ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

D930001077

CHAIN OF CUSTODY RECORD

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

PROJ. NO.: 93SV01
PROJECT NAME: SE Rockford
SAMPLERS: (Signature) Doug Yeskis, Patrick C Mills

Superfund 1077

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOA-FASP						REMARKS: TAG NO.S	TOTAL VOC's may be up to:
S01	12/1/92	1646		X	BH 3	3	X						5-016112-14	50 ppb
S02	12/2/92	1230		X	BH 2 (MS/MSD)	9	X						5-016118-26	200 ppb
D02	12/2/92	1230		X	BH 2	3	X						5-016115-17	200 ppb
S03	12/2/92	1735		X	BH 1	4	X						5-016127-30	20,000 ppb
R01	12/2/92	1554		X	Trip Blank	3	X						5-016104-06	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Patrick C Mills	12/2/92 1800	Doug Yeskis	Doug Yeskis	12/3/92 1302	William Sargent
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) William Sargent	Date / Time 12/3/92 1:10 PM pcm		

Remarks: Ship to: CRL, 536 S. Clark St., Chicago, IL 60605 Attn: Bill Sargent
~~Airbill # 545474218L~~ Hand Carried by Doug Yeskis USEPA
Chain of Custody No.s 178001 & 178002

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

5- 07202

D93000 1077

DAY 1

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: TOXIC SUBSTANCES

TFA301

DIVISION/BRANCH SUPERFUND SAMPLE DATE 12/1-2/92 LAB ARRIVAL DATE 12/3/92 DUE DATE 12/24/92

DU NUMBER TFA DATA SET NUMBER 1077 STUDY SE ROCKFORD PRIORITY N CONTRACTOR N

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17664	WATER ABN ORGANICS SCAN UG/L TOX 17674	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93SV01S01	BH3 5-016112-13-14	X			
93SV01S02	BH2(MS/MSD) 5-016118-19-20-1-2-3-4-5-6	X			
93SV01D02	BH2 DUPLICATE 5-016115-6-7	X			
93SV01S03	BH1 5-016127-8-9-30	X			
93SV01R01	TRIP BLANK 5-016104-5-6	X			

U.S. Environmental Protection Agency Region V

Superfund Document Management System (SDMS)

Lab Data Reference Sheet

Please contact the Superfund Records Manager for further information.

I. Unscannable item due to format

___ Graph

X Mail receipts

___ Sample tags

II. Image Quality (Pages follow / No. of pages ____)

___ Resolution / Contrast

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

D930001077

CHAIN OF CUSTODY RECORD

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

PROJ. NO.: 93SV01
PROJECT NAME: S. E. Rockford
SAMPLERS: (Signature) Scott E. Prinos

Superfund 1077

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOAs						REMARKS Tag #s
S09	12/09/92	0950		X	BH1F	4	X						016204 - 016207
R07	12/09/92	0950		X	Trip Blank	3	X						016201 - 016203
↑ STA													
S10	12/09/92	1230		X	BH1G	4	X						016208 - 016210

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Scott E. Prinos	12/09/92 1715	William Sargent Jr.			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) William Sargent Jr.	Date / Time 12/10/92 12:54 pm	Remarks Ship To C.R.L. 536 S. Clark ST. Chicago IL. 60605 ATTN: Bill Sargent	

Ship To 5454742156 Fed ex # Chain of Custody #s: 178011, 178012

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

5- 07207

D930001077 DA46

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: TOXIC SUBSTANCES TFA301

DIVISION/BRANCH SUPERFUND SAMPLE DATE 12/9/92 LAB ARRIVAL DATE 12/10/92 DUE DATE 12/31/92

DU NUMBER TFA DATA SET NUMBER 1077 STUDY S.E. ROCKFORD PRIORITY N CONTRACTOR N

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17664	WATER ABN ORGANICS SCAN UG/L TOX 17674	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93SV01R07	TRIP BLANK 5-016201-2-3	X			
93SV01S09	BHIF 5-016204-5-6-7	X			
93SV01S10	BHIG 5-016208-9-10-11	X			

U.S. Environmental Protection Agency Region V

Superfund Document Management System (SDMS)

Lab Data Reference Sheet

Please contact the Superfund Records Manager for further information.

I. Unscannable item due to format

___ Graph

X Mail receipts

___ Sample tags

II. Image Quality (Pages follow / No. of pages ____)

___ Resolution / Contrast

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

D930001077

CHAIN OF CUSTODY RECORD

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

PROJ. NO.: 93SV01
PROJECT NAME: SE Rockford
SAMPLERS: (Signature) Patrick C Mills

Superfund 1077

REMARKS: BHI-A samples: Total VOC's may be up to 20 ppm

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOA-FASP						TAG NO.S
S04	12/3/92	1705		X	BHI-A (MS/MSD)	PCM ~~8~~ 12	X						S-016131-42
D04	12/3/92	1705		X	BHI-A	PCM ~~3~~ 4	X						S-016143-46
R02	12/3/92	1045		X	Trip Blank	3	X						S-016147-49
R03	12/3/92	1200		X	Method Blank	3	X						S-016150-52

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Patrick C Mills	12/3/92 1800	William Sargent			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) William Sargent	Date / Time 12/4/92 2:45pm	Remarks Ship To: CRL 536 S. Clark St Chicago, IL 60605 ATTN: Bill Sargent Airbill No. 5454742182 Chain of Custody No.s 178003 & 178004	

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

5- 07201

D93000/077

DAY 2

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: TOXIC SUBSTANCES

TFA301

DIVISION/BRANCH SUPERFUND SAMPLE DATE 12/3/92 LAB ARRIVAL DATE 12/4/92 DUE DATE 12/25/92

DU NUMBER TFA DATA SET NUMBER 1077 STUDY SE ROCKFORD PRIORITY N CONTRACTOR N

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17664	WATER ABN ORGANICS SCAN UG/L TOX 17674	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93SV01S04	BHI-A (MS/MSD) 5-016131-2 33-4-5-6-7 38-9-10-12	X			
93SV01D04	BHI-A 5-016143-4-5-6	X			
93SV01R02	TRIP BLANK 5016147-8-9	X			
93SV01R03	METHOD BLANK 5-016150-51-52	X			

U.S. Environmental Protection Agency Region V

Superfund Document Management System (SDMS)

Lab Data Reference Sheet

Please contact the Superfund Records Manager for further information.

I. Unscannable item due to format

___ Graph

X Mail receipts

___ Sample tags

II. Image Quality (Pages follow / No. of pages ____)

___ Resolution / Contrast

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

D93000107 7

CHAIN OF CUSTODY RECORD

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

PROJ. NO.: 93SV01
PROJECT NAME: S.E. Rockford
SAMPLERS: (Signature) Scott T. Prinos

Superfund 1077

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOA						REMARKS Tag #s
R10	12/17/92	0800		X	Trip Blank	3	X						016226-016228
S16	12/17/92	1320		X	BH2f	3	X						016229-016231

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Scott T. Prinos	12/17/92 1730	William Surgo Jr.			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) William Surgo Jr.	Date / Time 12/18/92 10:28 AM	Remarks Fed ex #. 5454742123 Chain of Custody 178017, 178018	CRL 536 S. Clark St. Chicago IL. 60605 Attn. Bill Sargent

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

5- 07211

D93000 1077 DAY 9

ENVIRONMENTAL PROTECTION AGENCY TFA301
FOR THE TEAM: TOXIC SUBSTANCES

DIVISION/BRANCH SUPERFUND SAMPLE DATE 12/17/92 LAB ARRIVAL DATE 12/18/92 DUE DATE 1/8/93

DU NUMBER TFA DATA SET NUMBER 1077 STUDY S.E. ROCKFORD PRIORITY N CONTRACTOR N

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17664	WATER ABN ORGANICS SCAN UG/L TOX 17674	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93SV01R10	TRIP BLANK 5-016226-7-28	X			
93SV01S16	GH2F 5-016229-30-31	X			

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: JAN 28 1993

Subject: Review of Region 5 Data for **S. E. Rockford (SF1077) 1 OF 2**

From: Charles T. Elly, Director Chuck Elly
Region 5 Central Regional Laboratory

To:

Attached are the results for: **S. E. Rockford 1 OF 2**
CRL request number: **SF1077**
Analyzed for: **VOA (Organics)**
Results are reported for sample designations: 93SV01S01, -S02, -S03, -D02, -R01, 93SV01S04, -D04, -R04, -S05, -D05, -R04, -S06, D06, -R05, -S07, -D07, -S08, -D08, -R06, -S09, -S10, -R07, -S11, -S12, -S13, -R08, -S14, -S15, -R09, -S16, -R10. (33 SAMPLES)

Results Status:
(X) Acceptable for Use
( ) Data Qualified, but Acceptable for use
( ) Data Unacceptable for Use

(X) Sewer Disposal Criteria Met; Exceptions: none
Comments on Data Quality by Reviewer:

- Some outliers were present in the calibration procedure, but compounds were not detected in any of the associated samples, except for cis-1,2-dichloroethene and 1,1,1-trichloroethane which were found in sample 93SV01S16. The results of these two analytes should be considered estimated (J).
- Except for the above minor problem, no other problems were observed.

Comments by Laboratory Director or Quality Control Coordinator

Review Record for **S. E. ROCKFORD (SF1077) VOA (Organics)**

Nidia Fuentes 01/25/93 1/26/93

Team Leader and Task Monitor Date (X) Reviewed ( ) Unreviewed

Chi Yang 1/27/93

Section Chief and Date (✓) Reviewed ( ) Unreviewed

James H. Adams, Jr. 1/27/93

QC Coordinator and Date (✓) Reviewed ( ) Unreviewed

Sylvia Griffin 1-28-93

Data Management Coordinator and Date Received

Date Transmitted JAN 28 1993

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
SL - 10C

Received by and Date

Comments:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

120992BLK1

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: METHOD BLANK

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG017

Level: (low/med) LOW Date Received: 12/03/92

% Moisture: not dec.---- Date Analyzed: 12/09/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	U
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	2.	U
78-93-3	2-Butanone	4.	JB
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	.6	J
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

MA 1/25/93

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

120992BLK1

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: METHOD BLANK

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG017

Level: (low/med) LOW Date Received: 12/03/92

% Moisture: not dec.---- Date Analyzed: 12/09/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
124-48-1	Dibromochloromethane	2.	U
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	2.	U
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	2.	U
1083836423	m &/or p-Xylene	2.	U
95-47-6	o-Xylene	2.	U
100-42-5	Styrene	2.	U
75-25-2	Bromoform	2.	U
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	U
79-34-5	1,1,2,2-Tetrachloroethane	2.	U
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	U
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	U
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	U
96-12-8	1,2-Dibromo-3-chloropropane	2.	U
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	1.	JB
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

MT 1/25/93

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B = Contaminant found in laboratory 120992BLK1; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

120892BLK2

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Matrix: (soil/water) WATER Lab Sample ID: METHOD BLK#

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG011

Level: (low/med) LOW Date Received: 12/08/92

% Moisture: not dec.---- Date Analyzed: 12/08/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	U
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	2.	U
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
	2-Chloroethyl vinylether	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

120892BLK2

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Matrix: (soil/water) WATER Lab Sample ID: METHOD BLK#

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG011

Level: (low/med) LOW Date Received: 12/08/92

% Moisture: not dec.---- Date Analyzed: 12/08/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
591-78-6	2-Hexanone	5.	U
124-48-1	Dibromochloromethane	2.	U
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	2.	U
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	2.	U
1083836423	m &/or p-Xylene	2.	U
95-47-6	o-Xylene	2.	U
100-42-5	Styrene	2.	U
75-25-2	Bromoform	2.	U
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	U
79-34-5	1,1,2,2-Tetrachloroethane	2.	U
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	U
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	U
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	U
96-12-8	1,2-Dibromo-3-chloropropane	2.	U
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	2.	U
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

120892BLK3

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Matrix: (soil/water) WATER Lab Sample ID: METHOD BLK#

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG013

Level: (low/med) LOW Date Received: 12/08/92

% Moisture: not dec.---- Date Analyzed: 12/08/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	U
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	2.	U
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
	2-Chloroethyl vinylether	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U

Are there any TICs ? (Please check a box) YES [ ] NO [✓]

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

120892BLK3

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Matrix: (soil/water) WATER Lab Sample ID: METHOD BLK#

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG013

Level: (low/med) LOW Date Received: 12/08/92

% Moisture: not dec.---- Date Analyzed: 12/08/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
591-78-6	2-Hexanone	5.	U
124-48-1	Dibromochloromethane	2.	U
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	2.	U
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	2.	U
1083836423	m &/or p-Xylene	2.	U
95-47-6	o-Xylene	2.	U
100-42-5	Styrene	2.	U
75-25-2	Bromoform	2.	U
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	U
79-34-5	1,1,2,2-Tetrachloroethane	2.	U
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	U
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	U
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	U
96-12-8	1,2-Dibromo-3-chloropropane	2.	U
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	2.	U
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R01

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R01

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG019

Level: (low/med) LOW Date Received: 12/03/92

% Moisture: not dec.---- Date Analyzed: 12/09/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	U
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	2.	U
78-93-3	2-Butanone	3.	JB
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	.8	JB
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

MP 1/24/93

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R01

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R01

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG019

Level: (low/med) LOW Date Received: 12/03/92

% Moisture: not dec.---- Date Analyzed: 12/09/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
124-48-1	Dibromochloromethane	2.	U
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	2.	U
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	2.	U
1083836423	m &/or p-Xylene	2.	U
95-47-6	o-Xylene	2.	U
100-42-5	Styrene	2.	U
75-25-2	Bromoform	2.	U
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	U
79-34-5	1,1,2,2-Tetrachloroethane	2.	U
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	U
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	U
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	U
96-12-8	1,2-Dibromo-3-chloropropane	2.	U
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	1.	JB
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R02

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R02

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG020

Level: (low/med) LOW Date Received: 12/04/92

% Moisture: not dec.---- Date Analyzed: 12/09/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	U
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	2.	U
78-93-3	2-Butanone	3.	JB
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

Are there any TICs ? (Please check a box) YES |__| NO |✓|

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R02

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R02

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG020

Level: (low/med) LOW Date Received: 12/04/92

% Moisture: not dec.---- Date Analyzed: 12/09/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
124-48-1	Dibromochloromethane	2.	U
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	2.	U
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	2.	U
1083836423	m &/or p-Xylene	2.	U
95-47-6	o-Xylene	2.	U
100-42-5	Styrene	2.	U
75-25-2	Bromoform	2.	U
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	U
79-34-5	1,1,2,2-Tetrachloroethane	2.	U
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	U
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	U
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	U
96-12-8	1,2-Dibromo-3-chloropropane	2.	U
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	1.	JB
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R03

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R03

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG021

Level: (low/med) LOW Date Received: 12/04/92

% Moisture: not dec.---- Date Analyzed: 12/09/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	U
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	2.	U
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	1.	JB
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

NF 1/25/93

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R03

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R03

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG021

Level: (low/med) LOW Date Received: 12/04/92

% Moisture: not dec.---- Date Analyzed: 12/09/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
124-48-1	Dibromochloromethane	2.	U
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	2.	U
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	2.	U
1083836423	m &/or p-Xylene	2.	U
95-47-6	o-Xylene	2.	U
100-42-5	Styrene	2.	U
75-25-2	Bromoform	2.	U
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	U
79-34-5	1,1,2,2-Tetrachloroethane	2.	U
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	U
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	U
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	U
96-12-8	1,2-Dibromo-3-chloropropane	2.	U
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	1.	JB
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S03

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S03

Sample wt/vol: 0.25 (g/mL) mL Lab File ID: >AG024

Level: (low/med) LOW Date Received: 12/04/92

% Moisture: not dec.---- Date Analyzed: 12/09/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	60.	U
74-87-3	Chloromethane	60.	U
75-01-4	Vinyl chloride	60.	U
74-83-9	Bromomethane	60.	U
75-00-3	Chloroethane	60.	U
75-69-4	Trichlorofluoromethane	60.	U
107-64-1	Acrolein	200.	U
75-35-4	1,1-Dichloroethene	140.	
67-64-1	Acetone	200.	U
75-15-0	Carbon disulfide	40.	U
75-09-2	Methylene chloride	40.	U
156-60-5	trans-1,2-Dichloroethene	40.	U
107-13-1	Acrylonitrile	200.	U
75-34-3	1,1-Dichloroethane	220.	
108-05-4	Vinylacetate	200.	UJ
594-20-7	2,2-Dichloropropane	40.	U
156-59-2	cis-1,2-Dichloroethene	600.	
78-93-3	2-Butanone	200.	U
74-97-5	Bromochloromethane	40.	U
67-66-3	Chloroform	14.	J
71-55-6	1,1,1-trichloroethane	1400.	
56-23-5	Carbon tetrachloride	250.	
563-58-6	1,1-Dichloropropene	40.	U
71-43-2	Benzene	40.	U
107-06-2	1,2-Dichloroethane	40.	U
79-01-6	Trichloroethene	360.	
78-87-5	1,2-Dichloropropane	40.	U
74-95-3	Dibromomethane	40.	U
75-27-4	Bromodichloromethane	40.	U
10061-01-5	cis-1,3-dichloropropene	40.	U
108-88-3	Toluene	40.	U
108-10-1	4-Methyl-2-pentanone	100.	U
10061-02-6	trans-1,3-Dichloropropene	40.	U
127-18-4	Tetrachloroethene	180.	
79-00-5	1,1,2-Trichloroethane	40.	U
142-28-9	1,3-Dichloropropane	40.	U
591-78-6	2-Hexanone	100.	U

MF 1/25/93

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S03

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S03

Sample wt/vol: 0.25 (g/mL) mL Lab File ID: >AG024

Level: (low/med) LOW Date Received: 12/04/92

% Moisture: not dec.---- Date Analyzed: 12/09/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	40.	U	
106-93-4	1,2-Dibromoethane	40.	U	
108-90-7	Chlorobenzene	40.	U	
630-20-6	1,1,1,2-Tetrachloroethane	40.	U	
100-41-4	Ethylbenzene	40.	U	
1083836423	m &/or p-Xylene	40.	U	
95-47-6	o-Xylene	40.	U	
100-42-5	Styrene	40.	U	
75-25-2	Bromoform	40.	U	
98-82-8	Isopropylbenzene	40.	U	
108-86-1	Bromobenzene	40.	U	
96-18-4	1,2,3-Trichloropropane	40.	U	
79-34-5	1,1,2,2-Tetrachloroethane	40.	U J	nf
103-65-1	n-Propylbenzene	40.	U	
95-49-8	2-Chlorotoluene	40.	U	
106-43-4	4-Chlorotoluene	40.	U	
108-67-8	1,3,5-Trimethylbenzene	40.	U	
98-06-6	tert-Butylbenzene	40.	U	
95-63-6	1,2,4-Trimethylbenzene	40.	U	
135-98-8	sec-Butylbenzene	40.	U	
541-73-1	1,3-Dichlorobenzene	40.	U	
106-46-7	1,4-Dichlorobenzene	40.	U	
99-87-6	p-Isopropyltoluene	40.	U	
95-50-1	1,2-Dichlorobenzene	40.	U	
104-51-8	n-Butylbenzene	40.	U	
96-12-8	1,2-Dibromo-3-chloropropane	40.	U J	nf.
120-82-1	1,2,4-Trichlorobenzene	40.	U	
91-20-3	Naphthalene	40.	U	
87-68-3	Hexachlorobutadiene	40.	U	
87-61-6	1,2,3-Trichlorobenzene	40.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S04

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S04

Sample wt/vol: 0.2 (g/mL) mL Lab File ID: >AG025

Level: (low/med) LOW Date Received: 12/04/92

% Moisture: not dec.---- Date Analyzed: 12/09/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	75.	U
74-87-3	Chloromethane	75.	U
75-01-4	Vinyl chloride	75.	U
74-83-9	Bromomethane	75.	U
75-00-3	Chloroethane	75.	U
75-69-4	Trichlorofluoromethane	75.	U
107-64-1	Acrolein	250.	U
75-35-4	1,1-Dichloroethene	110.	
67-64-1	Acetone	250.	U
75-15-0	Carbon disulfide	50.	U
75-09-2	Methylene chloride	50.	U
156-60-5	trans-1,2-Dichloroethene	50.	U
107-13-1	Acrylonitrile	250.	U
75-34-3	1,1-Dichloroethane	250.	
108-05-4	Vinylacetate	250.	UJ
594-20-7	2,2-Dichloropropane	50.	U
156-59-2	cis-1,2-Dichloroethene	480.	
78-93-3	2-Butanone	250.	U
74-97-5	Bromochloromethane	50.	U
67-66-3	Chloroform	50.	U
71-55-6	1,1,1-trichloroethane	1200.	
56-23-5	Carbon tetrachloride	220.	
563-58-6	1,1-Dichloropropene	50.	U
71-43-2	Benzene	50.	U
107-06-2	1,2-Dichloroethane	50.	U
79-01-6	Trichloroethene	300.	
78-87-5	1,2-Dichloropropane	50.	U
74-95-3	Dibromomethane	50.	U
75-27-4	Bromodichloromethane	50.	U
10061-01-5	cis-1,3-dichloropropene	50.	U
108-88-3	Toluene	50.	U
108-10-1	4-Methyl-2-pentanone	130.	U
10061-02-6	trans-1,3-Dichloropropene	50.	U
127-18-4	Tetrachloroethene	110.	
79-00-5	1,1,2-Trichloroethane	50.	U
142-28-9	1,3-Dichloropropane	50.	U
591-78-6	2-Hexanone	130.	U

