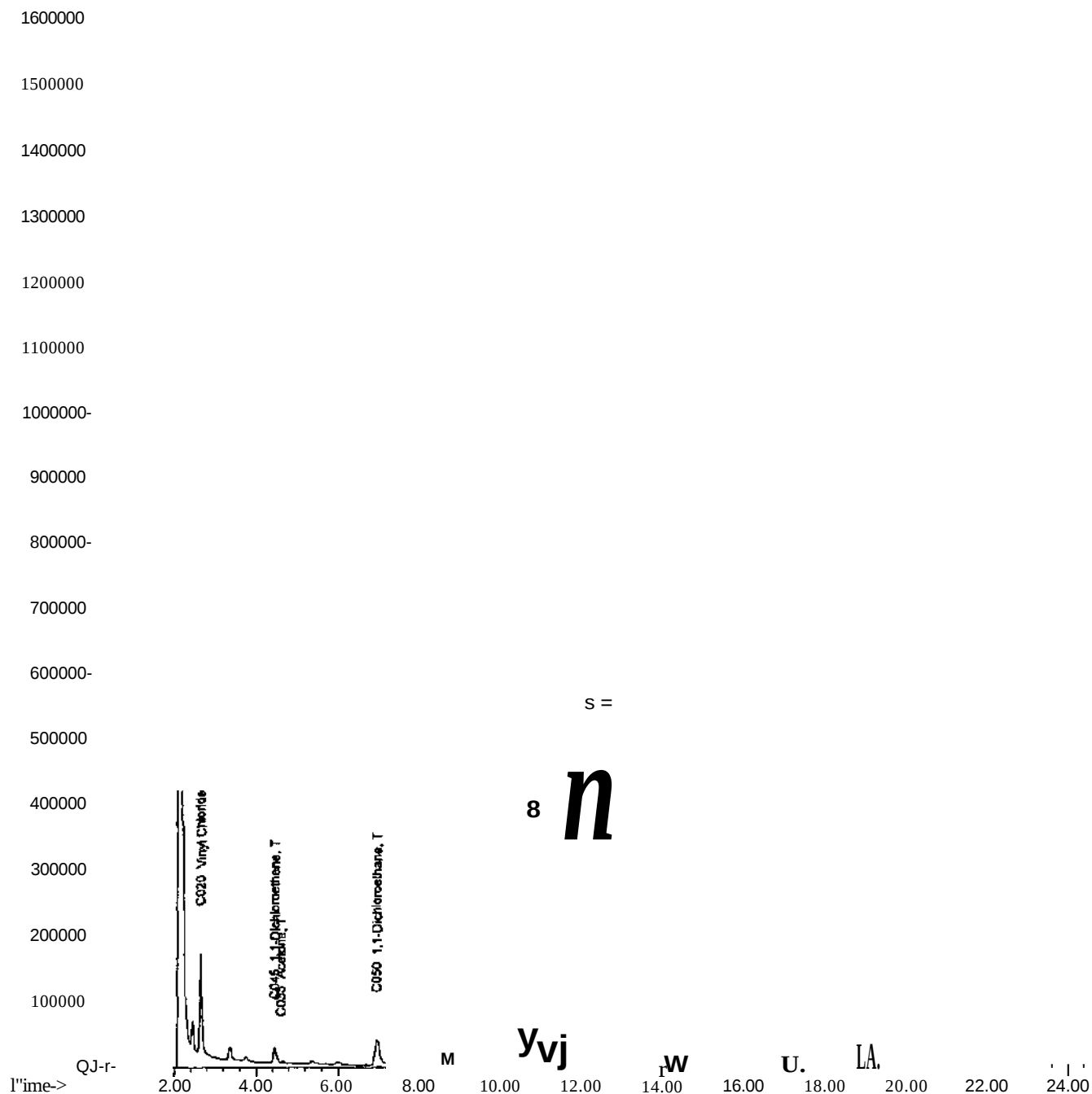
Vial: 10
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW ' LEVEL WATER
Last Update Thu Nov 12 11:47:18 1998
Response via Continuing Cal File: C:\ELINK\INSTR1\DATA\123198\L2209.D

Sundance
1700000

TIC: L2223.D



Quantitation Report

000151

Data File C:\ELINK\INSTR1\DATA\123198\L2223.D
Acq On 31 Dec 1998 21:03
Sample A8617504SD DF2
Misc
MS Integration Params: RTEINT.P
Quant Time: Jan 1 16:10 1999