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S04

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S04

Sample wt/vol: 0.2 (g/mL) mL Lab File ID: >AG025

Level: (low/med) LOW Date Received: 12/04/92

% Moisture: not dec.---- Date Analyzed: 12/09/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	50.	U	
106-93-4	1,2-Dibromoethane	50.	U	
108-90-7	Chlorobenzene	50.	U	
630-20-6	1,1,1,2-Tetrachloroethane	50.	U	
100-41-4	Ethylbenzene	50.	U	
1083836423	m &/or p-Xylene	50.	U	
95-47-6	o-Xylene	50.	U	
100-42-5	Styrene	50.	U	
75-25-2	Bromoform	50.	U	
98-82-8	Isopropylbenzene	50.	U	
108-86-1	Bromobenzene	50.	U	
96-18-4	1,2,3-Trichloropropane	50.	U	
79-34-5	1,1,2,2-Tetrachloroethane	50.	UJ	M7
103-65-1	n-Propylbenzene	50.	U	
95-49-8	2-Chlorotoluene	50.	U	
106-43-4	4-Chlorotoluene	50.	U	
108-67-8	1,3,5-Trimethylbenzene	50.	U	
98-06-6	tert-Butylbenzene	50.	U	
95-63-6	1,2,4-Trimethylbenzene	50.	U	
135-98-8	sec-Butylbenzene	50.	U	
541-73-1	1,3-Dichlorobenzene	50.	U	
106-46-7	1,4-Dichlorobenzene	50.	U	
99-87-6	p-Isopropyltoluene	50.	U	
95-50-1	1,2-Dichlorobenzene	50.	U	
104-51-8	n-Butylbenzene	50.	U	
96-12-8	1,2-Dibromo-3-chloropropane	50.	UJ	M7
120-82-1	1,2,4-Trichlorobenzene	50.	U	
91-20-3	Naphthalene	50.	U	
87-68-3	Hexachlorobutadiene	50.	U	
87-61-6	1,2,3-Trichlorobenzene	50.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

121092BLK1

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: METHOD BLANK

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG032

Level: (low/med) LOW Date Received: 12/03/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	U
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	2.	U
78-93-3	2-Butanone	7.	JB
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

NF 1/20/93

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

121092BLK1

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: METHOD BLANK

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG032

Level: (low/med) LOW Date Received: 12/03/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
124-48-1	Dibromochloromethane	2.	U
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	2.	U
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	2.	U
1083836423	m &/or p-Xylene	2.	U
95-47-6	o-Xylene	2.	U
100-42-5	Styrene	2.	U
75-25-2	Bromoform	2.	U
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	U
79-34-5	1,1,2,2-Tetrachloroethane	2.	U
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	U
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	U
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	U
96-12-8	1,2-Dibromo-3-chloropropane	2.	U
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	.9	J
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

MT 1/25/93

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S01

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S01

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG034

Level: (low/med) LOW Date Received: 12/03/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane	3.	U	
74-87-3	Chloromethane	3.	U	
75-01-4	Vinyl chloride	3.	U	
74-83-9	Bromomethane	3.	U	
75-00-3	Chloroethane	3.	U	
75-69-4	Trichlorofluoromethane	3.	U	
107-64-1	Acrolein	10.	UJ	1/25/93
75-35-4	1,1-Dichloroethene	2.	U	
67-64-1	Acetone	10.	U	
75-15-0	Carbon disulfide	2.	U	
75-09-2	Methylene chloride	2.	U	
156-60-5	trans-1,2-Dichloroethene	2.	U	
107-13-1	Acrylonitrile	10.	U	
75-34-3	1,1-Dichloroethane	4.		
108-05-4	Vinylacetate	10.	UJ	
594-20-7	2,2-Dichloropropane	2.	U	
156-59-2	cis-1,2-Dichloroethene	6.		
78-93-3	2-Butanone	10.	UJ	
74-97-5	Bromochloromethane	2.	U	
67-66-3	Chloroform	2.	U	
71-55-6	1,1,1-trichloroethane	2.	U	
56-23-5	Carbon tetrachloride	2.	U	
563-58-6	1,1-Dichloropropene	2.	U	
71-43-2	Benzene	2.	U	
107-06-2	1,2-Dichloroethane	2.	U	
79-01-6	Trichloroethene	2.	U	
78-87-5	1,2-Dichloropropane	2.	U	
74-95-3	Dibromomethane	2.	U	
75-27-4	Bromodichloromethane	2.	U	
10061-01-5	cis-1,3-dichloropropene	2.	U	
108-88-3	Toluene	2.	U	
108-10-1	4-Methyl-2-pentanone	5.	UJ	
10061-02-6	trans-1,3-Dichloropropene	2.	U	
127-18-4	Tetrachloroethene	2.	U	
79-00-5	1,1,2-Trichloroethane	2.	U	
142-28-9	1,3-Dichloropropane	2.	U	
591-78-6	2-Hexanone	5.	UJ	

Are there any TICs ? (Please check a box) YES |__| NO |✓|

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S01

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S01

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG034

Level: (low/med) LOW Date Received: 12/03/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	2.	U	
106-93-4	1,2-Dibromoethane	2.	U	
108-90-7	Chlorobenzene	2.	U	
630-20-6	1,1,1,2-Tetrachloroethane	2.	U	
100-41-4	Ethylbenzene	2.	U	
1083836423	m &/or p-Xylene	2.	U	
95-47-6	o-Xylene	2.	U	
100-42-5	Styrene	2.	U	
75-25-2	Bromoform	2.	U	
98-82-8	Isopropylbenzene	2.	U	
108-86-1	Bromobenzene	2.	U	
96-18-4	1,2,3-Trichloropropane	2.	U	
79-34-5	1,1,2,2-Tetrachloroethane	2.	UJ	117
103-65-1	n-Propylbenzene	2.	U	
95-49-8	2-Chlorotoluene	2.	U	
106-43-4	4-Chlorotoluene	2.	U	
108-67-8	1,3,5-Trimethylbenzene	2.	U	
98-06-6	tert-Butylbenzene	2.	U	
95-63-6	1,2,4-Trimethylbenzene	2.	U	
135-98-8	sec-Butylbenzene	2.	U	
541-73-1	1,3-Dichlorobenzene	2.	U	
106-46-7	1,4-Dichlorobenzene	2.	U	
99-87-6	p-Isopropyltoluene	2.	U	
95-50-1	1,2-Dichlorobenzene	2.	U	
104-51-8	n-Butylbenzene	2.	U	
96-12-8	1,2-Dibromo-3-chloropropane	2.	UJ	117
120-82-1	1,2,4-Trichlorobenzene	2.	U	
91-20-3	Naphthalene	2.	UJ	117.
87-68-3	Hexachlorobutadiene	2.	U	
87-61-6	1,2,3-Trichlorobenzene	2.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S02

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S02

Sample wt/vol: 0.2 (g/mL) mL Lab File ID: >AG035

Level: (low/med) LOW Date Received: 12/03/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane	75.	U	
74-87-3	Chloromethane	75.	U	
75-01-4	Vinyl chloride	75.	U	
74-83-9	Bromomethane	75.	U	
75-00-3	Chloroethane	75.	U	
75-69-4	Trichlorofluoromethane	75.	U	
107-64-1	Acrolein	250.	UJ	1/28/93
75-35-4	1,1-Dichloroethene	200.		
67-64-1	Acetone	250.	U	
75-15-0	Carbon disulfide	50.	U	
75-09-2	Methylene chloride	50.	U	
156-60-5	trans-1,2-Dichloroethene	50.	U	
107-13-1	Acrylonitrile	250.	U	
75-34-3	1,1-Dichloroethane	380.		
108-05-4	Vinylacetate	250.	U	
594-20-7	2,2-Dichloropropane	50.	U	
156-59-2	cis-1,2-Dichloroethene	1000.		
78-93-3	2-Butanone	90.	JB	
74-97-5	Bromochloromethane	50.	U	
67-66-3	Chloroform	50.	U	
71-55-6	1,1,1-trichloroethane	2100.		
56-23-5	Carbon tetrachloride	380.		
563-58-6	1,1-Dichloropropene	50.	U	
71-43-2	Benzene	50.	U	
107-06-2	1,2-Dichloroethane	50.	U	
79-01-6	Trichloroethene	580.		
78-87-5	1,2-Dichloropropane	50.	U	
74-95-3	Dibromomethane	50.	U	
75-27-4	Bromodichloromethane	50.	U	
10061-01-5	cis-1,3-dichloropropene	50.	U	
108-88-3	Toluene	50.	U	
108-10-1	4-Methyl-2-pentanone	130.	UJ	
10061-02-6	trans-1,3-Dichloropropene	50.	U	
127-18-4	Tetrachloroethene	280.		
79-00-5	1,1,2-Trichloroethane	50.	U	
142-28-9	1,3-Dichloropropane	50.	U	
591-78-6	2-Hexanone	130.	UJ	

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S02

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S02

Sample wt/vol: 0.2 (g/mL) mL Lab File ID: >AG035

Level: (low/med) LOW Date Received: 12/03/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	50.	U	
106-93-4	1,2-Dibromoethane	50.	U	
108-90-7	Chlorobenzene	50.	U	
630-20-6	1,1,1,2-Tetrachloroethane	50.	U	
100-41-4	Ethylbenzene	50.	U	
1083836423	m &/or p-Xylene	50.	U	
95-47-6	o-Xylene	50.	U	
100-42-5	Styrene	50.	U	
75-25-2	Bromoform	50.	U	
98-82-8	Isopropylbenzene	50.	U	
108-86-1	Bromobenzene	50.	U	
96-18-4	1,2,3-Trichloropropane	50.	U	
79-34-5	1,1,2,2-Tetrachloroethane	50.	UJ	NF
103-65-1	n-Propylbenzene	50.	U	
95-49-8	2-Chlorotoluene	50.	U	
106-43-4	4-Chlorotoluene	50.	U	
108-67-8	1,3,5-Trimethylbenzene	50.	U	
98-06-6	tert-Butylbenzene	50.	U	
95-63-6	1,2,4-Trimethylbenzene	50.	U	
135-98-8	sec-Butylbenzene	50.	U	
541-73-1	1,3-Dichlorobenzene	50.	U	
106-46-7	1,4-Dichlorobenzene	50.	U	
99-87-6	p-Isopropyltoluene	50.	U	
95-50-1	1,2-Dichlorobenzene	50.	U	
104-51-8	n-Butylbenzene	50.	U	
96-12-8	1,2-Dibromo-3-chloropropane	50.	UJ	NF
120-82-1	1,2,4-Trichlorobenzene	50.	U	
91-20-3	Naphthalene	50.	UJ	NF
87-68-3	Hexachlorobutadiene	50.	U	
87-61-6	1,2,3-Trichlorobenzene	50.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01D02

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01D02

Sample wt/vol: 0.2 (g/mL) mL Lab File ID: >AG038

Level: (low/med) LOW Date Received: 12/03/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane	75.	U	
74-87-3	Chloromethane	75.	U	
75-01-4	Vinyl chloride	75.	U	
74-83-9	Bromomethane	75.	U	
75-00-3	Chloroethane	75.	U	
75-69-4	Trichlorofluoromethane	75.	U	
107-64-1	Acrolein	250.	UJ	1/23/93
75-35-4	1,1-Dichloroethene	140.		
67-64-1	Acetone	250.	U	
75-15-0	Carbon disulfide	50.	U	
75-09-2	Methylene chloride	50.	U	
156-60-5	trans-1,2-Dichloroethene	50.	U	
107-13-1	Acrylonitrile	250.	U	
75-34-3	1,1-Dichloroethane	280.		
108-05-4	Vinylacetate	250.	U	
594-20-7	2,2-Dichloropropane	50.	U	
156-59-2	cis-1,2-Dichloroethene	730.		
78-93-3	2-Butanone	77.	JB	
74-97-5	Bromochloromethane	50.	U	
67-66-3	Chloroform	50.	U	
71-55-6	1,1,1-trichloroethane	1500.		
56-23-5	Carbon tetrachloride	270.		
563-58-6	1,1-Dichloropropene	50.	U	
71-43-2	Benzene	50.	U	
107-06-2	1,2-Dichloroethane	50.	U	
79-01-6	Trichloroethene	420.		
78-87-5	1,2-Dichloropropane	50.	U	
74-95-3	Dibromomethane	50.	U	
75-27-4	Bromodichloromethane	50.	U	
10061-01-5	cis-1,3-dichloropropene	50.	U	
108-88-3	Toluene	50.	U	
108-10-1	4-Methyl-2-pentanone	130.	UJ	
10061-02-6	trans-1,3-Dichloropropene	50.	U	
127-18-4	Tetrachloroethene	190.		
79-00-5	1,1,2-Trichloroethane	50.	U	
142-28-9	1,3-Dichloropropane	50.	U	
591-78-6	2-Hexanone	130.	UJ	

Are there any TICs ? (Please check a box) YES |__| NO |✓|

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01D02

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01D02

Sample wt/vol: 0.2 (g/mL) mL Lab File ID: >AG038

Level: (low/med) LOW Date Received: 12/03/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	50.	U	
106-93-4	1,2-Dibromoethane	50.	U	
108-90-7	Chlorobenzene	50.	U	
630-20-6	1,1,1,2-Tetrachloroethane	50.	U	
100-41-4	Ethylbenzene	50.	U	
1083836423	m &/or p-Xylene	50.	U	
95-47-6	o-Xylene	50.	U	
100-42-5	Styrene	50.	U	
75-25-2	Bromoform	50.	U	
98-82-8	Isopropylbenzene	50.	U	
108-86-1	Bromobenzene	50.	U	
96-18-4	1,2,3-Trichloropropane	50.	U	
79-34-5	1,1,2,2-Tetrachloroethane	50.	UJ	117
103-65-1	n-Propylbenzene	50.	U	
95-49-8	2-Chlorotoluene	50.	U	
106-43-4	4-Chlorotoluene	50.	U	
108-67-8	1,3,5-Trimethylbenzene	50.	U	
98-06-6	tert-Butylbenzene	50.	U	
95-63-6	1,2,4-Trimethylbenzene	50.	U	
135-98-8	sec-Butylbenzene	50.	U	
541-73-1	1,3-Dichlorobenzene	50.	U	
106-46-7	1,4-Dichlorobenzene	50.	U	
99-87-6	p-Isopropyltoluene	50.	U	
95-50-1	1,2-Dichlorobenzene	50.	U	
104-51-8	n-Butylbenzene	50.	U	
96-12-8	1,2-Dibromo-3-chloropropane	50.	UJ	117
120-82-1	1,2,4-Trichlorobenzene	50.	U	
91-20-3	Naphthalene	50.	UJ	117
87-68-3	Hexachlorobutadiene	50.	U	
87-61-6	1,2,3-Trichlorobenzene	50.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S04

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S04

Sample wt/vol: 0.250 (g/mL) mL Lab File ID: >AG039

Level: (low/med) LOW Date Received: 12/04/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane	60.	U	
74-87-3	Chloromethane	60.	U	
75-01-4	Vinyl chloride	60.	U	
74-83-9	Bromomethane	60.	U	
75-00-3	Chloroethane	60.	U	
75-69-4	Trichlorofluoromethane	60.	U	
107-64-1	Acrolein	200.	UJ	1/23/93
75-35-4	1,1-Dichloroethene	100.		
67-64-1	Acetone	200.	U	
75-15-0	Carbon disulfide	40.	U	
75-09-2	Methylene chloride	40.	U	
156-60-5	trans-1,2-Dichloroethene	40.	U	
107-13-1	Acrylonitrile	200.	U	
75-34-3	1,1-Dichloroethane	210.		
108-05-4	Vinylacetate	200.	U	
594-20-7	2,2-Dichloropropane	40.	U	
156-59-2	cis-1,2-Dichloroethene	380.		
78-93-3	2-Butanone	33.	JB	
74-97-5	Bromochloromethane	40.	U	
67-66-3	Chloroform	40.	U	
71-55-6	1,1,1-trichloroethane	980.		
56-23-5	Carbon tetrachloride	170.		
563-58-6	1,1-Dichloropropene	40.	U	
71-43-2	Benzene	40.	U	
107-06-2	1,2-Dichloroethane	40.	U	
79-01-6	Trichloroethene	250.		
78-87-5	1,2-Dichloropropane	40.	U	
74-95-3	Dibromomethane	40.	U	
75-27-4	Bromodichloromethane	40.	U	
10061-01-5	cis-1,3-dichloropropene	40.	U	
108-88-3	Toluene	40.	U	
108-10-1	4-Methyl-2-pentanone	100.	UJ	
10061-02-6	trans-1,3-Dichloropropene	40.	U	
127-18-4	Tetrachloroethene	95.		
79-00-5	1,1,2-Trichloroethane	40.	U	
142-28-9	1,3-Dichloropropane	40.	U	
591-78-6	2-Hexanone	100.	UJ	

Are there any TICs ? (Please check a box) YES |__| NO |✓|

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S04

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S04

Sample wt/vol: 0.250 (g/mL) mL Lab File ID: >AG039

Level: (low/med) LOW Date Received: 12/04/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	40.	U	
106-93-4	1,2-Dibromoethane	40.	U	
108-90-7	Chlorobenzene	40.	U	
630-20-6	1,1,1,2-Tetrachloroethane	40.	U	
100-41-4	Ethylbenzene	40.	U	
1083836423	m &/or p-Xylene	40.	U	
95-47-6	o-Xylene	40.	U	
100-42-5	Styrene	40.	U	
75-25-2	Bromoform	40.	U	
98-82-8	Isopropylbenzene	40.	U	
108-86-1	Bromobenzene	40.	U	
96-18-4	1,2,3-Trichloropropane	40.	U	117
79-34-5	1,1,2,2-Tetrachloroethane	40.	UJ	
103-65-1	n-Propylbenzene	40.	U	
95-49-8	2-Chlorotoluene	40.	U	
106-43-4	4-Chlorotoluene	40.	U	
108-67-8	1,3,5-Trimethylbenzene	40.	U	
98-06-6	tert-Butylbenzene	40.	U	
95-63-6	1,2,4-Trimethylbenzene	40.	U	
135-98-8	sec-Butylbenzene	40.	U	
541-73-1	1,3-Dichlorobenzene	40.	U	
106-46-7	1,4-Dichlorobenzene	40.	U	
99-87-6	p-Isopropyltoluene	40.	U	
95-50-1	1,2-Dichlorobenzene	40.	U	
104-51-8	n-Butylbenzene	40.	U	
96-12-8	1,2-Dibromo-3-chloropropane	40.	UJ	117
120-82-1	1,2,4-Trichlorobenzene	40.	U	
91-20-3	Naphthalene	40.	UJ	117
87-68-3	Hexachlorobutadiene	40.	U	
87-61-6	1,2,3-Trichlorobenzene	40.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01D04

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01D04

Sample wt/vol: 0.250 (g/mL) mL Lab File ID: >AG040

Level: (low/med) LOW Date Received: 12/04/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane	60.	U	
74-87-3	Chloromethane	60.	U	
75-01-4	Vinyl chloride	60.	U	
74-83-9	Bromomethane	60.	U	
75-00-3	Chloroethane	60.	U	
75-69-4	Trichlorofluoromethane	60.	U	
107-64-1	Acrolein	200.	UJ	MT 1/25/93
75-35-4	1,1-Dichloroethene	93.		
67-64-1	Acetone	200.	U	
75-15-0	Carbon disulfide	40.	U	
75-09-2	Methylene chloride	40.	U	
156-60-5	trans-1,2-Dichloroethene	40.	U	
107-13-1	Acrylonitrile	200.	U	
75-34-3	1,1-Dichloroethane	200.		
108-05-4	Vinylacetate	200.	U	
594-20-7	2,2-Dichloropropane	40.	U	
156-59-2	cis-1,2-Dichloroethene	390.		
78-93-3	2-Butanone	46.	JB	
74-97-5	Bromochloromethane	40.	U	
67-66-3	Chloroform	40.	U	
71-55-6	1,1,1-trichloroethane	960.		
56-23-5	Carbon tetrachloride	180.		
563-58-6	1,1-Dichloropropene	40.	U	
71-43-2	Benzene	40.	U	
107-06-2	1,2-Dichloroethane	40.	U	
79-01-6	Trichloroethene	260.		
78-87-5	1,2-Dichloropropane	40.	U	
74-95-3	Dibromomethane	40.	U	
75-27-4	Bromodichloromethane	40.	U	
10061-01-5	cis-1,3-dichloropropene	40.	U	
108-88-3	Toluene	40.	U	
108-10-1	4-Methyl-2-pentanone	100.	UJ	MT
10061-02-6	trans-1,3-Dichloropropene	40.	U	
127-18-4	Tetrachloroethene	89.		
79-00-5	1,1,2-Trichloroethane	40.	U	
142-28-9	1,3-Dichloropropane	40.	U	
591-78-6	2-Hexanone	100.	UJ	MT

Are there any TICs ? (Please check a box) YES |__| NO |✓|

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01D04

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01D04

Sample wt/vol: 0.250 (g/mL) mL Lab File ID: >AG040

Level: (low/med) LOW Date Received: 12/04/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	40.	U	
106-93-4	1,2-Dibromoethane	40.	U	
108-90-7	Chlorobenzene	40.	U	
630-20-6	1,1,1,2-Tetrachloroethane	40.	U	
100-41-4	Ethylbenzene	40.	U	
1083836423	m &/or p-Xylene	40.	U	
95-47-6	o-Xylene	40.	U	
100-42-5	Styrene	40.	U	
75-25-2	Bromoform	40.	U	
98-82-8	Isopropylbenzene	40.	U	
108-86-1	Bromobenzene	40.	U	
96-18-4	1,2,3-Trichloropropane	40.	U	117
79-34-5	1,1,2,2-Tetrachloroethane	40.	UJ	
103-65-1	n-Propylbenzene	40.	U	
95-49-8	2-Chlorotoluene	40.	U	
106-43-4	4-Chlorotoluene	40.	U	
108-67-8	1,3,5-Trimethylbenzene	40.	U	
98-06-6	tert-Butylbenzene	40.	U	
95-63-6	1,2,4-Trimethylbenzene	40.	U	
135-98-8	sec-Butylbenzene	40.	U	
541-73-1	1,3-Dichlorobenzene	40.	U	
106-46-7	1,4-Dichlorobenzene	40.	U	
99-87-6	p-Isopropyltoluene	40.	U	
95-50-1	1,2-Dichlorobenzene	40.	U	
104-51-8	n-Butylbenzene	40.	U	
96-12-8	1,2-Dibromo-3-chloropropane	40.	UJ	117
120-82-1	1,2,4-Trichlorobenzene	40.	U	
91-20-3	Naphthalene	40.	UJ	117
87-68-3	Hexachlorobutadiene	40.	U	
87-61-6	1,2,3-Trichlorobenzene	40.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S05

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S05

Sample wt/vol: 0.250 (g/mL) mL Lab File ID: >AG041

Level: (low/med) LOW Date Received: 12/07/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane	60.	U	
74-87-3	Chloromethane	60.	U	
75-01-4	Vinyl chloride	60.	U	
74-83-9	Bromomethane	60.	U	
75-00-3	Chloroethane	60.	U	
75-69-4	Trichlorofluoromethane	60.	U	
107-64-1	Acrolein	200.	UJ	117 11/25/93
75-35-4	1,1-Dichloroethene	92.		
67-64-1	Acetone	200.	U	
75-15-0	Carbon disulfide	40.	U	
75-09-2	Methylene chloride	40.	U	
156-60-5	trans-1,2-Dichloroethene	40.	U	
107-13-1	Acrylonitrile	200.	U	
75-34-3	1,1-Dichloroethane	210.		
108-05-4	Vinylacetate	200.	U	
594-20-7	2,2-Dichloropropane	40.	U	
156-59-2	cis-1,2-Dichloroethene	380.		
78-93-3	2-Butanone	49.	JB	
74-97-5	Bromochloromethane	40.	U	
67-66-3	Chloroform	40.	U	
71-55-6	1,1,1-trichloroethane	970.		
56-23-5	Carbon tetrachloride	170.		
563-58-6	1,1-Dichloropropene	40.	U	
71-43-2	Benzene	40.	U	
107-06-2	1,2-Dichloroethane	40.	U	
79-01-6	Trichloroethene	260.		
78-87-5	1,2-Dichloropropane	40.	U	
74-95-3	Dibromomethane	40.	U	
75-27-4	Bromodichloromethane	40.	U	
10061-01-5	cis-1,3-dichloropropene	40.	U	
108-88-3	Toluene	40.	U	
108-10-1	4-Methyl-2-pentanone	100.	U	
10061-02-6	trans-1,3-Dichloropropene	40.	UJ	117
127-18-4	Tetrachloroethene	91.		
79-00-5	1,1,2-Trichloroethane	40.	U	
142-28-9	1,3-Dichloropropane	40.	U	
591-78-6	2-Hexanone	100.	UJ	117

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S05

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S05

Sample wt/vol: 0.250 (g/mL) mL Lab File ID: >AG041

Level: (low/med) LOW Date Received: 12/07/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	40.	U	
106-93-4	1,2-Dibromoethane	40.	U	
108-90-7	Chlorobenzene	40.	U	
630-20-6	1,1,1,2-Tetrachloroethane	40.	U	
100-41-4	Ethylbenzene	40.	U	
1083836423	m &/or p-Xylene	40.	U	
95-47-6	o-Xylene	40.	U	
100-42-5	Styrene	40.	U	
75-25-2	Bromoform	40.	U	
98-82-8	Isopropylbenzene	40.	U	
108-86-1	Bromobenzene	40.	U	
96-18-4	1,2,3-Trichloropropane	40.	U	
79-34-5	1,1,2,2-Tetrachloroethane	40.	UJ	NF
103-65-1	n-Propylbenzene	40.	U	
95-49-8	2-Chlorotoluene	40.	U	
106-43-4	4-Chlorotoluene	40.	U	
108-67-8	1,3,5-Trimethylbenzene	40.	U	
98-06-6	tert-Butylbenzene	40.	U	
95-63-6	1,2,4-Trimethylbenzene	40.	U	
135-98-8	sec-Butylbenzene	40.	U	
541-73-1	1,3-Dichlorobenzene	40.	U	
106-46-7	1,4-Dichlorobenzene	40.	U	
99-87-6	p-Isopropyltoluene	40.	U	
95-50-1	1,2-Dichlorobenzene	40.	U	
104-51-8	n-Butylbenzene	40.	U	
96-12-8	1,2-Dibromo-3-chloropropane	40.	UJ	NF
120-82-1	1,2,4-Trichlorobenzene	40.	U	
91-20-3	Naphthalene	40.	UJ	NF
87-68-3	Hexachlorobutadiene	40.	U	
87-61-6	1,2,3-Trichlorobenzene	40.	U	

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01D05

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01D05

Sample wt/vol: 0.250 (g/mL) mL Lab File ID: >AG042

Level: (low/med) LOW Date Received: 12/07/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-71-8	Dichlorodifluoromethane	60.	U	
74-87-3	Chloromethane	60.	U	
75-01-4	Vinyl chloride	60.	U	
74-83-9	Bromomethane	60.	U	
75-00-3	Chloroethane	60.	U	
75-69-4	Trichlorofluoromethane	60.	U	
107-64-1	Acrolein	200.	UJ	MT 1/25/93
75-35-4	1,1-Dichloroethene	100.		
67-64-1	Acetone	200.	U	
75-15-0	Carbon disulfide	40.	U	
75-09-2	Methylene chloride	40.	U	
156-60-5	trans-1,2-Dichloroethene	40.	U	
107-13-1	Acrylonitrile	200.	U	
75-34-3	1,1-Dichloroethane	230.		
108-05-4	Vinylacetate	200.	U	
594-20-7	2,2-Dichloropropane	40.	U	
156-59-2	cis-1,2-Dichloroethene	420.		
78-93-3	2-Butanone	72.	JB	
74-97-5	Bromochloromethane	40.	U	
67-66-3	Chloroform	40.	U	
71-55-6	1,1,1-Trichloroethane	1100.		
56-23-5	Carbon tetrachloride	200.		
563-58-6	1,1-Dichloropropene	40.	U	
71-43-2	Benzene	40.	U	
107-06-2	1,2-Dichloroethane	40.	U	
79-01-6	Trichloroethene	280.		
78-87-5	1,2-Dichloropropane	40.	U	
74-95-3	Dibromomethane	40.	U	
75-27-4	Bromodichloromethane	40.	U	
10061-01-5	cis-1,3-Dichloropropene	40.	U	
108-88-3	Toluene	40.	U	
108-10-1	4-Methyl-2-pentanone	100.	UJ	MT
10061-02-6	trans-1,3-Dichloropropene	40.	U	
127-18-4	Tetrachloroethene	100.		
79-00-5	1,1,2-Trichloroethane	40.	U	
142-28-9	1,3-Dichloropropane	40.	U	
591-78-6	2-Hexanone	100.	UJ	MT

Are there any TICs ? (Please check a box) YES |__| NO |✓|

1A-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01D05

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: [illegible]-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01D05

Sample wt/vol: 0.250 (g/mL) mL Lab File ID: >AG042

Level: (low/med) LOW Date Received: 12/07/92

% Moisture: not dec.---- Date Analyzed: 12/10/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	40.	U	
106-93-4	1,2-Dibromoethane	40.	U	
108-90-7	Chlorobenzene	40.	U	
630-20-6	1,1,1,2-Tetrachloroethane	40.	U	
100-41-4	Ethylbenzene	40.	U	
1083836423	m &/or p-Xylene	40.	U	
95-47-6	o-Xylene	40.	U	
100-42-5	Styrene	40.	U	
75-25-2	Bromoform	40.	U	
98-82-8	Isopropylbenzene	40.	U	
108-86-1	Bromobenzene	40.	U	
96-18-4	1,2,3-Trichloropropane	40.	U	NF
79-34-5	1,1,2,2-Tetrachloroethane	40.	UJ	
103-65-1	n-Propylbenzene	40.	U	
95-49-8	2-Chlorotoluene	40.	U	
106-43-4	4-Chlorotoluene	40.	U	
108-67-8	1,3,5-Trimethylbenzene	40.	U	
98-06-6	tert-Butylbenzene	40.	U	
95-63-6	1,2,4-Trimethylbenzene	40.	U	
135-98-8	sec-Butylbenzene	40.	U	
541-73-1	1,3-Dichlorobenzene	40.	U	
106-46-7	1,4-Dichlorobenzene	40.	U	
99-87-6	p-Isopropyltoluene	40.	U	
95-50-1	1,2-Dichlorobenzene	40.	U	
104-51-8	n-Butylbenzene	40.	U	
96-12-8	1,2-Dibromo-3-chloropropane	40.	UJ	NF
120-82-1	1,2,4-Trichlorobenzene	40.	U	
91-20-3	Naphthalene	40.	UJ	NF
87-68-3	Hexachlorobutadiene	40.	U	
87-61-6	1,2,3-Trichlorobenzene	40.	U	

Data Qualifiers: U = Compound was analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = [illegible] rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1210BLK2

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1077 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 1210BLK2

Sample wt/vol: 20.0 (g/mL) ML Lab File ID: 1210BLK2

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: not dec. Date Analyzed: 12/10/92

Column: (pack/cap) PACK Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	3	U
74-83-9	Bromomethane	3	U
75-01-4	Vinyl Chloride	3	U
75-00-3	Chloroethane	0.5	J
75-09-2	Methylene Chloride	1	U
67-64-1	Acetone	0.8	J
107-02-8	Acrolein	75	U
75-15-0	Carbon Disulfide	2	U
107-13-1	Acrylonitrile	50	U
75-35-4	1,1-Dichloroethene	1	U
75-35-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (total)	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	3	J
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
108-05-4	Vinyl acetate	10	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
110-75-8	2-Chloroethylvinylether	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	4	U
591-78-6	2-Hexanone	4	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	2	U
108-38-3	M-Xylene	2	U
95-47-6	O-&/or P-Xylene	2	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

1210BLK2

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1077 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 1210BLK2

Sample wt/vol: _____ (g/mL) ML Lab File ID: 1210BLK2

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: not dec. ____ Date Analyzed: 12/10/92

Column (pack/cap) PACK Dilution Factor: 1

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

92SV01R05

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1077 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 92SV01R05

Sample wt/vol: 20.0 _____ (g/mL) ML Lab File ID: 1077R05

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec. ____ Date Analyzed: 12/10/92

Column: (pack/cap) PACK Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	3	U	
74-83-9	Bromomethane	3	UJ	NF 1/25/93
75-01-4	Vinyl Chloride	3	U	
75-00-3	Chloroethane	3	U	
75-09-2	Methylene Chloride	0.6	J	
67-64-1	Acetone	2	BJ	
107-02-8	Acrolein	4	J	
75-15-0	Carbon Disulfide	2	U	
107-13-1	Acrylonitrile	50	UJ	NF
75-35-4	1,1-Dichloroethene	1	U	
75-35-3	1,1-Dichloroethane	1	UJ	
540-59-0	1,2-Dichloroethene (total)	1	U	NF
67-66-3	Chloroform	1	U	
107-06-2	1,2-Dichloroethane	2	U	
78-93-3	2-Butanone	4	BJ	NF
71-55-6	1,1,1-Trichloroethane	1	U	
56-23-5	Carbon Tetrachloride	1	U	
108-05-4	Vinyl acetate	10	UJ	NF
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	
110-75-8	2-Chloroethylvinylether	1	U	
75-25-2	Bromoform	1	U	
108-10-1	4-Methyl-2-Pentanone	4	U	
591-78-6	2-Hexanone	4	U	
127-18-4	Tetrachloroethene	1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1	U	
108-88-3	Toluene	1	U	
108-90-7	Chlorobenzene	1	U	
100-41-4	Ethylbenzene	1	U	
100-42-5	Styrene	2	U	
108-38-3	M-Xylene	2	U	
95-47-6	O-&/or P-Xylene	2	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

92SV01R05

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1077 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 92SV01R05

Sample wt/vol: _____ (g/mL) ML Lab File ID: 1077R05

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec. ____ Date Analyzed: 12/10/92

Column (pack/cap) PACK Dilution Factor: 1

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

92SV01R06

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1077 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 92SV01R06

Sample wt/vol: 20.0 _____ (g/mL) ML Lab File ID: 1077R06

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: not dec. ____ Date Analyzed: 12/10/92

Column: (pack/cap) PACK Dilution Factor: 1

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

CAS NO.	COMPOUND		Q	
74-87-3	Chloromethane	1	J	NF
74-83-9	Bromomethane	3	UJ	1/25/93
75-01-4	Vinyl Chloride	3	U	
75-00-3	Chloroethane	0.8	BJ	
75-09-2	Methylene Chloride	1	U	
67-64-1	Acetone	3	BJ	
107-02-8	Acrolein	3	J	
75-15-0	Carbon Disulfide	2	U	
107-13-1	Acrylonitrile	50	UJ	NF
75-35-4	1,1-Dichloroethene	1	U	NF
75-35-3	1,1-Dichloroethane	1	UJ	
540-59-0	1,2-Dichloroethene (total)	1	U	
67-66-3	Chloroform	1	U	
107-06-2	1,2-Dichloroethane	2	U	
78-93-3	2-Butanone	2	BJ	
71-55-6	1,1,1-Trichloroethane	1	U	
56-23-5	Carbon Tetrachloride	1	U	
108-05-4	Vinyl acetate	10	UJ	NF
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	
110-75-8	2-Chloroethylvinylether	1	U	
75-25-2	Bromoform	1	U	
108-10-1	4-Methyl-2-Pentanone	4	U	
591-78-6	2-Hexanone	4	U	
127-18-4	Tetrachloroethene	1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1	U	
108-88-3	Toluene	1	U	
108-90-7	Chlorobenzene	1	U	
100-41-4	Ethylbenzene	1	U	
100-42-5	Styrene	2	U	
108-38-3	M-Xylene	2	U	
95-47-6	O-&/or P-Xylene	2	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

92SV01R06

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1077 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 92SV01R06

Sample wt/vol: _____ (g/mL) ML Lab File ID: 1077R06

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: not dec. ____ Date Analyzed: 12/10/92

Column (pack/cap) PACK Dilution Factor: 1

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

121492BLK2

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: METHOD BLANK

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG047

Level: (low/med) LOW Date Received: 12/08/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	2.	JB
75-15-0	Carbon disulfide	2.	JB
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	U
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	2.	U
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	1.	JB
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

NF NF 1/25/93

NF

Are there any TICs ? (Please check a box) YES |__| NO |✓|

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

121492BLK2

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: METHOD BLANK

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG047

Level: (low/med) LOW Date Received: 12/08/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
124-48-1	Dibromochloromethane	2.	U
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	2.	U
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	2.	U
1083836423	m &/or p-Xylene	2.	U
95-47-6	o-Xylene	2.	U
100-42-5	Styrene	3.	*
75-25-2	Bromoform	2.	U
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	U
79-34-5	1,1,2,2-Tetrachloroethane	2.	U
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	U
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	U
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	U
96-12-8	1,2-Dibromo-3-chloropropane	2.	U
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	2.	U
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

NT

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S07

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S07

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG050

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	75.	U
74-87-3	Chloromethane	75.	U
75-01-4	Vinyl chloride	75.	U
74-83-9	Bromomethane	75.	U
75-00-3	Chloroethane	75.	U
75-69-4	Trichlorofluoromethane	75.	U
107-64-1	Acrolein	250.	U
75-35-4	1,1-Dichloroethene	120.	
67-64-1	Acetone	250.	U
75-15-0	Carbon disulfide	50.	U
75-09-2	Methylene chloride	50.	U
156-60-5	trans-1,2-Dichloroethene	50.	U
107-13-1	Acrylonitrile	250.	U
75-34-3	1,1-Dichloroethane	230.	
108-05-4	Vinylacetate	250.	UJ
594-20-7	2,2-Dichloropropane	50.	U
156-59-2	cis-1,2-Dichloroethene	330.	
78-93-3	2-Butanone	250.	U
74-97-5	Bromochloromethane	50.	U
67-66-3	Chloroform	50.	U
71-55-6	1,1,1-trichloroethane	1300.	
56-23-5	Carbon tetrachloride	240.	
563-58-6	1,1-Dichloropropene	50.	U
71-43-2	Benzene	50.	U
107-06-2	1,2-Dichloroethane	50.	U
79-01-6	Trichloroethene	320.	
78-87-5	1,2-Dichloropropane	50.	U
74-95-3	Dibromomethane	50.	U
75-27-4	Bromodichloromethane	50.	U
10061-01-5	cis-1,3-dichloropropene	50.	U
108-88-3	Toluene	50.	U
108-10-1	4-Methyl-2-pentanone	130.	U
10061-02-6	trans-1,3-Dichloropropene	50.	U
127-18-4	Tetrachloroethene	150.	
79-00-5	1,1,2-Trichloroethane	50.	U
142-28-9	1,3-Dichloropropane	50.	U
591-78-6	2-Hexanone	130.	UJ

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S07

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S07

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG050

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
124-48-1	Dibromochloromethane	50.	U
106-93-4	1,2-Dibromoethane	50.	U
108-90-7	Chlorobenzene	50.	U
630-20-6	1,1,1,2-Tetrachloroethane	50.	U
100-41-4	Ethylbenzene	50.	U
1083836423	m &/or p-Xylene	50.	U
95-47-6	o-Xylene	50.	U
100-42-5	Styrene	50.	U
75-25-2	Bromoform	50.	U
98-82-8	Isopropylbenzene	50.	U
108-86-1	Bromobenzene	50.	U
96-18-4	1,2,3-Trichloropropane	50.	U
79-34-5	1,1,2,2-Tetrachloroethane	50.	UJ
103-65-1	n-Propylbenzene	50.	U
95-49-8	2-Chlorotoluene	50.	U
106-43-4	4-Chlorotoluene	50.	U
108-67-8	1,3,5-Trimethylbenzene	50.	U
98-06-6	tert-Butylbenzene	50.	U
95-63-6	1,2,4-Trimethylbenzene	50.	U
135-98-8	sec-Butylbenzene	50.	U
541-73-1	1,3-Dichlorobenzene	50.	U
106-46-7	1,4-Dichlorobenzene	50.	U
99-87-6	p-Isopropyltoluene	50.	U
95-50-1	1,2-Dichlorobenzene	50.	U
104-51-8	n-Butylbenzene	50.	U
96-12-8	1,2-Dibromo-3-chloropropane	50.	UJ
120-82-1	1,2,4-Trichlorobenzene	50.	U
91-20-3	Naphthalene	50.	U
87-68-3	Hexachlorobutadiene	50.	U
87-61-6	1,2,3-Trichlorobenzene	50.	U

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01D07

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01D07

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG051

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	75.	U
74-87-3	Chloromethane	75.	U
75-01-4	Vinyl chloride	75.	U
74-83-9	Bromomethane	75.	U
75-00-3	Chloroethane	75.	U
75-69-4	Trichlorofluoromethane	55.	J
107-64-1	Acrolein	250.	U
75-35-4	1,1-Dichloroethene	110.	
67-64-1	Acetone	250.	U
75-15-0	Carbon disulfide	50.	U
75-09-2	Methylene chloride	50.	U
156-60-5	trans-1,2-Dichloroethene	50.	U
107-13-1	Acrylonitrile	250.	U
75-34-3	1,1-Dichloroethane	230.	
108-05-4	Vinylacetate	250.	UJ
594-20-7	2,2-Dichloropropane	50.	U
156-59-2	cis-1,2-Dichloroethene	310.	
78-93-3	2-Butanone	48.	J
74-97-5	Bromochloromethane	50.	U
67-66-3	Chloroform	50.	U
71-55-6	1,1,1-trichloroethane	1300.	
56-23-5	Carbon tetrachloride	250.	
563-58-6	1,1-Dichloropropene	50.	U
71-43-2	Benzene	15.	JB
107-06-2	1,2-Dichloroethane	50.	U
79-01-6	Trichloroethene	330.	
78-87-5	1,2-Dichloropropane	50.	U
74-95-3	Dibromomethane	50.	U
75-27-4	Bromodichloromethane	50.	U
10061-01-5	cis-1,3-dichloropropene	50.	U
108-88-3	Toluene	50.	U
108-10-1	4-Methyl-2-pentanone	130.	U
10061-02-6	trans-1,3-Dichloropropene	50.	U
127-18-4	Tetrachloroethene	150.	
79-00-5	1,1,2-Trichloroethane	50.	U
142-28-9	1,3-Dichloropropane	50.	U
591-78-6	2-Hexanone	130.	UJ