Vial: 10
Operator: CAS
Inst : Incos 150
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title I50L CLP LOW LEVEL WATER
Last Update Thu Nov 12 11:47:18 1998
Response via Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12
DataAcq Meth METHOD.M
IS QA File C:\ELINK\INSTR1\DATA\123198\L2209.D (31 Dec 1998 12:51)

Internal Standards	R.T.	Qlon	Response	Cone	Units	Dev(Min! Rcv(Ar ;
1) CI10 1,4-Difluorobenzene	11.74	114	540155	125 00	ng	-0.03 109.94%
18) CI20 D5-Chlorobenzene	16.87	117	488784	125 00	ng	-0.01 113.58%
40) CI30 D4-1,4-Dichlorobenze	20.52	152	251656	125 00	ng	-0.03 114.81%

System Monitoring Compounds

17) CS10 p-Bromofluorobenzene 18.73 174 185295 124.97 ng -0.03
Spiked Amount 125.000 Range 80 - 120 Recovery = 99.98%

:t Compounds

Qvalue

C010	Chloromethane	0.00	50		N.D	
C015	Bromomethane	0.00	94		N.D	
C020	Vinyl Chloride	2.65	62	266347	116.35	ng 96
C025	Chloroethane	0.00	64		N.D	
C030	Methylene Chloride	0.00	84		N.D	
-S#3-5-7tce4aone		4.60	43	5368	46.55	ng 49
C040	Carbon Disulfide	0.00	76		N.D	
C045	1,1-Dichloroethene	4.46	96	30704	17.42	ng 82
C050	1,1-Dichloroethane	6.96	63	189390	51.37	ng 93
C057	trans-1,2-dichloroet	0.00	96		N.D	
C056	cis-1,2-Dichloroethe	8.64	96	43127	24.57	ng 90
C060	Chloroform	0.00	83		N.D	
C222	Bromochloromethane	0.00	128		N.D	
C065	1, 2-Dichloroethane	10.87	62	221780	156.19	ng 98
C110	2-Butanone	0.00	43		N.D	
C115	1,1,1-Trichloroethan	9.95	97	3783152	1204.64	ng 95
C120	Carbon Tetrachloride	10.37	117	405378	148.95	ng 98
C150	Trichloroethene	12.24	95	374497	180.87	ng 89
C130	Bromodichloromethane	0.00	83		N.D.	
C140	1,2-Dichloropropane	12.65	63	287557	157.34	ng 97
C145	cis-1,3-Dichloroprop	14.03	75	248404	130.26	ng 100
C165	Benzene	10.82	78	880292	164.99	ng 100
C155	Dibromochloromethane	15.53	129	255203	203.36	ng 11
C170	trans-1,3-Dichloropr	0.00	75		N.D	
C160	1,1,2-Trichloroethan	15.29	97	138808	164.08	ng 99
C220	Tetrachloroethene	15.53	166	324741	154.47	ng 92

(#)=qualifier out of range <m)=manual integration

L2223.D LOWCLP.M

Fri Jan 01 16:10:26 1999

I50L

* Page 1

Quantitation Report

00015;:

Data File C:\ELINK\INSTR1\DATA\123198\L2223.D
 Acq On 31 Dec 1998 21:03
 Sample A8617504SD DF2
 Misc
 MS Integration Params: RTEINT.P
 Quant Time: Jan 1 16:10 1999

Vial 10
 Operator CAS
 Inst Incos 150
 Multiplr 1.00

Quant Results File: LOWCLP.RES

Quant Method C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
 Title ISOL CLP LOW LEVEL WATER
 Last Update Thu Nov 12 11:47:18 1998
 Response via Single (C:\ELINK\INSTR1\DATA\123198\L2209.D 31 Dec 1998 12
 DataAcq Meth METHOD.M

Compound	R.T.	Qlon	Response	Cone Unit	Qvalue
C163 1,2-Dibromoethane	16.10	109	123204	144.35 ng	99
3 C210 4-Methyl-2-Pentanone	0.00	43		N.D.	
C215 2-Hexanone	0.00	43		N.D.	
C230 Toluene	14.60	91	35595	5.60 ng	98
34) C235 Chlorobenzene	0.00	112		N.D.	
35) C240 Ethylbenzene	0.00	91		N.D.	
36) C246 m,p-Xylene	0.00	106		N.D.	
37) C247 o-Xylene	0.00	106		N.D.	
38) C245 Styrene	0.00	104		N.D.	
39) C225 1,1,2,2-Tetrachloroe	0.00	83		N.D.	
C180 Bromoform	18.21	173	67929	136.32 ng	97
42) C255 3-DichlorobGnEcno	20.56	3r4-6	544407	164.20 ng	-91
43) C267 1,4-Dichlorobenzene	20.56	146	544407	164.20 ng	89
44) C249 1,2-Dichlorobenzene	0.00	146		N.D.	
45) C286 1,2-Dibromo-3-Chloro	21.94	75	1080	7.98 ng	
46) C313 1,2,4-Trichlorobenze	0.00	180		N.D.	