MJ 1/25/93

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01D07

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01D07

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG051

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	50.	U	
106-93-4	1,2-Dibromoethane	50.	U	
108-90-7	Chlorobenzene	50.	U	
630-20-6	1,1,1,2-Tetrachloroethane	50.	U	
100-41-4	Ethylbenzene	50.	U	
1083836423	m &/or p-Xylene	50.	U	
95-47-6	o-Xylene	50.	U	
100-42-5	Styrene	20.	JB	
75-25-2	Bromoform	50.	U	
98-82-8	Isopropylbenzene	50.	U	
108-86-1	Bromobenzene	50.	U	
96-18-4	1,2,3-Trichloropropane	50.	U	
79-34-5	1,1,2,2-Tetrachloroethane	50.	UJ	NF
103-65-1	n-Propylbenzene	50.	U	
95-49-8	2-Chlorotoluene	50.	U	
106-43-4	4-Chlorotoluene	50.	U	
108-67-8	1,3,5-Trimethylbenzene	50.	U	
98-06-6	tert-Butylbenzene	50.	U	
95-63-6	1,2,4-Trimethylbenzene	50.	U	
135-98-8	sec-Butylbenzene	50.	U	
541-73-1	1,3-Dichlorobenzene	50.	U	
106-46-7	1,4-Dichlorobenzene	50.	U	
99-87-6	p-Isopropyltoluene	50.	U	
95-50-1	1,2-Dichlorobenzene	50.	U	
104-51-8	n-Butylbenzene	50.	U	
96-12-8	1,2-Dibromo-3-chloropropane	50.	UJ	NF
120-82-1	1,2,4-Trichlorobenzene	50.	U	
91-20-3	Naphthalene	50.	U	
87-68-3	Hexachlorobutadiene	50.	U	
87-61-6	1,2,3-Trichlorobenzene	50.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S08

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S08

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG052

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	75.	U
74-87-3	Chloromethane	75.	U
75-01-4	Vinyl chloride	75.	U
74-83-9	Bromomethane	75.	U
75-00-3	Chloroethane	75.	U
75-69-4	Trichlorofluoromethane	50.	J
107-64-1	Acrolein	250.	U
75-35-4	1,1-Dichloroethene	130.	
67-64-1	Acetone	49.	JB
75-15-0	Carbon disulfide	50.	U
75-09-2	Methylene chloride	50.	U
156-60-5	trans-1,2-Dichloroethene	50.	U
107-13-1	Acrylonitrile	250.	U
75-34-3	1,1-Dichloroethane	220.	
108-05-4	Vinylacetate	250.	UJ
594-20-7	2,2-Dichloropropane	50.	U
156-59-2	cis-1,2-Dichloroethene	420.	
78-93-3	2-Butanone	57.	J
74-97-5	Bromochloromethane	50.	U
67-66-3	Chloroform	50.	U
71-55-6	1,1,1-trichloroethane	1200.	
56-23-5	Carbon tetrachloride	220.	
563-58-6	1,1-Dichloropropene	50.	U
71-43-2	Benzene	11.	JB
107-06-2	1,2-Dichloroethane	50.	U
79-01-6	Trichloroethene	300.	
78-87-5	1,2-Dichloropropane	50.	U
74-95-3	Dibromomethane	50.	U
75-27-4	Bromodichloromethane	50.	U
10061-01-5	cis-1,3-dichloropropene	50.	U
108-88-3	Toluene	50.	U
108-10-1	4-Methyl-2-pentanone	130.	U
10061-02-6	trans-1,3-Dichloropropene	50.	U
127-18-4	Tetrachloroethene	120.	
79-00-5	1,1,2-Trichloroethane	50.	U
142-28-9	1,3-Dichloropropane	50.	U
591-78-6	2-Hexanone	130.	UJ

MF 1/25/93

MF

Are there any TICs ? (Please check a box) YES |__| NO |✓|

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S08

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S08

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG052

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	50.	U	
106-93-4	1,2-Dibromoethane	50.	U	
108-90-7	Chlorobenzene	50.	U	
630-20-6	1,1,1,2-Tetrachloroethane	50.	U	
100-41-4	Ethylbenzene	50.	U	
1083836423	m &/or p-Xylene	50.	U	
95-47-6	o-Xylene	50.	U	
100-42-5	Styrene	50.	U	
75-25-2	Bromoform	50.	U	
98-82-8	Isopropylbenzene	50.	U	
108-86-1	Bromobenzene	50.	U	
96-18-4	1,2,3-Trichloropropane	50.	U	
79-34-5	1,1,2,2-Tetrachloroethane	50.	UJ	MF
103-65-1	n-Propylbenzene	50.	U	
95-49-8	2-Chlorotoluene	50.	U	
106-43-4	4-Chlorotoluene	50.	U	
108-67-8	1,3,5-Trimethylbenzene	50.	U	
98-06-6	tert-Butylbenzene	50.	U	
95-63-6	1,2,4-Trimethylbenzene	50.	U	
135-98-8	sec-Butylbenzene	50.	U	
541-73-1	1,3-Dichlorobenzene	50.	U	
106-46-7	1,4-Dichlorobenzene	50.	U	
99-87-6	p-Isopropyltoluene	50.	U	
95-50-1	1,2-Dichlorobenzene	50.	U	
104-51-8	n-Butylbenzene	50.	U	
96-12-8	1,2-Dibromo-3-chloropropane	50.	UJ	MF
120-82-1	1,2,4-Trichlorobenzene	50.	U	
91-20-3	Naphthalene	50.	U	
87-68-3	Hexachlorobutadiene	50.	U	
87-61-6	1,2,3-Trichlorobenzene	50.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01D08

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01D08

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG053

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	75.	U
74-87-3	Chloromethane	75.	U
75-01-4	Vinyl chloride	75.	U
74-83-9	Bromomethane	75.	U
75-00-3	Chloroethane	75.	U
75-69-4	Trichlorofluoromethane	61.	J
107-64-1	Acrolein	250.	U
75-35-4	1,1-Dichloroethene	110.	
67-64-1	Acetone	250.	U
75-15-0	Carbon disulfide	50.	U
75-09-2	Methylene chloride	50.	U
156-60-5	trans-1,2-Dichloroethene	50.	U
107-13-1	Acrylonitrile	250.	U
75-34-3	1,1-Dichloroethane	210.	
108-05-4	Vinylacetate	250.	UJ
594-20-7	2,2-Dichloropropane	50.	U
156-59-2	cis-1,2-Dichloroethene	400.	
78-93-3	2-Butanone	63.	J
74-97-5	Bromochloromethane	50.	U
67-66-3	Chloroform	50.	U
71-55-6	1,1,1-trichloroethane	1100.	
56-23-5	Carbon tetrachloride	220.	
563-58-6	1,1-Dichloropropene	50.	U
71-43-2	Benzene	50.	U
107-06-2	1,2-Dichloroethane	50.	U
79-01-6	Trichloroethene	290.	
78-87-5	1,2-Dichloropropane	50.	U
74-95-3	Dibromomethane	50.	U
75-27-4	Bromodichloromethane	50.	U
10061-01-5	cis-1,3-dichloropropene	50.	U
108-88-3	Toluene	50.	U
108-10-1	4-Methyl-2-pentanone	130.	U
10061-02-6	trans-1,3-Dichloropropene	50.	U
127-18-4	Tetrachloroethene	110.	
79-00-5	1,1,2-Trichloroethane	50.	U
142-28-9	1,3-Dichloropropane	50.	U
591-78-6	2-Hexanone	130.	UJ

117 1/25/95

117

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01D08

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01D08

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG053

Level: (low/med) LOW Date Received: 12/09/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	50.	U	
106-93-4	1,2-Dibromoethane	50.	U	
108-90-7	Chlorobenzene	50.	U	
630-20-6	1,1,1,2-Tetrachloroethane	50.	U	
100-41-4	Ethylbenzene	50.	U	
1083836423	m &/or p-Xylene	50.	U	
95-47-6	o-Xylene	50.	U	
100-42-5	Styrene	50.	U	
75-25-2	Bromoform	50.	U	
98-82-8	Isopropylbenzene	50.	U	
108-86-1	Bromobenzene	50.	U	
96-18-4	1,2,3-Trichloropropane	50.	U	
79-34-5	1,1,2,2-Tetrachloroethane	50.	UJ	117
103-65-1	n-Propylbenzene	50.	U	
95-49-8	2-Chlorotoluene	50.	U	
106-43-4	4-Chlorotoluene	50.	U	
108-67-8	1,3,5-Trimethylbenzene	16.	J	
98-06-6	tert-Butylbenzene	50.	U	
95-63-6	1,2,4-Trimethylbenzene	15.	J	
135-98-8	sec-Butylbenzene	15.	J	
541-73-1	1,3-Dichlorobenzene	50.	U	
106-46-7	1,4-Dichlorobenzene	50.	U	
99-87-6	p-Isopropyltoluene	13.	J	
95-50-1	1,2-Dichlorobenzene	22.	J	
104-51-8	n-Butylbenzene	23.	J	
96-12-8	1,2-Dibromo-3-chloropropane	50.	UJ	114
120-82-1	1,2,4-Trichlorobenzene	50.	U	
91-20-3	Naphthalene	50.	U	
87-68-3	Hexachlorobutadiene	50.	U	
87-61-6	1,2,3-Trichlorobenzene	50.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S09

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S09

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG054

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	75.	U
74-87-3	Chloromethane	75.	U
75-01-4	Vinyl chloride	75.	U
74-83-9	Bromomethane	75.	U
75-00-3	Chloroethane	75.	U
75-69-4	Trichlorofluoromethane	75.	U
107-64-1	Acrolein	250.	U
75-35-4	1,1-Dichloroethene	110.	
67-64-1	Acetone	250.	U
75-15-0	Carbon disulfide	50.	U
75-09-2	Methylene chloride	50.	U
156-60-5	trans-1,2-Dichloroethene	50.	U
107-13-1	Acrylonitrile	250.	U
75-34-3	1,1-Dichloroethane	200.	
108-05-4	Vinylacetate	250.	UJ
594-20-7	2,2-Dichloropropane	50.	U
156-59-2	cis-1,2-Dichloroethene	370.	
78-93-3	2-Butanone	250.	U
74-97-5	Bromochloromethane	50.	U
67-66-3	Chloroform	50.	U
71-55-6	1,1,1-trichloroethane	1100.	
56-23-5	Carbon tetrachloride	200.	
563-58-6	1,1-Dichloropropene	50.	U
71-43-2	Benzene	50.	U
107-06-2	1,2-Dichloroethane	50.	U
79-01-6	Trichloroethene	280.	
78-87-5	1,2-Dichloropropane	50.	U
74-95-3	Dibromomethane	50.	U
75-27-4	Bromodichloromethane	50.	U
10061-01-5	cis-1,3-dichloropropene	50.	U
108-88-3	Toluene	50.	U
108-10-1	4-Methyl-2-pentanone	130.	U
10061-02-6	trans-1,3-Dichloropropene	50.	U
127-18-4	Tetrachloroethene	100.	
79-00-5	1,1,2-Trichloroethane	50.	U
142-28-9	1,3-Dichloropropane	50.	U
591-78-6	2-Hexanone	130.	UJ

NF 1/25/93

NF

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S09

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S09

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG054

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	50.	U	
106-93-4	1,2-Dibromoethane	50.	U	
108-90-7	Chlorobenzene	50.	U	
630-20-6	1,1,1,2-Tetrachloroethane	50.	U	
100-41-4	Ethylbenzene	50.	U	
1083836423	m &/or p-Xylene	50.	U	
95-47-6	o-Xylene	50.	U	
100-42-5	Styrene	50.	U	
75-25-2	Bromoform	50.	U	
98-82-8	Isopropylbenzene	50.	U	
108-86-1	Bromobenzene	50.	U	
96-18-4	1,2,3-Trichloropropane	50.	U	
79-34-5	1,1,2,2-Tetrachloroethane	50.	U	
103-65-1	n-Propylbenzene	50.	U	
95-49-8	2-Chlorotoluene	50.	U	
106-43-4	4-Chlorotoluene	50.	U	
108-67-8	1,3,5-Trimethylbenzene	50.	U	
98-06-6	tert-Butylbenzene	50.	U	
95-63-6	1,2,4-Trimethylbenzene	50.	U	
135-98-8	sec-Butylbenzene	50.	U	
541-73-1	1,3-Dichlorobenzene	50.	U	
106-46-7	1,4-Dichlorobenzene	50.	U	
99-87-6	p-Isopropyltoluene	50.	U	
95-50-1	1,2-Dichlorobenzene	50.	U	
104-51-8	n-Butylbenzene	50.	U	
96-12-8	1,2-Dibromo-3-chloropropane	50.	U	
120-82-1	1,2,4-Trichlorobenzene	50.	U	
91-20-3	Naphthalene	50.	U	
87-68-3	Hexachlorobutadiene	50.	U	
87-61-6	1,2,3-Trichlorobenzene	50.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S10

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S10

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG055

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	75.	U
74-87-3	Chloromethane	75.	U
75-01-4	Vinyl chloride	75.	U
74-83-9	Bromomethane	75.	U
75-00-3	Chloroethane	75.	U
75-69-4	Trichlorofluoromethane	75.	U
107-64-1	Acrolein	250.	U
75-35-4	1,1-Dichloroethene	48.	J
67-64-1	Acetone	250.	U
75-15-0	Carbon disulfide	50.	U
75-09-2	Methylene chloride	50.	U
156-60-5	trans-1,2-Dichloroethene	50.	U
107-13-1	Acrylonitrile	250.	U
75-34-3	1,1-Dichloroethane	170.	
108-05-4	Vinylacetate	250.	UJ
594-20-7	2,2-Dichloropropane	50.	U
156-59-2	cis-1,2-Dichloroethene	250.	
78-93-3	2-Butanone	59.	J
74-97-5	Bromochloromethane	50.	U
67-66-3	Chloroform	50.	U
71-55-6	1,1,1-trichloroethane	850.	
56-23-5	Carbon tetrachloride	160.	
563-58-6	1,1-Dichloropropene	50.	U
71-43-2	Benzene	50.	U
107-06-2	1,2-Dichloroethane	50.	U
79-01-6	Trichloroethene	230.	
78-87-5	1,2-Dichloropropane	50.	U
74-95-3	Dibromomethane	50.	U
75-27-4	Bromodichloromethane	50.	U
10061-01-5	cis-1,3-dichloropropene	50.	U
108-88-3	Toluene	50.	U
108-10-1	4-Methyl-2-pentanone	130.	U
10061-02-6	trans-1,3-Dichloropropene	50.	U
127-18-4	Tetrachloroethene	90.	
79-00-5	1,1,2-Trichloroethane	50.	U
142-28-9	1,3-Dichloropropane	50.	U
591-78-6	2-Hexanone	130.	UJ

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S10

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S10

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG055

Level: (low/med) LOW Date Received: 12/10/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
124-48-1	Dibromochloromethane	50.	U
106-93-4	1,2-Dibromoethane	50.	U
108-90-7	Chlorobenzene	50.	U
630-20-6	1,1,1,2-Tetrachloroethane	50.	U
100-41-4	Ethylbenzene	50.	U
1083836423	m &/or p-Xylene	50.	U
95-47-6	o-Xylene	50.	U
100-42-5	Styrene	50.	U
75-25-2	Bromoform	50.	U
98-82-8	Isopropylbenzene	50.	U
108-86-1	Bromobenzene	50.	U
96-18-4	1,2,3-Trichloropropane	50.	U
79-34-5	1,1,2,2-Tetrachloroethane	50.	UJ
103-65-1	n-Propylbenzene	50.	U
95-49-8	2-Chlorotoluene	50.	U
106-43-4	4-Chlorotoluene	50.	U
108-67-8	1,3,5-Trimethylbenzene	50.	U
98-06-6	tert-Butylbenzene	50.	U
95-63-6	1,2,4-Trimethylbenzene	50.	U
135-98-8	sec-Butylbenzene	50.	U
541-73-1	1,3-Dichlorobenzene	50.	U
106-46-7	1,4-Dichlorobenzene	50.	U
99-87-6	p-Isopropyltoluene	50.	U
95-50-1	1,2-Dichlorobenzene	50.	U
104-51-8	n-Butylbenzene	50.	U
96-12-8	1,2-Dibromo-3-chloropropane	50.	UJ
120-82-1	1,2,4-Trichlorobenzene	50.	U
91-20-3	Naphthalene	50.	U
87-68-3	Hexachlorobutadiene	50.	U
87-61-6	1,2,3-Trichlorobenzene	50.	U

MJ

MJ

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

121692BLK1

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: METHOD BLANK

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: >AG059

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	U
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	2.	U
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

121692BLK1

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: METHOD BLANK

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: >AG059

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
124-48-1	Dibromochloromethane	2.	U
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	2.	U
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	2.	U
1083836423	m &/or p-Xylene	2.	U
95-47-6	o-Xylene	2.	U
100-42-5	Styrene	2.	U
75-25-2	Bromoform	2.	U
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	U
79-34-5	1,1,2,2-Tetrachloroethane	2.	U
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	U
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	U
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	U
96-12-8	1,2-Dibromo-3-chloropropane	2.	U
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	2.	U
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R08

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R08

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: >AG060

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	UJ
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	2.	U
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

MF 1/25/93

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R08

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R08

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: >AG060

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	2.	U	
106-93-4	1,2-Dibromoethane	2.	U	
108-90-7	Chlorobenzene	2.	U	
630-20-6	1,1,1,2-Tetrachloroethane	2.	U	
100-41-4	Ethylbenzene	2.	U	
1083836423	m &/or p-Xylene	2.	U	
95-47-6	o-Xylene	2.	U	
100-42-5	Styrene	2.	U	
75-25-2	Bromoform	2.	U	
98-82-8	Isopropylbenzene	2.	U	
108-86-1	Bromobenzene	2.	U	
96-18-4	1,2,3-Trichloropropane	2.	U	
79-34-5	1,1,2,2-Tetrachloroethane	2.	UJ	
103-65-1	n-Propylbenzene	2.	U	
95-49-8	2-Chlorotoluene	2.	U	
106-43-4	4-Chlorotoluene	2.	U	
108-67-8	1,3,5-Trimethylbenzene	2.	U	
98-06-6	tert-Butylbenzene	2.	U	
95-63-6	1,2,4-Trimethylbenzene	2.	U	
135-98-8	sec-Butylbenzene	2.	U	
541-73-1	1,3-Dichlorobenzene	2.	U	
106-46-7	1,4-Dichlorobenzene	2.	U	
99-87-6	p-Isopropyltoluene	2.	U	
95-50-1	1,2-Dichlorobenzene	2.	U	
104-51-8	n-Butylbenzene	2.	U	
96-12-8	1,2-Dibromo-3-chloropropane	2.	UJ	
120-82-1	1,2,4-Trichlorobenzene	2.	U	
91-20-3	Naphthalene	2.	UJ	
87-68-3	Hexachlorobutadiene	2.	U	
87-61-6	1,2,3-Trichlorobenzene	2.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R04

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R04

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: >AG062

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	1.	J
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	UJ
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	2.	U
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	5.	
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

NG 1/25/23

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R08

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R08

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: >AG062

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	2.	U	
106-93-4	1,2-Dibromoethane	2.	U	
108-90-7	Chlorobenzene	2.	U	
630-20-6	1,1,1,2-Tetrachloroethane	2.	U	
100-41-4	Ethylbenzene	2.	U	
1083836423	m &/or p-Xylene	2.	U	
95-47-6	o-Xylene	2.	U	
100-42-5	Styrene	2.	U	
75-25-2	Bromoform	2.	U	
98-82-8	Isopropylbenzene	2.	U	
108-86-1	Bromobenzene	2.	U	
96-18-4	1,2,3-Trichloropropane	2.	U	
79-34-5	1,1,2,2-Tetrachloroethane	2.	UJ	NF
103-65-1	n-Propylbenzene	2.	U	
95-49-8	2-Chlorotoluene	2.	U	
106-43-4	4-Chlorotoluene	2.	U	
108-67-8	1,3,5-Trimethylbenzene	2.	U	
98-06-6	tert-Butylbenzene	2.	U	
95-63-6	1,2,4-Trimethylbenzene	2.	U	
135-98-8	sec-Butylbenzene	2.	U	
541-73-1	1,3-Dichlorobenzene	2.	U	
106-46-7	1,4-Dichlorobenzene	2.	U	
99-87-6	p-Isopropyltoluene	2.	U	
95-50-1	1,2-Dichlorobenzene	2.	U	
104-51-8	n-Butylbenzene	2.	U	
96-12-8	1,2-Dibromo-3-chloropropane	2.	UJ	NF
120-82-1	1,2,4-Trichlorobenzene	2.	U	
91-20-3	Naphthalene	2.	UJ	NF
87-68-3	Hexachlorobutadiene	2.	U	
87-61-6	1,2,3-Trichlorobenzene	2.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S12

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S12

Sample wt/vol: 0.50 (g/mL) mL Lab File ID: >AG063

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	30.	U
74-87-3	Chloromethane	30.	U
75-01-4	Vinyl chloride	30.	U
74-83-9	Bromomethane	30.	U
75-00-3	Chloroethane	30.	U
75-69-4	Trichlorofluoromethane	30.	U
107-64-1	Acrolein	100.	U
75-35-4	1,1-Dichloroethene	57.	
67-64-1	Acetone	100.	U
75-15-0	Carbon disulfide	20.	U
75-09-2	Methylene chloride	20.	U
156-60-5	trans-1,2-Dichloroethene	20.	U
107-13-1	Acrylonitrile	100.	U
75-34-3	1,1-Dichloroethane	160.	
108-05-4	Vinylacetate	100.	UJ
594-20-7	2,2-Dichloropropane	20.	U
156-59-2	cis-1,2-Dichloroethene	270.	
78-93-3	2-Butanone	100.	U
74-97-5	Bromochloromethane	20.	U
67-66-3	Chloroform	20.	U
71-55-6	1,1,1-trichloroethane	600.	
56-23-5	Carbon tetrachloride	100.	
563-58-6	1,1-Dichloropropene	20.	U
71-43-2	Benzene	20.	U
107-06-2	1,2-Dichloroethane	20.	U
79-01-6	Trichloroethene	170.	
78-87-5	1,2-Dichloropropane	20.	U
74-95-3	Dibromomethane	20.	U
75-27-4	Bromodichloromethane	20.	U
10061-01-5	cis-1,3-dichloropropene	20.	U
108-88-3	Toluene	20.	U
108-10-1	4-Methyl-2-pentanone	50.	U
10061-02-6	trans-1,3-Dichloropropene	20.	U
127-18-4	Tetrachloroethene	89.	
79-00-5	1,1,2-Trichloroethane	20.	U
142-28-9	1,3-Dichloropropane	20.	U
591-78-6	2-Hexanone	50.	U

NJ 1/25/93

Are there any TICs ? (Please check a box) YES | | NO | ✓ |

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S12

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S12

Sample wt/vol: 0.50 (g/mL) mL Lab File ID: >AG063

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	20.	U	
106-93-4	1,2-Dibromoethane	20.	U	
108-90-7	Chlorobenzene	20.	U	
630-20-6	1,1,1,2-Tetrachloroethane	20.	U	
100-41-4	Ethylbenzene	20.	U	
1083836423	m &/or p-Xylene	20.	U	
95-47-6	o-Xylene	20.	U	
100-42-5	Styrene	20.	U	
75-25-2	Bromoform	20.	U	
98-82-8	Isopropylbenzene	20.	U	
108-86-1	Bromobenzene	20.	U	
96-18-4	1,2,3-Trichloropropane	20.	U	
79-34-5	1,1,2,2-Tetrachloroethane	20.	UJ	117
103-65-1	n-Propylbenzene	20.	U	
95-49-8	2-Chlorotoluene	20.	U	
106-43-4	4-Chlorotoluene	20.	U	
108-67-8	1,3,5-Trimethylbenzene	20.	U	
98-06-6	tert-Butylbenzene	20.	U	
95-63-6	1,2,4-Trimethylbenzene	20.	U	
135-98-8	sec-Butylbenzene	20.	U	
541-73-1	1,3-Dichlorobenzene	20.	U	
106-46-7	1,4-Dichlorobenzene	20.	U	
99-87-6	p-Isopropyltoluene	20.	U	
95-50-1	1,2-Dichlorobenzene	20.	U	
104-51-8	n-Butylbenzene	20.	U	
96-12-8	1,2-Dibromo-3-chloropropane	20.	UJ	117
120-82-1	1,2,4-Trichlorobenzene	20.	U	
91-20-3	Naphthalene	20.	UJ	117
87-68-3	Hexachlorobutadiene	20.	U	
87-61-6	1,2,3-Trichlorobenzene	20.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S13

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S13

Sample wt/vol: 0.50 (g/mL) mL Lab File ID: >AG064

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	30.	U
74-87-3	Chloromethane	30.	U
75-01-4	Vinyl chloride	30.	U
74-83-9	Bromomethane	30.	U
75-00-3	Chloroethane	30.	U
75-69-4	Trichlorofluoromethane	30.	U
107-64-1	Acrolein	100.	U
75-35-4	1,1-Dichloroethene	110.	
67-64-1	Acetone	100.	U
75-15-0	Carbon disulfide	20.	U
75-09-2	Methylene chloride	20.	U
156-60-5	trans-1,2-Dichloroethene	20.	U
107-13-1	Acrylonitrile	100.	U
75-34-3	1,1-Dichloroethane	220.	
108-05-4	Vinylacetate	100.	UJ
594-20-7	2,2-Dichloropropane	20.	U
156-59-2	cis-1,2-Dichloroethene	610.	
78-93-3	2-Butanone	100.	U
74-97-5	Bromochloromethane	20.	U
67-66-3	Chloroform	14.	J
71-55-6	1,1,1-trichloroethane	1200.	
56-23-5	Carbon tetrachloride	210.	
563-58-6	1,1-Dichloropropene	20.	U
71-43-2	Benzene	20.	U
107-06-2	1,2-Dichloroethane	20.	U
79-01-6	Trichloroethene	330.	
78-87-5	1,2-Dichloropropane	20.	U
74-95-3	Dibromomethane	20.	U
75-27-4	Bromodichloromethane	20.	U
10061-01-5	cis-1,3-dichloropropene	20.	U
108-88-3	Toluene	20.	U
108-10-1	4-Methyl-2-pentanone	50.	U
10061-02-6	trans-1,3-Dichloropropene	20.	U
127-18-4	Tetrachloroethene	160.	
79-00-5	1,1,2-Trichloroethane	20.	U
142-28-9	1,3-Dichloropropane	20.	U
591-78-6	2-Hexanone	50.	U

Are there any TICs ? (Please check a box) YES |__| NO |✓|

1/25/93

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S13

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S13

Sample wt/vol: 0.50 (g/mL) mL Lab File ID: >AG064

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	20.	U	
106-93-4	1,2-Dibromoethane	20.	U	
108-90-7	Chlorobenzene	20.	U	
630-20-6	1,1,1,2-Tetrachloroethane	20.	U	
100-41-4	Ethylbenzene	20.	U	
1083836423	m &/or p-Xylene	20.	U	
95-47-6	o-Xylene	20.	U	
100-42-5	Styrene	20.	U	
75-25-2	Bromoform	20.	U	
98-82-8	Isopropylbenzene	20.	U	
108-86-1	Bromobenzene	20.	U	
96-18-4	1,2,3-Trichloropropane	20.	U	
79-34-5	1,1,2,2-Tetrachloroethane	20.	UJ	MF
103-65-1	n-Propylbenzene	20.	U	
95-49-8	2-Chlorotoluene	20.	U	
106-43-4	4-Chlorotoluene	20.	U	
108-67-8	1,3,5-Trimethylbenzene	20.	U	
98-06-6	tert-Butylbenzene	20.	U	
95-63-6	1,2,4-Trimethylbenzene	20.	U	
135-98-8	sec-Butylbenzene	20.	U	
541-73-1	1,3-Dichlorobenzene	20.	U	
106-46-7	1,4-Dichlorobenzene	20.	U	
99-87-6	p-Isopropyltoluene	20.	U	
95-50-1	1,2-Dichlorobenzene	20.	U	
104-51-8	n-Butylbenzene	20.	U	
96-12-8	1,2-Dibromo-3-chloropropane	20.	UJ	MF
120-82-1	1,2,4-Trichlorobenzene	20.	U	
91-20-3	Naphthalene	20.	UJ	MF
87-68-3	Hexachlorobutadiene	20.	U	
87-61-6	1,2,3-Trichlorobenzene	20.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S06

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S06

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: >AG067

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	8.	
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	28.	
108-05-4	Vinylacetate	10.	UJ
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	42.	
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	1.	J
71-55-6	1,1,1-trichloroethane	110.	
56-23-5	Carbon tetrachloride	19.	
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	14.	
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	4.	
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

MA 1/25/93

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S06

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S06

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: >AG067

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	2.	U	
106-93-4	1,2-Dibromoethane	2.	U	
108-90-7	Chlorobenzene	2.	U	
630-20-6	1,1,1,2-Tetrachloroethane	2.	U	
100-41-4	Ethylbenzene	2.	U	
1083836423	m &/or p-Xylene	2.	U	
95-47-6	o-Xylene	2.	U	
100-42-5	Styrene	2.	U	
75-25-2	Bromoform	2.	U	
98-82-8	Isopropylbenzene	2.	U	
108-86-1	Bromobenzene	2.	U	
96-18-4	1,2,3-Trichloropropane	2.	U	
79-34-5	1,1,2,2-Tetrachloroethane	2.	UJ	NF
103-65-1	n-Propylbenzene	2.	U	
95-49-8	2-Chlorotoluene	2.	U	
106-43-4	4-Chlorotoluene	2.	U	
108-67-8	1,3,5-Trimethylbenzene	2.	U	
98-06-6	tert-Butylbenzene	2.	U	
95-63-6	1,2,4-Trimethylbenzene	2.	U	
135-98-8	sec-Butylbenzene	2.	U	
541-73-1	1,3-Dichlorobenzene	2.	U	
106-46-7	1,4-Dichlorobenzene	2.	U	
99-87-6	p-Isopropyltoluene	2.	U	
95-50-1	1,2-Dichlorobenzene	2.	U	
104-51-8	n-Butylbenzene	2.	U	
96-12-8	1,2-Dibromo-3-chloropropane	2.	UJ	NF
120-82-1	1,2,4-Trichlorobenzene	2.	U	
91-20-3	Naphthalene	2.	UJ	NF
87-68-3	Hexachlorobutadiene	2.	U	
87-61-6	1,2,3-Trichlorobenzene	2.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01D06

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01D06

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: >AG068

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	9.	
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	30.	
108-05-4	Vinylacetate	10.	UJ
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	43.	
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	1.	J
71-55-6	1,1,1-trichloroethane	110.	
56-23-5	Carbon tetrachloride	20.	
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	15.	
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

NJ 1/25/93

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01D06

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01D06

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: >AG068

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	2.	U	
106-93-4	1,2-Dibromoethane	2.	U	
108-90-7	Chlorobenzene	2.	U	
630-20-6	1,1,1,2-Tetrachloroethane	2.	U	
100-41-4	Ethylbenzene	2.	U	
1083836423	m &/or p-Xylene	2.	U	
95-47-6	o-Xylene	2.	U	
100-42-5	Styrene	2.	U	
75-25-2	Bromoform	2.	U	
98-82-8	Isopropylbenzene	2.	U	
108-86-1	Bromobenzene	2.	U	
96-18-4	1,2,3-Trichloropropane	2.	U	
79-34-5	1,1,2,2-Tetrachloroethane	2.	UJ	nf
103-65-1	n-Propylbenzene	2.	U	
95-49-8	2-Chlorotoluene	2.	U	
106-43-4	4-Chlorotoluene	2.	U	
108-67-8	1,3,5-Trimethylbenzene	2.	U	
98-06-6	tert-Butylbenzene	2.	U	
95-63-6	1,2,4-Trimethylbenzene	2.	U	
135-98-8	sec-Butylbenzene	2.	U	
541-73-1	1,3-Dichlorobenzene	2.	U	
106-46-7	1,4-Dichlorobenzene	2.	U	
99-87-6	p-Isopropyltoluene	2.	U	
95-50-1	1,2-Dichlorobenzene	2.	U	
104-51-8	n-Butylbenzene	2.	U	
96-12-8	1,2-Dibromo-3-chloropropane	2.	UJ	nf
120-82-1	1,2,4-Trichlorobenzene	2.	U	
91-20-3	Naphthalene	2.	UJ	nf
87-68-3	Hexachlorobutadiene	2.	U	
87-61-6	1,2,3-Trichlorobenzene	2.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S11

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S11

Sample wt/vol: 0.50 (g/mL) mL Lab File ID: >AG069

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	30.	U
74-87-3	Chloromethane	30.	U
75-01-4	Vinyl chloride	30.	U
74-83-9	Bromomethane	30.	U
75-00-3	Chloroethane	30.	U
75-69-4	Trichlorofluoromethane	30.	U
107-64-1	Acrolein	100.	U
75-35-4	1,1-Dichloroethene	22.	
67-64-1	Acetone	100.	U
75-15-0	Carbon disulfide	20.	U
75-09-2	Methylene chloride	20.	U
156-60-5	trans-1,2-Dichloroethene	20.	U
107-13-1	Acrylonitrile	100.	U
75-34-3	1,1-Dichloroethane	27.	
108-05-4	Vinylacetate	100.	UJ
594-20-7	2,2-Dichloropropane	20.	U
156-59-2	cis-1,2-Dichloroethene	79.	
78-93-3	2-Butanone	100.	U
74-97-5	Bromochloromethane	20.	U
67-66-3	Chloroform	20.	U
71-55-6	1,1,1-trichloroethane	170.	
56-23-5	Carbon tetrachloride	20.	U
563-58-6	1,1-Dichloropropene	20.	U
71-43-2	Benzene	20.	U
107-06-2	1,2-Dichloroethane	20.	U
79-01-6	Trichloroethene	69.	
78-87-5	1,2-Dichloropropane	20.	U
74-95-3	Dibromomethane	20.	U
75-27-4	Bromodichloromethane	20.	U
10061-01-5	cis-1,3-dichloropropene	20.	U
108-88-3	Toluene	20.	U
108-10-1	4-Methyl-2-pentanone	50.	U
10061-02-6	trans-1,3-Dichloropropene	20.	U
127-18-4	Tetrachloroethene	47.	
79-00-5	1,1,2-Trichloroethane	20.	U
142-28-9	1,3-Dichloropropane	20.	U
591-78-6	2-Hexanone	50.	U

Are there any TICs ? (Please check a box) YES |__| NO |✓|

1/25/93

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S11

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S11

Sample wt/vol: 0.50 (g/mL) mL Lab File ID: >AG069

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	20.	U	
106-93-4	1,2-Dibromoethane	20.	U	
108-90-7	Chlorobenzene	20.	U	
630-20-6	1,1,1,2-Tetrachloroethane	20.	U	
100-41-4	Ethylbenzene	20.	U	
1083836423	m &/or p-Xylene	20.	U	
95-47-6	o-Xylene	20.	U	
100-42-5	Styrene	20.	U	
75-25-2	Bromoform	20.	U	
98-82-8	Isopropylbenzene	20.	U	
108-86-1	Bromobenzene	20.	U	
96-18-4	1,2,3-Trichloropropane	20.	U	
79-34-5	1,1,2,2-Tetrachloroethane	20.	UJ	NT
103-65-1	n-Propylbenzene	20.	U	
95-49-8	2-Chlorotoluene	20.	U	
106-43-4	4-Chlorotoluene	20.	U	
108-67-8	1,3,5-Trimethylbenzene	20.	U	
98-06-6	tert-Butylbenzene	20.	U	
95-63-6	1,2,4-Trimethylbenzene	20.	U	
135-98-8	sec-Butylbenzene	20.	U	
541-73-1	1,3-Dichlorobenzene	20.	U	
106-46-7	1,4-Dichlorobenzene	20.	U	
99-87-6	p-Isopropyltoluene	20.	U	
95-50-1	1,2-Dichlorobenzene	20.	U	
104-51-8	n-Butylbenzene	20.	U	
96-12-8	1,2-Dibromo-3-chloropropane	20.	UJ	NT
120-82-1	1,2,4-Trichlorobenzene	20.	U	
91-20-3	Naphthalene	20.	UJ	NT
87-68-3	Hexachlorobutadiene	20.	U	
87-61-6	1,2,3-Trichlorobenzene	20.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R09

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R09

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: >AG070

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	1.	J
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	UJ
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	2.	U
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

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1/23/93

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R09

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R09

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: >AG070

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	2.	U	
106-93-4	1,2-Dibromoethane	2.	U	
108-90-7	Chlorobenzene	2.	U	
630-20-6	1,1,1,2-Tetrachloroethane	2.	U	
100-41-4	Ethylbenzene	2.	U	
1083836423	m &/or p-Xylene	2.	U	
95-47-6	o-Xylene	2.	U	
100-42-5	Styrene	2.	U	
75-25-2	Bromoform	2.	U	
98-82-8	Isopropylbenzene	2.	U	
108-86-1	Bromobenzene	2.	U	
96-18-4	1,2,3-Trichloropropane	2.	U	
79-34-5	1,1,2,2-Tetrachloroethane	2.	UJ	MA
103-65-1	n-Propylbenzene	2.	U	
95-49-8	2-Chlorotoluene	2.	U	
106-43-4	4-Chlorotoluene	2.	U	
108-67-8	1,3,5-Trimethylbenzene	2.	U	
98-06-6	tert-Butylbenzene	2.	U	
95-63-6	1,2,4-Trimethylbenzene	2.	U	
135-98-8	sec-Butylbenzene	2.	U	
541-73-1	1,3-Dichlorobenzene	2.	U	
106-46-7	1,4-Dichlorobenzene	2.	U	
99-87-6	p-Isopropyltoluene	2.	U	
95-50-1	1,2-Dichlorobenzene	2.	U	
104-51-8	n-Butylbenzene	2.	U	
96-12-8	1,2-Dibromo-3-chloropropane	2.	UJ	MA
120-82-1	1,2,4-Trichlorobenzene	2.	U	
91-20-3	Naphthalene	2.	UJ	MA
87-68-3	Hexachlorobutadiene	2.	U	
87-61-6	1,2,3-Trichlorobenzene	2.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S14

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S14

Sample wt/vol: 0.50 (g/mL) mL Lab File ID: >AG071

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	30.	U
74-87-3	Chloromethane	30.	U
75-01-4	Vinyl chloride	30.	U
74-83-9	Bromomethane	30.	U
75-00-3	Chloroethane	30.	U
75-69-4	Trichlorofluoromethane	30.	U
107-64-1	Acrolein	100.	U
75-35-4	1,1-Dichloroethene	52.	
67-64-1	Acetone	100.	U
75-15-0	Carbon disulfide	20.	U
75-09-2	Methylene chloride	20.	U
156-60-5	trans-1,2-Dichloroethene	20.	U
107-13-1	Acrylonitrile	100.	U
75-34-3	1,1-Dichloroethane	140.	
108-05-4	Vinylacetate	100.	UJ
594-20-7	2,2-Dichloropropane	20.	U
156-59-2	cis-1,2-Dichloroethene	200.	
78-93-3	2-Butanone	100.	U
74-97-5	Bromochloromethane	20.	U
67-66-3	Chloroform	9.	J
71-55-6	1,1,1-trichloroethane	690.	
56-23-5	Carbon tetrachloride	120.	
563-58-6	1,1-Dichloropropene	20.	U
71-43-2	Benzene	20.	U
107-06-2	1,2-Dichloroethane	20.	U
79-01-6	Trichloroethene	200.	
78-87-5	1,2-Dichloropropane	20.	U
74-95-3	Dibromomethane	20.	U
75-27-4	Bromodichloromethane	20.	U
10061-01-5	cis-1,3-dichloropropene	20.	U
108-88-3	Toluene	20.	U
108-10-1	4-Methyl-2-pentanone	50.	U
10061-02-6	trans-1,3-Dichloropropene	20.	U
127-18-4	Tetrachloroethene	100.	
79-00-5	1,1,2-Trichloroethane	20.	U
142-28-9	1,3-Dichloropropane	20.	U
591-78-6	2-Hexanone	50.	U

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

MJ 1/25/93

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S14

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S14

Sample wt/vol: 0.50 (g/mL) mL Lab File ID: >AG071

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	20.	U	
106-93-4	1,2-Dibromoethane	20.	U	
108-90-7	Chlorobenzene	20.	U	
630-20-6	1,1,1,2-Tetrachloroethane	20.	U	
100-41-4	Ethylbenzene	20.	U	
1083836423	m &/or p-Xylene	20.	U	
95-47-6	o-Xylene	20.	U	
100-42-5	Styrene	20.	U	
75-25-2	Bromoform	20.	U	
98-82-8	Isopropylbenzene	20.	U	
108-86-1	Bromobenzene	20.	U	
96-18-4	1,2,3-Trichloropropane	20.	U	
79-34-5	1,1,2,2-Tetrachloroethane	20.	UJ	117
103-65-1	n-Propylbenzene	20.	U	
95-49-8	2-Chlorotoluene	20.	U	
106-43-4	4-Chlorotoluene	20.	U	
108-67-8	1,3,5-Trimethylbenzene	20.	U	
98-06-6	tert-Butylbenzene	20.	U	
95-63-6	1,2,4-Trimethylbenzene	20.	U	
135-98-8	sec-Butylbenzene	20.	U	
541-73-1	1,3-Dichlorobenzene	20.	U	
106-46-7	1,4-Dichlorobenzene	20.	U	
99-87-6	p-Isopropyltoluene	20.	U	
95-50-1	1,2-Dichlorobenzene	20.	U	
104-51-8	n-Butylbenzene	20.	U	
96-12-8	1,2-Dibromo-3-chloropropane	20.	UJ	117
120-82-1	1,2,4-Trichlorobenzene	20.	U	
91-20-3	Naphthalene	20.	UJ	117
87-68-3	Hexachlorobutadiene	20.	U	
87-61-6	1,2,3-Trichlorobenzene	20.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S15