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REJECTION LOGBOOK

000154

RT SS 11	AREA SS 11	% REC	RT SS 12	AREA SS 12	% REC	RT SS 13	AREA SS 13	% REC	COMMENTS	LR	HC	SS
1072	248172	84	1451	1531135	100	1477	49145	97	Rehoot DE 1	SS10		
1072	246957	84	1449	1502222	102	1477	481364	99	From: (MIST PL) RIGURE OK			
1072	243767	83	1449	1512144	102	1475	473899	97	↓			
1072	251030	85	1449	1466195	99	1485	480619	97	Rehoot possible course			
1073	247072	84	1450	1498609	94	1484	481659	97				
1071	246475	86	1449	1476142	94	1472	499905	100				
1072	245996	86	1450	1452414	94	1473	475265	101				
							CO 21466		Lower failure			
									PAC			
									MISS 1			
1075	28196	-							MISS 2 (MIST PL) RIGURE OK			
1075	28725	-							MISS 3 (MIST PL) RIGURE OK			
1075	28805	-							MISS 4 (MIST PL) RIGURE OK			
1075	28805	-							MISS 5 (MIST PL) RIGURE OK			
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Date 7/29/98

000049

VOLUME

DATE

TIME

DATE

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TIME

DATE	TIME	ANALYST	FW	SAMPLE ID	JOB #	INL VOL	EXT WT	D.F.	COMP	AUTO	HOLD TIME	EM VOLTS	NO IS	RT IS #1	AREA IS #1	% REC	RT IS #2	AREA IS #2	% REC	RT IS #3	AREA IS #3
11/16	12:18	AS	12185	123000FBL	-	1.00	-	-	-	-	5min	11.72	11.72	849489	-	1.87	765293	-	2051	515655	
11/16	12:18	AS	12186	123000	-	1.00	-	-	-	-	5min	11.75	11.75	933112	-	1.87	735594	-	2051	442717	
11/16	12:18	AS	12187	123000	-	1.00	-	-	-	-	5min	11.74	11.74	824575	97	1.87	760985	97	2051	461950	
11/16	12:18	AS	12188	123000	-	1.00	-	-	-	-	5min	11.71	11.71	841266	99	1.87	766103	99	2051	441853	
11/16	12:18	AS	12189	123000	-	1.00	-	-	-	-	5min	11.71	11.71	826446	95	1.87	68723	95	2051	426535	
11/16	12:19	AS	12190	123000	-	1.00	-	-	-	-	5min	11.76	11.76	777683	92	1.87	667650	92	2051	419730	
11/16	12:19	AS	12191	123000	-	1.00	-	-	-	-	5min	11.74	11.74	705236	83	1.87	609774	83	2051	404439	
11/16	12:19	AS	12192	123000	-	1.00	-	-	-	-	5min	11.72	11.72	703158	85	1.87	680781	85	2051	418244	
11/16	12:19	AS	12193	123000	-	1.00	-	-	-	-	5min	11.72	11.72	703537	88	1.87	634434	88	2051	400314	
11/16	12:19	AS	12194	123000	-	1.00	-	-	-	-	5min	11.72	11.72	706548	83	1.87	646103	83	2051	399556	
11/16	12:19	AS	12195	123000	-	1.00	-	-	-	-	5min	11.72	11.72	694440	82	1.87	632980	82	2051	418676	
11/16	12:19	AS	12196	123000	-	1.00	-	-	-	-	5min	11.75	11.75	657112	77	1.87	621735	77	2051	392744	
11/16	12:19	AS	12197	123000	-	1.00	-	-	-	-	5min	11.71	11.71	702372	83	1.87	625865	83	2051	397294	
11/16	12:19	AS	12198	123000	-	1.00	-	-	-	-	5min	11.71	11.71	689650	81	1.87	636956	81	2051	387492	
11/16	12:19	AS	12199	123000	-	1.00	-	-	-	-	5min	11.72	11.72	690619	81	1.87	624763	81	2051	402692	
11/16	12:20	AS	12200	123000	-	1.00	-	-	-	-	5min	11.75	11.75	642588	76	1.87	609269	76	2051	369689	