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S15

Sample wt/vol: 0.50 (g/mL) mL Lab File ID: >AG072

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	30.	U
74-87-3	Chloromethane	30.	U
75-01-4	Vinyl chloride	30.	U
74-83-9	Bromomethane	30.	U
75-00-3	Chloroethane	30.	U
75-69-4	Trichlorofluoromethane	30.	U
107-64-1	Acrolein	100.	U
75-35-4	1,1-Dichloroethene	190.	
67-64-1	Acetone	100.	U
75-15-0	Carbon disulfide	20.	U
75-09-2	Methylene chloride	20.	U
156-60-5	trans-1,2-Dichloroethene	20.	U
107-13-1	Acrylonitrile	100.	U
75-34-3	1,1-Dichloroethane	170.	
108-05-4	Vinylacetate	100.	UJ
594-20-7	2,2-Dichloropropane	20.	U
156-59-2	cis-1,2-Dichloroethene	230.	
78-93-3	2-Butanone	100.	U
74-97-5	Bromochloromethane	20.	U
67-66-3	Chloroform	27.	
71-55-6	1,1,1-trichloroethane	1300.	
56-23-5	Carbon tetrachloride	230.	
563-58-6	1,1-Dichloropropene	20.	U
71-43-2	Benzene	20.	U
107-06-2	1,2-Dichloroethane	20.	U
79-01-6	Trichloroethene	470.	
78-87-5	1,2-Dichloropropane	20.	U
74-95-3	Dibromomethane	20.	U
75-27-4	Bromodichloromethane	20.	U
10061-01-5	cis-1,3-dichloropropene	20.	U
108-88-3	Toluene	20.	U
108-10-1	4-Methyl-2-pentanone	50.	U
10061-02-6	trans-1,3-Dichloropropene	20.	U
127-18-4	Tetrachloroethene	190.	
79-00-5	1,1,2-Trichloroethane	20.	U
142-28-9	1,3-Dichloropropane	20.	U
591-78-6	2-Hexanone	50.	U

M.T. 1/23/93

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S15

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S15

Sample wt/vol: 0.50 (g/mL) mL Lab File ID: >AG072

Level: (low/med) LOW Date Received: 12/15/92

% Moisture: not dec.---- Date Analyzed: 12/16/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	20.	U	
106-93-4	1,2-Dibromoethane	20.	U	
108-90-7	Chlorobenzene	20.	U	
630-20-6	1,1,1,2-Tetrachloroethane	20.	U	
100-41-4	Ethylbenzene	20.	U	
1083836423	m &/or p-Xylene	20.	U	
95-47-6	o-Xylene	20.	U	
100-42-5	Styrene	20.	U	
75-25-2	Bromoform	20.	U	
98-82-8	Isopropylbenzene	20.	U	
108-86-1	Bromobenzene	20.	U	
96-18-4	1,2,3-Trichloropropane	20.	U	
79-34-5	1,1,2,2-Tetrachloroethane	20.	UJ	117
103-65-1	n-Propylbenzene	20.	U	
95-49-8	2-Chlorotoluene	20.	U	
106-43-4	4-Chlorotoluene	20.	U	
108-67-8	1,3,5-Trimethylbenzene	20.	U	
98-06-6	tert-Butylbenzene	20.	U	
95-63-6	1,2,4-Trimethylbenzene	20.	U	
135-98-8	sec-Butylbenzene	20.	U	
541-73-1	1,3-Dichlorobenzene	20.	U	
106-46-7	1,4-Dichlorobenzene	20.	U	
99-87-6	p-Isopropyltoluene	20.	U	
95-50-1	1,2-Dichlorobenzene	20.	U	
104-51-8	n-Butylbenzene	20.	U	
96-12-8	1,2-Dibromo-3-chloropropane	20.	UJ	117
120-82-1	1,2,4-Trichlorobenzene	20.	U	
91-20-3	Naphthalene	20.	UJ	117
87-68-3	Hexachlorobutadiene	20.	U	
87-61-6	1,2,3-Trichlorobenzene	20.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

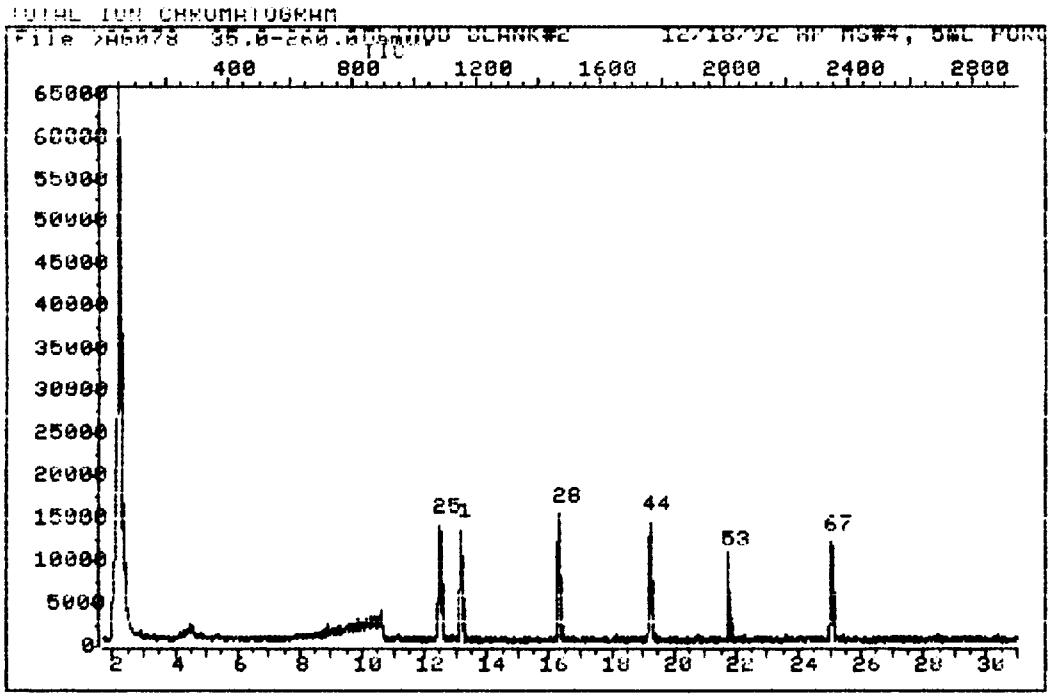
QUANT REPORT

Operator ID: KELLY Quant Rev: 7 Quant Time: 921218 15:47
Output File: ^AG078::D3 Injected at: 921218 15:14
Data File: >AG078::D6 Dilution Factor: 1.00000
Name: METHOD BLANK#2 Instrument ID: HP MSD#1
Misc: 12/18/92 HP MS#4, 5mL PURGE

ID File: IDAG1D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:27 Last Qcal Time: 921218 13:30

	Compound	Q ion	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	96.0	1150	25867	10.00	UG/L	97
25)	BENZENE-D6	84.0	1080	28809	10.01	UG/L	97
28)	*TOLUENE-D8	98.0	1466	22488	10.00	UG/L	94
44)	*CHLOROBENZENE-D5	117.0	1759	15978	10.00	UG/L	98
53)	p-BROMOFLUOROBENZENE	174.0	2013	6113	9.99	UG/L	98
67)	1,2-DICHLOROBENZENE-D4	152.0	2346	7148	10.38	UG/L	84

* Compound is ISTD



Data File: >AG078::D6 Quant Output File: ^AG078::D3
Name: METHOD BLANK#2 Instrument ID: HP MSD#1
Misc: 12/18/92 HP MS#4, 5mL PURGE

Id File: IDAG1D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921218 13:50

Operator ID: KELLY
Quant Time : 921218 15:47
Injected at: 921218 15:14

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R07

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R07

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: >AG079

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: not dec.---- Date Analyzed: 12/18/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	10.	U J
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U J
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	U J
594-20-7	2,2-Dichloropropane	2.	U J
156-59-2	cis-1,2-Dichloroethene	2.	U J
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U J
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U J
107-06-2	1,2-Dichloroethane	2.	U J
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U J
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

MT 1/25/93

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R07

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R07

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: >AG079

Level: (low/med) LOW Date Received: 12/14/92

% Moisture: not dec.---- Date Analyzed: 12/18/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
124-48-1	Dibromochloromethane	2.	U
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	2.	U
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	2.	U
1083836423	m &/or p-Xylene	2.	U
95-47-6	o-Xylene	2.	U
100-42-5	Styrene	2.	U
75-25-2	Bromoform	2.	U
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	UJ
79-34-5	1,1,2,2-Tetrachloroethane	2.	UJ
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	UJ
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	UJ
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	UJ
96-12-8	1,2-Dibromo-3-chloropropane	2.	UJ
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	2.	UJ
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

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FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R10

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R10

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: >AG080

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec.---- Date Analyzed: 12/18/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	10.	UJ
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	UJ
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	UJ
594-20-7	2,2-Dichloropropane	2.	UJ
156-59-2	cis-1,2-Dichloroethene	2.	UJ
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	UJ
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	UJ
107-06-2	1,2-Dichloroethane	2.	UJ
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	UJ
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

MT 1/25/93

Are there any TICs ? (Please check a box) YES [ ] NO [✓]

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R10

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R10

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: >AG080

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec.---- Date Analyzed: 12/18/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
124-48-1	Dibromochloromethane	2.	U
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	2.	U
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	2.	U
1083836423	m &/or p-Xylene	2.	U
95-47-6	o-Xylene	2.	U
100-42-5	Styrene	2.	U
75-25-2	Bromoform	2.	U
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	UJ
79-34-5	1,1,2,2-Tetrachloroethane	2.	UJ
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	UJ
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	UJ
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	UJ
96-12-8	1,2-Dibromo-3-chloropropane	2.	UJ
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	2.	UJ
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

MA 1/25/93

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S16

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S16

Sample wt/vol: 0.25 (g/mL) mL Lab File ID: >AG081

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec.---- Date Analyzed: 12/18/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	60.	U
74-87-3	Chloromethane	60.	U
75-01-4	Vinyl chloride	60.	U
74-83-9	Bromomethane	60.	U
75-00-3	Chloroethane	60.	U
75-69-4	Trichlorofluoromethane	60.	U
107-64-1	Acrolein	200.	U
75-35-4	1,1-Dichloroethene	150.	
67-64-1	Acetone	200.	UJ
75-15-0	Carbon disulfide	40.	U
75-09-2	Methylene chloride	40.	U
156-60-5	trans-1,2-Dichloroethene	40.	U
107-13-1	Acrylonitrile	200.	UJ
75-34-3	1,1-Dichloroethane	290.	
108-05-4	Vinylacetate	200.	UJ
594-20-7	2,2-Dichloropropane	40.	UJ
156-59-2	cis-1,2-Dichloroethene	710.	J
78-93-3	2-Butanone	200.	U
74-97-5	Bromochloromethane	40.	U
67-66-3	Chloroform	16.	J
71-55-6	1,1,1-trichloroethane	1700.	
56-23-5	Carbon tetrachloride	300.	
563-58-6	1,1-Dichloropropene	40.	U
71-43-2	Benzene	40.	UJ
107-06-2	1,2-Dichloroethane	40.	UJ
79-01-6	Trichloroethene	480.	
78-87-5	1,2-Dichloropropane	40.	U
74-95-3	Dibromomethane	40.	U
75-27-4	Bromodichloromethane	40.	U
10061-01-5	cis-1,3-dichloropropene	40.	U
108-88-3	Toluene	40.	U
108-10-1	4-Methyl-2-pentanone	100.	UJ
10061-02-6	trans-1,3-Dichloropropene	40.	U
127-18-4	Tetrachloroethene	240.	
79-00-5	1,1,2-Trichloroethane	40.	U
142-28-9	1,3-Dichloropropane	40.	U
591-78-6	2-Hexanone	100.	U

Are there any TICs ? (Please check a box) YES [ ] NO [✓]

FORM I VOA 1/89 Rev.

1/25/93

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S16

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S16

Sample wt/vol: 0.25 (g/mL) mL Lab File ID: >AG081

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec.---- Date Analyzed: 12/18/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
124-48-1	Dibromochloromethane	40.	U
106-93-4	1,2-Dibromoethane	40.	U
108-90-7	Chlorobenzene	40.	U
630-20-6	1,1,1,2-Tetrachloroethane	40.	U
100-41-4	Ethylbenzene	40.	U
1083836423	m &/or p-Xylene	40.	U
95-47-6	o-Xylene	40.	U
100-42-5	Styrene	40.	U
75-25-2	Bromoform	40.	U
98-82-8	Isopropylbenzene	40.	U
108-86-1	Bromobenzene	40.	U
96-18-4	1,2,3-Trichloropropane	40.	UJ
79-34-5	1,1,2,2-Tetrachloroethane	40.	UJ
103-65-1	n-Propylbenzene	40.	U
95-49-8	2-Chlorotoluene	40.	U
106-43-4	4-Chlorotoluene	40.	U
108-67-8	1,3,5-Trimethylbenzene	40.	UJ
98-06-6	tert-Butylbenzene	40.	U
95-63-6	1,2,4-Trimethylbenzene	40.	UJ
135-98-8	sec-Butylbenzene	40.	U
541-73-1	1,3-Dichlorobenzene	40.	U
106-46-7	1,4-Dichlorobenzene	40.	U
99-87-6	p-Isopropyltoluene	40.	U
95-50-1	1,2-Dichlorobenzene	40.	U
104-51-8	n-Butylbenzene	40.	UJ
96-12-8	1,2-Dibromo-3-chloropropane	40.	UJ
120-82-1	1,2,4-Trichlorobenzene	40.	U
91-20-3	Naphthalene	40.	UJ
87-68-3	Hexachlorobutadiene	40.	U
87-61-6	1,2,3-Trichlorobenzene	40.	U

MJ 1/25/93

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

122292BLK1

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Matrix: (soil/water) WATER Lab Sample ID: 122292BLK1

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: >AG086

Level: (low/med) LOW Date Received: 12/22/92

% Moisture: not dec.---- Date Analyzed: 12/22/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	10.	U ~~X~~ n7
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U ~~X~~ n7
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	U ~~X~~ n7
594-20-7	2,2-Dichloropropane	2.	U ~~X~~ n7
156-59-2	cis-1,2-Dichloroethene	2.	U ~~X~~ n7
78-93-3	2-Butanone	3.	J ~~B~~ n7
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	1.	J ~~B~~ n7
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
	2-Chloroethyl vinylether	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U

Are there any TICs ? (Please check a box) YES |__| NO |✓|

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

122292BLK1

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Matrix: (soil/water) WATER Lab Sample ID: 122292BLK1

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: >AG086

Level: (low/med) LOW Date Received: 12/22/92

% Moisture: not dec.---- Date Analyzed: 12/22/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
591-78-6	2-Hexanone	5.	U
124-48-1	Dibromochloromethane	2.	U
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	2.	U
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	2.	U
1083836423	m &/or p-Xylene	2.	U
95-47-6	o-Xylene	2.	U
100-42-5	Styrene	2.	U
75-25-2	Bromoform	2.	U
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	U
79-34-5	1,1,2,2-Tetrachloroethane	2.	U
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	U
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	U
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	U
96-12-8	1,2-Dibromo-3-chloropropane	2.	U
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	2.	U
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R11

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R11

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: >AG087

Level: (low/med) LOW Date Received: 12/22/92

% Moisture: not dec.---- Date Analyzed: 12/22/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	UJ
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	U
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	2.	U
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	2.	UJ
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
---	2-Chloroethyl vinylether	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U

MT 1/25/93

Are there any TICs ? (Please check a box) YES [ ] NO [✓]

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01R11

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Matrix: (soil/water) WATER Lab Sample ID: 93SV01R11

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: >AG087

Level: (low/med) LOW Date Received: 12/22/92

% Moisture: not dec.---- Date Analyzed: 12/22/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
591-78-6	2-Hexanone	5.	U
124-48-1	Dibromochloromethane	2.	U
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	2.	U
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	2.	U
1083836423	m &/or p-Xylene	2.	U
95-47-6	o-Xylene	2.	U
100-42-5	Styrene	2.	U
75-25-2	Bromoform	2.	U
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	U
79-34-5	1,1,2,2-Tetrachloroethane	2.	UJ
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	U
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	U
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	U
96-12-8	1,2-Dibromo-3-chloropropane	2.	UJ
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	2.	U
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

U.S. Environmental Protection Agency Region V

Superfund Document Management System (SDMS)

Lab Data Reference Sheet

Please contact the Superfund Records Manager for further information.

I. Unscannable item due to format

___ Graph

___ Mail receipts

X Sample tags

II. Image Quality (Pages follow / No. of pages ____)

___ Resolution / Contrast

ESAT Technical Instruction Document (TID)

TID NO:	05-92-12-20	ESAT ZONE:	1
DATE:	12-02-92	CONTRACT NO:	68D10158

CONTRACTOR ACCOUNT CODE: 232-51-028	5	REGION		ZMO		HQ

TID TYPE:		PRIORITY		TYPE OF PROGRAM		EPA SITE ID/ACCOUNT NO.:
X	Original	X	High	X	SARA	CASE NO.(If Applicable):
	Modification		Medium		RCRA	
	No.:		Low(Specify)		Other(Specify)	EPA SITE NAME: South East Rockford, IL 93TGB05WUDK

APPLICABLE TASK AREA:

X	(1)Analysis		(2)Data Review		(3)Administrative Support		(4)QA/QC Support
	(5)Other:				(6)Management and Reporting		

ESTIMATED HOURS REQUIRED: 400	
START DATE: 12-04-92	COMPLETION DATE: 1/05/93

TASK DESCRIPTION:

Analyze the site samples as per the mini-QAPP requirements ;see the target compound list, frequency of MS/MSD data collection and other QA/QC requirements. Submit the data packages **ASAP** for all successfull sample analyses. **LAN #: ROCKFORD.VOA**

SPECIFIC ELEMENTS: See mini-QAPP for QA/QC requirements	INTERIM DEADLINES: Attmept to deliver the data **ASAP**

SOP/METHOD AVAILABLE?	X	Yes		No	ATTACHMENTS?:		Yes	X	No

SOP/METHOD NO.: CRL Methods 624NS/624VOC

REQUIRED REPORT FORM/FORMAT (Specify):

As per the mini-QAPP or the standard CRL data deliverables

RPO/PO APPROVAL: Jay Thakkar

TASK MONITOR:	BABU PARUCHURI	PHONE:	(312)353-3646
TID RECEIVED BY:	Bernie Miller	DATE:	12-2-92

ESAT Work Unit Document (WUD)

REQUESTOR:	NIDIA FUENTES	DATE:	12-04-92
SITE NAME:	SF 1077 SE ROCKFORD		
SUPERFUND ACCOUNT NUMBER:			
TASK AREA:	VOA ANALYSIS		

To be completed by Task Monitor

TASK DESCRIPTION:

ANALYZE 5 VOA SAMPLES. (DAY 1 - 5 SAMPLES)

DELIVERABLES:

COMPLETE DATA PACKAGE / DATA SET.

START DATE:	12-04-92	COMPLETION DATE:	12-17-92
ESTIMATED HOURS:	45 HOURS		

To be completed by PO/RPO

WORK UNIT NUMBER:	232-51-028	TID NUMBER:	05-92-12-20
PO/RPO APPROVAL:	Jay Thompson	DATE:	12-7-92

To be completed by ESAT

COI CHECK COMPLETED?: Yes	ESAT CONTACT: (ETM or Group Leader)
ETM ACKNOWLEDGEMENT OF RECEIPT: Denise Miller 12-7-92	
COMPLETION DATE:	HOURS

To be completed by PO/RPO/TM

EVALUATION	RECIEVED BY:		
TECHNICAL:	ACCEPTED		DATE:
TIMELINESS:	RETURN		DATE:
BUDGET:	*Please attach a separate page for comments.*		

REGION SPECIFIC INFORMATION

PROJECT NO: SF 1077 SE ROCKFORD DAY 1 SAMPLES (5) LAN SF1077V1.FRM

ESAT Work Unit Document (WUD)

REQUESTOR:	NIDIA FUENTES	DATE:	12-07-92
SITE NAME:	SF 1077 SE ROCKFORD		
SUPERFUND ACCOUNT NUMBER:			
TASK AREA:	VOA ANALYSIS		

To be completed by Task Monitor

TASK DESCRIPTION:

ANALYZE 3 VOA SAMPLES. (DAY 4 - 3 SAMPLES)

DELIVERABLES:

COMPLETE DATA PACKAGE / DATA SET.

START DATE:	12-07-92	COMPLETION DATE:	12-21-92
ESTIMATED HOURS:	27 HOURS		

To be completed by PO/RPO

WORK UNIT NUMBER:	232-51-028	TID NUMBER:	05-92-12-20
PO/RPO APPROVAL:	Jay Thurston	DATE:	12-9-92

To be completed by ESAT

COI CHECK COMPLETED?: Y.S	ESAT CONTACT: (ETM or Group Leader)
ETM ACKNOWLEDGEMENT OF RECEIPT: Jessie Miller 12-9-92	
COMPLETION DATE:	HOURS

To be completed by PO/RPO/TM

EVALUATION	RECIEVED BY:		
TECHNICAL:	ACCEPTED		DATE:
TIMELINESS:	RETURN		DATE:
BUDGET:	*Please attach a separate page for comments.*		

REGION SPECIFIC INFORMATION

PROJECT NO: SF 1077 SE ROCKFORD DAY 4 SAMPLES (3) LAN SF1077V4.FRM

ESAT Work Unit Document (WUD)

REQUESTOR:	NIDIA FUENTES	DATE:	12-07-92
SITE NAME:	SF 1077 SE ROCKFORD		
SUPERFUND ACCOUNT NUMBER:			
TASK AREA:	VOA ANALYSIS		

To be completed by Task Monitor

TASK DESCRIPTION:

ANALYZE VOA SAMPLES. (DAY 2 - 4 SAMPLES)

DELIVERABLES:

COMPLETE DATA PACKAGE / DATA SET.