11/16	12:20	AS	12201	123000	-	1.00	-	-	-	-	5min	11.74	11.74	650577	77	1.87	607815	77	2051	371168	
11/16	12:20	AS	12202	123000	-	1.00	-	-	-	-	5min	11.75	11.75	649557	76	1.87	601734	76	2051	377998	
11/16	12:20	AS	12203	123000	-	1.00	-	-	-	-	5min	11.71	11.71	634466	75	1.87	593783	75	2051	379694	
11/16	12:20	AS	12204	123000	-	1.00	-	-	-	-	5min	11.74	11.74	621394	73	1.87	586107	73	2051	371449	
11/16	12:20	AS	12205	123000	-	1.00	-	-	-	-	5min	11.72	11.72	615202	72	1.87	578958	72	2051	371437	
11/16	12:20	AS	12206	123000	-	1.00	-	-	-	-	5min	11.76	11.76	491339	66	1.87	430746	66	2051	219200	
11/16	12:20	AS	12207	123000	-	1.00	-	-	-	-	5min	11.75	11.75	475018	97	1.87	445191	97	2051	202377	
11/16	12:20	AS	12208	123000	-	1.00	-	-	-	-	5min	11.73	11.73	496485	101	1.87	428577	101	2051	214441	
11/16	12:20	AS	12209	123000	-	1.00	-	-	-	-	5min	11.75	11.75	473574	96	1.87	416863	96	2051	218481	
11/16	12:20	AS	12210	123000	-	1.00	-	-	-	-	5min	11.73	11.73	495716	101	1.87	216666	101	2051	218481	
11/16	12:20	AS	12211	123000	-	1.00	-	-	-	-	5min	11.75	11.75	526126	107	1.87	476634	107	2051	218766	
11/16	12:20	AS	12212	123000	-	1.00	-	-	-	-	5min	11.71	11.71	485788	99	1.87	480789	99	2051	229735	
11/16	12:20	AS	12213	123000	-	1.00	-	-	-	-	5min	11.74	11.74	510602	101	1.87	458658	101	2051	229570	
11/16	12:20	AS	12214	123000	-	1.00	-	-	-	-	5min	11.74	11.74	502151	102	1.87	450880	102	2051	217848	
11/16	12:20	AS	12215	123000	-	1.00	-	-	-	-	5min	11.74	11.74	510689	104	1.87	464440	104	2051	232008	
11/16	12:20	AS	12216	123000	-	1.00	-	-	-	-	5min	11.76	11.76	543615	111	1.87	476315	111	2051	229722	
11/16	12:20	AS	12217	123000	-	1.00	-	-	-	-	5min	11.71	11.71	526710	107	1.87	481601	107	2051	237886	
11/16	12:20	AS	12218	123000	-	1.00	-	-	-	-	5min	11.73	11.73	514128	105	1.87	475866	105	2051	218648	
11/16	12:20	AS	12219	123000	-	1.00	-	-	-	-	5min	11.74	11.74	524465	108	1.87	480244	108	2051	247664	
11/16	12:20	AS	12220	123000	-	1.00	-	-	-	-	5min	11.74	11.74	524465	108	1.87	480244	108	2051	247664	
11/16	12:20	AS	12221	123000	-	1.00	-	-	-	-	5min	11.74	11.74	524465	108	1.87	480244	108	2051	247664	
11/16	12:20	AS	12222	123000	-	1.00	-	-	-	-	5min	11.74	11.74	524465	108	1.87	480244	108	2051	247664	
11/16	12:20	AS	12223	123000	-	1.00	-	-	-	-	5min	11.74	11.74	524465	108	1.87	480244	108	2051	247664	

Reviewed by CEE

<i>i *</i>	RT SSI1	AREA SSI11	* REC	Rt SS«	AREA SSI2	REC	HI SSI3	AREA SSI3	HEC	COMMENTS	LIB	HC	> SS
<i>i *</i> ^K5	N	<H97^	~	Hn	foc&ii	^	f*1»	*?72o3\	-v	-Asj 'kyonn^P^favo.-mS)	LI<- /3^- 'Z, I1JJ^^-7, U)6W	-PW	#0
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4	/ ^ ?	/ *tests/	H	M+7	60 3<tef	ft	///7J	0 ^ 7 4 1 ^	H				
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