START DATE:	12-07-92	COMPLETION DATE:	12-18-92
ESTIMATED HOURS:	36 HOURS		

To be completed by PO/RPO

WORK UNIT NUMBER:	232-31-028	TID NUMBER:	0592-R-20
PO/RPO APPROVAL:	Jay Thurston	DATE:	

To be completed by ESAT

COI CHECK COMPLETED?:	ESAT CONTACT: (ETM or Group Leader)
ETM ACKNOWLEDGEMENT OF RECEIPT:	
COMPLETION DATE:	HOURS

To be completed by PO/RPO/TM

EVALUATION	RECIEVED BY:		
TECHNICAL:	ACCEPTED		DATE:
TIMELINESS:	RETURN		DATE:
BUDGET:	*Please attach a separate page for comments.*		

REGION SPECIFIC INFORMATION

PROJECT NO: SF 1077 SE ROCKFORD DAY 2 SAMPLES (4) LAN SF1077V2.FRM

ESAT Work Unit Document (WUD)

REQUESTOR:	NIDIA FUENTES	DATE:	12-16-92
SITE NAME:	SF 1077 SE ROCKFORD		
SUPERFUND ACCOUNT NUMBER:			
TASK AREA:	VOA ANALYSIS		

To be completed by Task Monitor

TASK DESCRIPTION:

ANALYZE 3 VOA SAMPLES. (DAY 7 - 4 SAMPLES)

DELIVERABLES:

COMPLETE DATA PACKAGE / DATA SET.

START DATE:	12-16-92	COMPLETION DATE:	12-30-92
ESTIMATED HOURS:	20 HOURS		

To be completed by PO/RPO

WORK UNIT NUMBER:	232-51-028	TID NUMBER:	05-92-12-20
PO/RPO APPROVAL:	Jay Thomas	DATE:	12-16-92

To be completed by ESAT

COI CHECK COMPLETED?: Yes	ESAT CONTACT: (ETM or Group Leader)
ETM ACKNOWLEDGEMENT OF RECEIPT: Dennis Miller 12-16-92	
COMPLETION DATE:	HOURS

To be completed by PO/RPO/TM

EVALUATION	RECIEVED BY:		
TECHNICAL:	ACCEPTED		DATE:
TIMELINESS:	RETURN		DATE:
BUDGET:	*Please attach a separate page for comments.*		

REGION SPECIFIC INFORMATION

PROJECT NO: SF 1077 SE ROCKFORD DAY 7 SAMPLES (4) LAN SF1077V7.FRM

ESAT Work Unit Document (WUD)

REQUESTOR:	NIDIA FUENTES	DATE:	12-16-92
SITE NAME:	SF 1077 SE ROCKFORD		
SUPERFUND ACCOUNT NUMBER:			
TASK AREA:	VOA ANALYSIS		

To be completed by Task Monitor

TASK DESCRIPTION:

ANALYZE 3 VOA SAMPLES. (DAY 8 - 3 SAMPLES)

DELIVERABLES:

COMPLETE DATA PACKAGE / DATA SET.

START DATE:	12-16-92	COMPLETION DATE:	12-30-92
ESTIMATED HOURS:	15 HOURS		

To be completed by PO/RPO

WORK UNIT NUMBER:	232-51-028	TID NUMBER:	05-92-12-20
PO/RPO APPROVAL:	Jay Thakkar	DATE:	12-16-92

To be completed by ESAT

COI CHECK COMPLETED?: YES	ESAT CONTACT: (ETM or Group Leader)
ETM ACKNOWLEDGEMENT OF RECEIPT: Denise Miller	
COMPLETION DATE:	HOURS

To be completed by PO/RPO/TM

EVALUATION	RECIEVED BY:		
TECHNICAL:	ACCEPTED		DATE:
TIMELINESS:	RETURN		DATE:
BUDGET:	*Please attach a separate page for comments.*		

REGION SPECIFIC INFORMATION

PROJECT NO: SF 1077 SE ROCKFORD DAY 8 SAMPLES (3) LAN SF1077V8.FRM

D93000 1077 DM1

ENVIRONMENTAL PROTECTION AGENCY TFA301
FOR THE TEAM: TOXIC SUBSTANCES

DIVISION/BRANCH SUPERFUND SAMPLE DATE 12/1-2/92 LAB ARRIVAL DATE 12/3/92 DUE DATE 12/24/92

DU NUMBER TFA DATA SET NUMBER 1077 STUDY SE ROCKFORD PRIORITY N CONTRACTOR N

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17684	WATER ABN ORGANICS SCAN UG/L TOX 17674	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93SV01S01	BH3 5-016112-13-14	X			
93SV01S02	BH2 (MS/MSD) 5-016118-19-207-2-3-4-5-6	X			
93SV01D02	BH2 DUPLICATE 5-016115-6-7	X			
93SV01S03	BH1 5-016127-8-9-30	X			
93SV01R01	TRIP BLANK 5-016104-5-6	X			
	A. Guglietta 1/13/93				

DIVISION/BRANCH [illegible] SAMPLE DATE 12/3/92 LAB ARRIVAL DATE 12/4/92 DUE DATE [illegible]

DU NUMBER TFA DATA SET NUMBER 1077 STUDY SE ROCKFORD PRIORITY N CONTRACTOR N

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17684	WATER ABN ORGANICS SCAN UG/L TOX 17674	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93SV01S04	BHI-A CMS/MSD 5-016131-2 [illegible]	X			
93SV01D04	BHI-A 5-016143-4-5-6	X			
93SV01R02	TRIP BLANK 5-016147-8-9	X			
93SV01R03	METHOD BLANK 5-016150-51-52	X			
	A. Giglotta 1/13/93				

D93000 1077

TFA301

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: TOXIC SUBSTANCES

DIVISION/BRANCH SF SAMPLE DATE 12-4-92 LAB ARRIVAL DATE 12-7-92 DUE DATE 12-28-92

DU NUMBER TFA DATA SET NUMBER ~~SF~~ 1077 STUDY S.E. Rockford PRIORITY N CONTRACTOR N

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17684	~~WATER ABN ORGANICS SCAN UG/L TOX 17674~~ TGS's	~~SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215822~~	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93SV01S05	BH1B(ms,msD)	X	5-016155-64/5	-016172-73	
93SV01D05	BH1B	X	5-06165-68		
93SV01T04	STP Trip Blank	X	5-06169-71		
A. Guglietta 1/13/93					

D930001077 Dry 4

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: TOXIC SUBSTANCES TFA301

DIVISION/BRANCH SUPERFUND SAMPLE DATE 12/7/92 LAB ARRIVAL DATE 12/8/92 DUE DATE 12/29/92

DU NUMBER TFA DATA SET NUMBER 1077 STUDY SE ROCKFORD PRIORITY N CONTRACTOR N

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17584	WATER ABN ORGANICS SCAN UG/L TOX 17574	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93SV01S06	BHC (MS/MSD) 5-016183-4-5-6-7-8-9-90 91-2-3-4	X			
93SV01D06	BHC 5-016179-80-1-2	X			
93SV01R05	TRIP BLANK 5-016174-78	X			
A. Jughetta 1/13/93					

D930001077 DAY5

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: TOXIC SUBSTANCES TFA301

DIVISION/BRANCH SUPERFUND SAMPLE DATE 12/8/92 LAB ARRIVAL DATE 12/9/92 DUE DATE 12/30/92

DU NUMBER TFA DATA SET NUMBER 1077 STUDY S.E. ROCKFORD PRIORITY N CONTRACTOR N

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17684	WATER ABN ORGANICS SCAN UG/L TOX 17574	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93SV01R06	TRIPBLANK 5-016484-485 5-016487	X			
93SV01S07	BHI D 5-016476-7-8-9	X			
93SV01D07	BHI D-DUPLICATE 5-016480-1-2-3	X			
93SV01S08	BHI E 5-016488-9-90-1	X			
93SV01D08	BHIE-DUPLICATE 5-016492-3-4-5	X			
	A. Guglietta 1/13/93				

D930001077 DAYG

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: TOXIC SUBSTANCES TFA301

DIVISION/BRANCH SUPERFUND SAMPLE DATE 12/9/92 LAB ARRIVAL DATE 12/10/92 DUE DATE 12/31/92

DU NUMBER TFA DATA SET NUMBER 1077 STUDY S.E. ROCKFORD PRIORITY N CONTRACTOR N

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17564	WATER ABN ORGANICS SCAN UG/L TOX 17574	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93SV01R07	TRIPBLANK5-016201-2-3	X			
93SV01S09	BHIF5-016204-5-6-7	X			
93SV01S10	BHIG5-016208-9-10-11	X			
A. Guglietta 1/13/93					

D930001077

DAY 7

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: TOXIC SUBSTANCES

TFA 301

DIVISION/BRANCH SUPERFUND SAMPLE DATE 12/14/92 LAB ARRIVAL DATE 12/15/92 DUE DATE 1/5/93

DU NUMBER TFA DATA SET NUMBER 1077 STUDY S.E. ROCKFORD PRIORITY N CONTRACTOR N

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17684	WATER ABN ORGANICS SCAN UG/L TOX 17674	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93SV01R08	5-016216-17-18 [redacted] TRIPBLANK	X			
93SV01S11	BH2A 5-016213-14-15	X			
93SV01S12	BH2B 5-016219-20-21	X			
93SV01S13	BH2C 5-016222-23-24	X			
A. Guglietta 1/13/93					

D930001077

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: TOXIC SUBSTANCES TFA301 DAY8

DIVISION/BRANCH SUPERFUND SAMPLE DATE 12/15/92 LAB ARRIVAL DATE 12/16/92 DUE DATE 1/6/93

DU NUMBER TFA DATA SET NUMBER 1077 STUDY S.E. ROCKFORD PRIORITY N CONTRACTOR N

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17684	WATER ABN ORGANICS SCAN UG/L TOX 17674	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93SV01R09	TRIP BLANK 5-016495-6-7	X			
93SV01S14	BH2D 5-016498-99-200	X			
93SV01S15	BH2E 5-016496-7-8-9	X			
	Q. Gugliotta 1/13/93				

D93000 1077 DM9

ENVIRONMENTAL PROTECTION AGENCY TFA301
FOR THE TEAM: TOXIC SUBSTANCES

DIVISION/BRANCH SUPERFUND SAMPLE DATE 12/17/92 LAB ARRIVAL DATE 12/18/92 DUE DATE 1/8/93

DU NUMBER TFA DATA SET NUMBER 1077 STUDY S.E. ROCKFORD PRIORITY N CONTRACTOR N

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17664	WATER ABN ORGANICS SCAN UG/L TOX 17674	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93SV01R10	TRIP BLANK 5-016226-7-28	X			
93SV01S16	GH2F 5-016229-30-31	X			
A. Guglotta 1/13/93					

United States Department of the Interior

GEOLOGICAL SURVEY

P.O. Box #427
De Kalb, IL 60115

October 27, 1992

Mr. Jay Thakker
U.S. Environmental Protection Agency
536 S. Clark Street
Chicago, IL 60605

Dear Mr. Thakker:

As per our discussion of October 19, I would like to provide some additional information about the anticipated water quality at the Southeast Rockford Site. I would like to run analyses for the following VOC's at an absolute minimum:

> TCE, TCA, total DCE, total DCA, PCE, PCA and vinyl chloride. It would be helpful, but not essential, if the concentrations of the isomers for these compounds could be provided (ex. break total DCE down to cis-1,2-DCE and trans-1,2-, etc.).

Analyzing for chlorobenzene, benzene, ethylbenzene, xylene, toluene, acetone and methylene chloride would also be helpful, though not essential. If any additional VOC's can be analyzed for without additional time or expense, I would like to analyze for them.

Based on previous sampling results, I anticipate the following ranges of concentrations (in micrograms per liter) for the samples collected from borehole 1.

1,1-DCE	non detect to 940
1,1-DCA	non detect to 2,900
c-1,2-DCE	non detect to 2,800
t-1,2-DCE	non detect to 55
Chloroform	non detect to 130
1,2-DCA	non detect to 62
1,1,1-TCA	non detect to 12,000
TCE	non detect to 3,600
1,1,2-TCA	non detect to 60
PCE	non detect to 1,200

Based on previous sampling results, I anticipate the following ranges of concentrations for the samples collected from borehole 2.

1,1-DCE	non detect to 200
1,1-DCA	non detect to 150
c-1,2-DCE	non detect to 150

Chloroform	non detect to 30
1,1,1-TCA	non detect to 1,000
TCE	non detect to 400
PCE	non detect to 150

Based on previous sampling results, I anticipate the following ranges of concentrations for the samples collected from borehole 3.

1,1-DCE	non detect to 20
1,1-DCA	non detect to 20
1,2-DCA	non detect to 20
1,1,1-TCA	non detect to 50
TCE	non detect to 50
1,1,2-TCA	non detect to 10
PCE	non detect to 20

We have decided to postpone the start of sampling until December 3. We will ship a minimum of five and a maximum of seven samples each day, including duplicates, blanks, etc. As per our agreement, we would appreciate it if you could provide us with the following by November 13.

acid preservative, sample tags, chain-of-custody seals, chain-of-custody forms, address to ship the samples to, laboratory contact person, and account number.

We would appreciate you sending any other materials you feel we might need to comply with chain-of-custody and/or identification procedures.

Feel free to call me at (815) 753-1162 if you have any questions or comments concerning this document.

Sincerely,

Robert. T. Kay
Hydrologist

RTK:lmc
cc: Ms. Karen Vendl, EPA,
Chicago, IL
Subdistrict files, WRD,
De Kalb, IL

ESAT-5-007.0

To: Jay Thakkar, DPO EPA

For: Transmittal to: Babu Paruchuri, EPA Task Monitor

Thru: Dennis Miller, ESAT Team Manager

From: Anthony Gugliotta, ESAT Chemist
Ziyad A. Rajabi, ESAT Chemist

Copies: Ira Wilson, ESAT Assistant Team Manager
Kelly Head, ESAT Organic Group Leader

Date: January 13, 1993

SUBJECT: Data Set SF1077 (Part 1 of 2)
Volatile Organic Analysis (VOA)

CASE NARRATIVE

Method Number: CLP SOW 2/88 Site Name: S. E. Rockford

Date Generated: January 13, 1993 Charge Number: 232-51-028

Author: Ziyad A. Rajabi TID Number: 05-92-12-20

This narrative covers all samples received under this data set up to December 18, 1992. The remaining samples will be submitted at a later date under a separate cover.

1. Case Description.

A total of thirty three (33) low level water samples from data set SF1077 were submitted for volatile organic analysis (VOA) by GC/MS utilizing CRL SOP modified as per QAPP documentation of 11-16-92.

The samples 93SV01S01, S02, S03, D02, and R01 were collected on 12-01,02-92 and received on 12-03-92.

The samples 93SV01S04, D04, R02, and R03 were collected on 12-03-92 and received on 12-04-92.

The samples 93SV01S05, D05, and R04 were collected on 12-04-92 and received on 12-07-92.

The samples 93SV01S06, D06, and R05 were collected on 12-07-92 and received on 12-08-92.

The samples 93SV01S07, D07, S08, D08, and R06 were collected on 12-08-92 and received on 12-09-92.

The samples 93SV01S09, S10, and R07 were collected on 12-9-92 and received on 12-10-92.

The samples 93SV01S11, S12, S13, and R08 were collected on 12-14-92 and received on 12-15-92.

The samples 93SV01S14, S15, and R09 were collected on 12-15-92 and received on 12-16-92.

The samples 93SV01S16 and R10 were collected on 12-17-92 and received on 12-18-92.

All samples were analyzed within the fourteen (14) day holding time from the date of collection.

Several samples required dilutions due to the high concentration of the target compounds.

The samples were analyzed between December 8 and 22 of 1992 using the Hewlett-Packard (HP) 5970 GC/MS. Two field blanks were analyzed using the Finnigan Incos 50 GC/MS on December 10, 1992.

2. Instrument Tuning.

On each analysis day, the BFB (50 ng) tune criteria were met for the initial calibration and all continuing calibrations.

3. Initial Calibration.

One initial calibration for 5, 25, 50, 100, and 150 µg/L concentrations of the TCLs was performed on December 8, 1992 using the Hewlett-Packard (HP) 5970 GC/MS. All analytes met the requirements for percent relative standard deviation (%RSD < 35%) and minimum response factor (RF > 0.001) except for high %RSD for Vinyl acetate, 1,1,2,2-Tetrachloroethane, and 1,2-Dibromo-3-chloropropane (FORM VI).

One initial calibration for 5, 10, 15, 20, and 25 µg/L concentrations of the TCLs was performed on December 9, 1992 using

the Finnigan Incos 50 GC/MS. All analytes met the requirements for percent relative standard deviation (%RSD < 30%) and minimum response factor (RF > 0.001) (FORM VI).

4. Continuing Calibration.

Six continuing calibrations at 50 µg/L were performed using the Hewlett-Packard (HP) 5970 GC/MS.

A continuing calibration was performed on December 9, 1992. All analytes met the requirements for percent differences (%D < 30%) and response factors (RF > 0.001) except for high %D for Trichlorofluoromethane, Vinyl acetate, 1,1,2,2-Tetrachloroethane, and 1,2-Dibromo-3-chloropropane (Form VII).

A continuing calibration was performed on December 10, 1992. All analytes met the requirements for percent differences (%D < 30%) and response factors (RF > 0.001) except for high %D for Acrolein, Vinyl acetate, 2-Butanone, 4-Methyl-2-pentanone, 2-Hexanone, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane, and Naphthalene (Form VII).

A continuing calibration was performed on December 14, 1992. All analytes met the requirements for percent differences (%D < 30%) and response factors (RF > 0.001) except for high %D for Vinyl acetate, 1,1,2,2-Tetrachloroethane, and 1,2-Dibromo-3-chloropropane (Form VII).

A continuing calibration was performed on December 16, 1992. All analytes met the requirements for percent differences (%D < 30%) and response factors (RF > 0.001) except for high %D for Vinyl acetate, 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane, and Naphthalene (Form VII).

A continuing calibration was performed on December 18, 1992. All analytes met the requirements for percent differences (%D < 30%) and response factors (RF > 0.001) except for high %D for Acetone, Acrylonitrile, Vinyl acetate, 2,2-Dichloropropane, *cis*-1,2-Dichloroethene, Chloroform, 1,1,1-trichloroethane, 1,1-Dichloropropene, Benzene, 1,2-Dichloroethane, 4-Methyl-2-pentanone, 1,1,1,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, *n*-Butylbenzene, 1,2-Dibromo-3-chloropropane, and Naphthalene (Form VII). 19

A continuing calibration was performed on December 22, 1992. All

analytes met the requirements for percent differences (%D < 30%) and response factors (RF > 0.001) except for high %D for Acrolein, Acetone, Trichloroethene, 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane, and Naphthalene (Form VII). 6

One continuing calibration at 15 µg/L were performed on December 10, 1992 using the Finnigan Incos 50 GC/MS. All analytes met the requirements for percent differences (%D < 30%) and response factors (RF > 0.001) except for high %D for Bromomethane, Methylene chloride, Acetone, Acrolein, Acrylonitrile, 1,2-Dichloroethane, 2-Butanone, and Vinyl acetate (Form VII). 7

None of the calibration outliers mentioned above were detected above their method detection limits in any of the associated samples, except for *cis*-1,2-dichloroethene (32.7 %D) and 1,1,1-trichloroethane (30.8 %D) which were found in sample 93SV01S16 (analyzed on 12/18/93). Sample 93SV01S16 was analyzed at a 20X dilution; therefore, the results of these two analytes should be considered estimated (J).

5. Quality Control.

a. Analysis Summary

All standards, samples, and method blanks were analyzed in a 12-hour period from the injection of BFB (50 ng).

b. Surrogate Recovery Summary

Prior to analysis, all samples and method blanks were spiked with surrogates. The surrogate recoveries in all samples and method blanks were within the required Q.C. limits (Form II) except for low recoveries which were observed for 92SV01R04. This sample was reanalyzed. All recoveries were within the Q.C. limits for the reanalysis.

c. Internal Standard Area and Retention Time Summary

The internal standard areas and their retention times were within the required Q.C. limits for all samples and method blanks (Form VIII B/C) except for low recoveries which were observed for 92SV01R04. This sample was reanalyzed. All recoveries were within the Q.C. limits for the reanalysis.

6. Sample Results.

a. Method Blank Results

Seven low level water blank were associated with this data set. The following is the result for the method blanks are as follows:

Method Blank	Number of TCLs	Number of TICs
120892BLK2	0	0
120992BLK1	3	0
121092BLK1	2	0
121492BLK2	4	0
121692BLK1	0	0
121892BLK2	0	0
122292BLK1	2	0
12102BLK1 (Incos)	2	0

b. Sample Results

There were no TICs detected in any of the samples. The results of the TCL compounds in the samples are as follows:

Sample	Number of TCL Compounds
93SV01R01	3
93SV01S01	2
93SV01R02	2
93SV01S02	8
93SV01D02	8
93SV01R03	1
93SV01S03	8
93SV01R04	2
93SV01S04	8
93SV01D04	8
93SV01R05	4
93SV01S05	8
93SV01D05	8
93SV01R06	4
93SV01S06	8
93SV01D06	7
93SV01R07	0
93SV01S07	7
93SV01D07	11
93SV01R08	0
93SV01S08	11
93SV01D08	14
93SV01R09	1
93SV01S09	7
93SV01R10	0
93SV01S10	8
93SV01R11	0
93SV01S11	6
93SV01S12	7
93SV01S13	8
93SV01S14	8
93SV01S15	8
93SV01S16	8

7. Conclusions

Most samples reported TCL compounds concentration requiring dilution. Recoveries of all internal standards and surrogates were acceptable; therefore, data is acceptable.

ESAT-5-018.1

LOCKHEED
ANALYTICAL LABORATORY
TIME TRACKING RECORD

Task Number: 231-51-028
TID Number: 05-92-12-20
SF Number: SF1077
Site Name: SE Rockford
Assigned To:

Date Assigned: 12-4-92 ~~12-~~92 KDH 1-20-93
Date Due: 12-31-92
Estimated Hours: 480

VOA ✓ BNA _____ Pest/PCBs _____ Other _____

****

Extraction Record

Person:	Date:	Hours:

****

Analysis Record

Person:	Date:	Hours:
KDW/AG	12/4	1.5/5/
ZR/AG/KH	12/11	20/18/15
ZR/KH/AG	12/18	16/12/32
ZR/AG	12/25	4/28
AG	1/1	4/
ZR/AG ZR/AG	1/8 1/15	18/32 12.5/29.5

****

QA/QC Record

Person:	Date:	Hours:
KH	1/15	1

****

LIMS Data Entry

Person:	Date:	Hours:

****

Comments: This not all of the samples from this site.

****

Total Hours: 249.5 EMT: _____

LOCKHEED ENGINEERING & SCIENCES COMPANY

VOLATILE ORGANIC DELIVERABLES CHECK-OFF LIST

DATA SET NUMBER: SF1077 CHARGE NUMBER: 231-51-028

PRESENT	NOT REQD	ITEM
		REPORTING INFORMATION
[✓]	[ ]	SAMPLE REPORT LOG
[✓]	[ ]	DATA SET CUSTODY TRANSFER FORM
[ ]	[ ]	NARRATIVE
[✓]	[ ]	RUN SEQUENCE
[ ]	[✓]	ABN BENCH SHEET
		AOC
[✓]	[ ]	SURROGATE RECOVERY (FORM II)
[✓]	[ ]	MATRIX SPIKE/DUP (FORM III)
[ ]	[✓]	MS/MSD RAW DATA
[✓]	[ ]	METHOD BLANK (FORM VI)
[✓]	[ ]	MASS CAL/TUNING (FORM V)
[✓]	[ ]	MASS CAL RAW DATA
[✓]	[ ]	MDL RESULTS

PRESENT	NOT REQD	ITEM
		CALIBRATION DATA
[✓]	[ ]	INITIAL CAL RRF (FORM VI)
[✓]	[ ]	ICV RAW DATA
[✓]	[ ]	CONT CAL VERIFI (FORM VII)
[✓]	[ ]	CCV RAW DATA
[✓]	[ ]	INT STD AREA & RT (FORM VIII)
		SAMPLE DATA
[✓]	[ ]	ID FILE (SHORT) (HP ONLY)
[✓]	[ ]	TCL RESULTS (FORM I)
[ ]	[✓]	TIC RESULTS (FORM I-TIC)
[✓]	[ ]	SAMPLE RAW DATA
[ ]	[ ]	SAMPLE TAGS
[✓]	[ ]	ARCHIVE REFERENCE
[✓]	[ ]	QC SUMMARY PACKAGE (FORMS 2-8)

LOCKHEED ENGINEERING AND SCIENCE COMPANY
REGION 5
ESAT PROJECT
536 SOUTH CLARK STREET
CHICAGO, IL 60605

RAW DATA ARCHIVING AND DATA SET RECONSTRUCTION FORM

DISK OR TAPE NUMBER: Tape 9

RUN DATE(S): 12-8,9,10,14,16,18,22-92
INSTRUMENT NO: HP#4
ANALYST(S): AG, KH, ZR

SAMPLE SUMMARY MATRIX

DATA SET NUMBER:	SF1077				
TASK NUMBER:	231-51-028				
DU/ACTIVITY NUMBER:	TFA301				
PARAMETER:	VOA				
MATRIX:	Water				
NUMBER OF SAMPLES:					
DATE RECEIVED:	12-3→12-15				
DATE EXTRACTED:	NA				
NOTEBOOK/PAGE NO:					
DATE ASSAYED:					

FILE IDENTIFICATION SUMMARY

TUNING FILE:	AG004	AG014	AG029	AG044	AG056	AG073 AG08
BLANK FILE:	AG011	AG017	AG032	AG048	AG059	AG078 AG08

PRIMARY COLUMN

INITIAL CALIBRATION FILE: AG005 - AG009
CONTINUING CALIBRATION FILES: AG0~~06~~, AG031, AG045, AG052, AG076, AG085
STANDARDS FILES:
SAMPLE FILES: AG019→AG025, AG034→AG042, AG048→55, 60→72, 78-81 AG087
ID/METHOD FILES: IDAG1B, IDAG1C, IDAG1D, IDAG1E CBAG1B

SECONDARY COLUMN

INITIAL CALIBRATION FILE:
CONTINUING CALIBRATION FILES:
STANDARDS FILES:
SAMPLE FILES:
ID/METHOD FILES:

NA

ESAT-5-010.1

2A
WATER VOLATILE SURROGATE RECOVERY

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: -- SDG No.: --

	EPA SAMPLE NO.	S1 (BEN)#	S2 (BFB)#	S3 (DCB)#	OTHER	TOT OUT
01	120892BLK2	114	99	101		0
02	ICAL CHECK	116	99	99		0
03	120892BLK3	115	95	95		0
04	120992BLK1	100	101	102		0
05	93SV01R01	102	96	108		0
06	93SV01R02	105	101	105		0
07	93SV01R03	101	100	104		0
08	93SV01S1DL	103	102	107		0
09	93SV01S03	103	97	94		0
10	93SV01S4D1	103	96	101		0
11	121092BLK1	103	100	99		0
12	93SV01S01	103	98	103		0
13	93SV01S02	107	99	103		0
14	93SV01D02	103	96	99		0
15	93SV01S4D2	101	99	103		0
16	93SV01D04	103	99	103		0
17	93SV01S05	101	100	103		0
18	93SV01D05	105	100	102		0
19	121492BLK2	102	88	81		0
20	93SV01S6D1	102	94	101		0
21	93SV01D6D1	101	88	82		0
22	93SV01S07	102	97	98		0
23	93SV01D07	100	97	103		0
24	93SV01S08	100	94	99		0
25	93SV01D08	100	98	103		0
26	93SV01S09	100	95	101		0
27	93SV01S10	99	95	100		0
28						
29						
30						

		QC LIMITS
S1 (BEN)	= Benzene-d6	(70-130)
S2 (BFB)	= Bromofluorobenzene	(70-130)
S3 (DCB)	= 1,2-Dichlorobenzene-d4	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II VOA-1 1/87 Rev.

2A
WATER VOLATILE SURROGATE RECOVERY

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

	EPA SAMPLE NO.	S1 (BEN)#	S2 (BFB)#	S3 (DCB)#	OTHER	TOT OUT
01	121692BLK1	103	98	100		0
02	93SV1R08	101	101	101		0
03	93SV1S11D1	101	101	100		0
04	93SV01R04	102	100	106		0
05	93SV01S12	102	104	103		0
06	93SV01S13	103	100	99		0
07	93SV01S6D2	102	103	103		0
08	93SV01D6D2	101	103	102		0
09	93SV01S06	102	100	104		0
10	93SV01D06	101	103	103		0
11	93SV1S11D2	100	103	105		0
12	93SV01R09	101	98	102		0
13	93SV01S14	103	98	102		0
14	93SV01S15	101	103	103		0
15	121892BLK2	100	94	104		0
16	93SV01R07	101	95	100		0
17	93SV01R10	103	95	103		0
18	93SV01S16	99	95	102		0
19	122292BLK1	102	95	101		0
20	93SV01R11	100	95	99		0
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
S1 (BEN)	= Benzene-d6	(70-130)
S2 (BFB)	= Bromofluorobenzene	(70-130)
S3 (DCB)	= 1,2-Dichlorobenzene-d4	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II VOA-1 1/87 Rev.

2A
WATER VOLATILE SURROGATE RECOVERY

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1077 SAS No.: NA SDG No.: NA

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BEN)#	S3 (DCE)#	OTHER	TOT OUT
01	92SV01R04	144 *	125 *	97		2
02	92SV01R05	94	99	110		0
03	92SV01R06	91	100	111		0
04	1210BLK2	100	97	96		0

	QC LIMITS
S1 (TOL) = Toluene-d8	(78-134)
S2 (BEN) = Benzene-d6	(88-112)
S3 (DCE) = 1,2-Dichloroethane-d4	(75-111)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID: >AG011 Lab Sample ID: 120892BLK2

Date Analyzed: 12/08/92 Time Analyzed: 16:33

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

Instrument ID: HP MS#4

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	ICAL CHECK	ICAL CHECK	>AG012	17:13
02	120892BLK3	METHOD BLK#3	>AG013	17:52
03				
04				
05				
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID: >AG017 Lab Sample ID: 120992BLK1

Date Analyzed: 12/09/92 Time Analyzed: 12:28

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

Instrument ID: HP MS #4

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	93SV01R01	93SV01R01	>AG019	14:16
02	93SV01R02	93SV01R02	>AG020	14:55
03	93SV01R03	93SV01R03	>AG021	15:34
04	93SV01S1DL	93SV01S01DL	>AG022	16:14
05	93SV01S03	93SV01S03	>AG024	17:32
06	93SV01S4D1	93SV01S04DL1	>AG025	18:11
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID: >AG032 Lab Sample ID: 121092BLK1

Date Analyzed: 12/10/92 Time Analyzed: 1 13:55

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

Instrument ID: HP MSD#~~1~~ 4 ag 1/13/93

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	93SV01S01	93SV01S01	>AG034	15:04
02	93SV01S02	93SV01S02	>AG035	15:50
03	93SV01D02	93SV01D02	>AG038	17:50
04	93SV01S4D2	93SV01S04DL2	>AG039	18:29
05	93SV01D04	93SV01D04	>AG040	19:09
06	93SV01S05	93SV01S05	>AG041	19:49
07	93SV01D05	93SV01D05	>AG042	20:29
08				
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COMMENTS:

FORM IV VOA 1/87 Rev.

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID: >AG047 Lab Sample ID: 121492BLK2

Date Analyzed: 12/14/92 Time Analyzed: 1 12:06

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

Instrument ID: HP MS #4

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	93SV01S6D1	93SV01S06DL1	>AG048	13:57
02	93SV01D6D1	93SV01D06DL1	>AG049	14:38
03	93SV01S07	93SV01S07	>AG050	15:18
04	93SV01D07	93SV01D07	>AG051	15:57
05	93SV01S08	93SV01S08	>AG052	16:34
06	93SV01D08	93SV01D08	>AG053	17:10
07	93SV01S09	93SV01S09	>AG054	17:46
08	93SV01S10	93SV01S10	>AG055	18:23
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077

Lab File ID: >AG059 Lab Sample ID: 121692BLK1

Date Analyzed: 12/16/92 Time Analyzed: 11:24

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

Instrument ID: HP MS#4

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	93SV01R08	93SV01R08	>AG060	1 12:19
02	93SV01S11D1	93SV01S11	>AG061	1 13:00
03	93SV01R04	93SV01R04	>AG062	1 13:48
04	93SV01S12	93SV01S12	>AG063	1 14:25
05	93SV01S13	93SV01S13	>AG064	1 15:02
06	93SV01S6D2	93SV01S06	>AG065	1 15:39
07	93SV01D6D2	93SV01D06	>AG066	1 16:16
08	93SV01S06	93SV01S06	>AG067	1 16:53
09	93SV01D06	93SV01D06	>AG068	1 17:30
10	93SV01S11D2	93SV01S11	>AG069	1 18:07
11	93SV01R09	93SV01R09	>AG070	1 19:13
12	93SV01S14	93SV01S14	>AG071	1 19:50
13	93SV01S15	93SV01S15	>AG072	1 20:27
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COMMENTS:

FORM IV VOA 1/87 Rev.

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077

Lab File ID: >AG078 Lab Sample ID: 121892BLK2

Date Analyzed: 12/18/92 Time Analyzed: 15:14

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

Instrument ID: HP MS#4

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	93SV01R07	93SV01R07	>AG079	1 15:52
02	93SV01R10	93SV01R10	>AG080	1 16:29
03	93SV01S16	93SV01S16	>AG081	1 17:06
04				
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID: >AG086 Lab Sample ID: 122292BLK1

Date Analyzed: 12/22/92 Time Analyzed: 14:43

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

Instrument ID: HP MS#4

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	93SV01R11	93SV01R11	>AG087	15:20
02				
03				
04				
05				
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COMMENTS:

FORM IV VOA 1/87 Rev.

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1077 SAS No.: NA SDG No.: NA

Lab File ID: 1210BLK2 Lab Sample ID: 1210BLK2

Date Analyzed: 12/10/92 Time Analyzed: 1312

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

Instrument ID: INCOS1

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	92SV01R04	92SV01R04	1077R04	1409
02	92SV01R05	92SV01R05	1077R05	1505
03	92SV01R06	92SV01R06	1077R06	1603

COMMENTS: CLP,1077,,1210BLK2,L,W,,V,BLANK
45' (3MIN) TO 220 @ 15'/MIN

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID: >AG004 BFB Injection Date: 12/08/92

Instrument ID: HP MS#4 BFB Injection Time: 11:24

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% OF MASS 95	23.4
75	30.0 - 60.0% OF MASS 95	54.7
95	Base peak, 100% relative abundance	100.
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	.9(1.3)1
174	Greater than 50.0% of mass 95	70.1
175	5.0 - 9.0% of mass 174	6.1(8.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	68.4(97.6)1
177	5.0 - 9.0% of mass 176	4.8(7.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VOASTD5	VOASTD05PPB	>AG005	12/08/92	11:50
02	VOASTD25	VOASTD25PPB	>AG006	12/08/92	13:17
03	VOASTD50	VOASTD50PPB	>AG007	12/08/92	13:56
04	VOASTD100	VOASTD100PPB	>AG008	12/08/92	14:36
05	VOASTD150	VOASTD150PPB	>AG009	12/08/92	15:15
06	120892BLK2	METHOD BLK#2	>AG011	12/08/92	16:33
07	ICAL CHECK	ICAL CHECK	>AG012	12/08/92	17:13
08	120892BLK3	METHOD BLK#3	>AG013	12/08/92	17:52
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FORM V VOA 1/87 Rev.

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

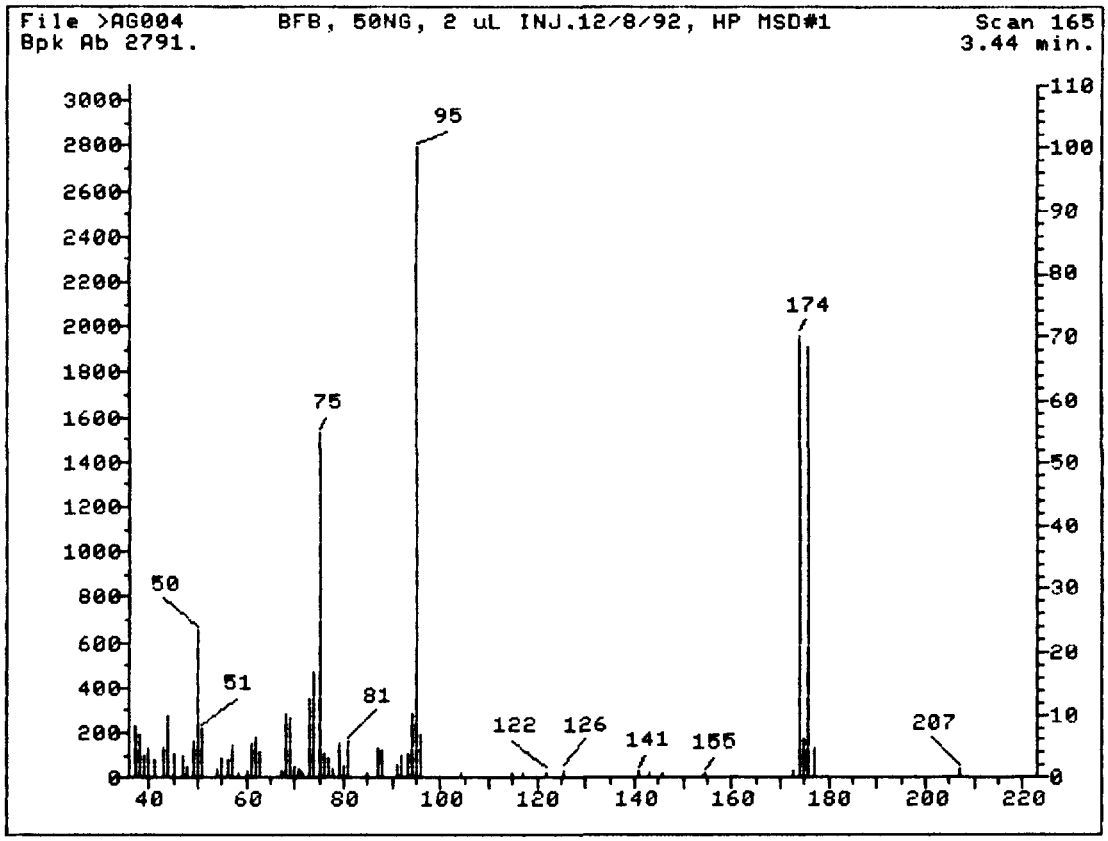
m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	23.40	23.40	Ok
75	30-60% of mass 95	54.68	54.68	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.95	6.95	Ok
173	Less than 2% of mass 174	.93	1.33	Ok
174	Greater than 50% of mass 95	70.08	70.08	Ok
175	5-9% of mass 174	6.06	8.64	Ok
176	95-101% of mass 174	68.43	97.65	Ok
177	5-9% of mass 176	4.80	7.02	Ok

Injection Date: 12/08/92
Injection Time: 11:24
Data File: >AG004
Scan: 165

MS data file header from : >AG095::D5

Sample: EDO 1091 93EN04S02 Operator: KELLY REG. GRP. 1/07/93 13:56
Misc : 1/7/93, 5mL PURGE
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MS#4
Method file: VOA#1 Tuning file: MTMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	10.	160.	0.	0.	0.
Chromatographic times, min. :	5.0	5.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0



MS data file header from : >AG095::D5

Sample: EDO 1091 93EN04S02 Operator: KELLY REG. GRP. 1/07/93 13:56
Misc : 1/7/93, 5mL PURGE
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MS#4
Method file: VOA#1 Tuning file: MTMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	10.	160.	0.	0.	0.
Chromatographic times, min. :	5.0	5.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

>AG004 BFB, 50NG, 2 uL INJ.12/8/92, HP MSD#1
165

File: >AG004 Scan #: 165 Retn. time: 3.44

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.05	60.00	54.05	38.00	70.65	37.00	84.95	21.00	125.70	31.00
37.05	228.00	55.05	86.00	71.15	29.00	87.00	139.00	140.80	30.00
38.05	188.00	56.05	79.00	71.35	28.00	87.90	121.00	143.20	23.00
39.05	94.00	57.05	145.00	71.85	23.00	90.90	57.00	145.65	22.00
40.05	136.00	58.55	19.00	73.05	353.00	92.10	99.00	154.25	16.00
41.05	77.00	60.05	32.00	74.05	477.00	93.10	103.00	154.75	21.00
43.05	136.00	61.05	155.00	75.05	1526.00	94.10	290.00	172.75	26.00
44.05	278.00	61.95	181.00	75.95	102.00	95.10	2791.00	173.95	1956.00
45.05	108.00	63.05	113.00	77.05	85.00	96.00	194.00	174.95	169.00
46.95	97.00	67.05	31.00	77.95	43.00	104.10	25.00	175.95	1910.00
48.05	49.00	68.05	290.00	78.95	152.00	114.80	18.00	176.95	134.00
49.05	162.00	69.05	263.00	80.15	47.00	117.00	23.00	207.00	37.00
50.05	653.00	70.05	52.00	80.85	160.00	121.80	24.00	223.10	28.00
51.05	215.00								

MS data file header from : >AG095::D5

Sample: EDO 1091 93EN04S02 Operator: KELLY REG. GRP. 1/07/93 13:56
Misc : 1/7/93, 5mL PURGE
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MS#4
Method file: VOA#1 Tuning file: MTMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	10.	160.	0.	0.	0.
Chromatographic times, min. :	5.0	5.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID: >AG014 BFB Injection Date: 12/09/92

Instrument ID: HP MS#4 BFB Injection Time: 10:07

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% OF MASS 95	22.3
75	30.0 - 60.0% OF MASS 95	49.3
95	Base peak, 100% relative abundance	100.
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.0(0.0)1
174	Greater than 50.0% of mass 95	69.6
175	5.0 - 9.0% of mass 174	5.5(8.0)1
176	Greater than 95.0%, but less than 101.0% of mass 174	67.4(96.9)1
177	5.0 - 9.0% of mass 176	4.6(6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	50 PPB STD	50 PPB STD	>AG016	12/09/92	11:18
02	120992BLK1	METHOD BLANK	>AG017	12/09/92	12:28
03	93SV01R01	93SV01R01	>AG019	12/09/92	14:16
04	93SV01R02	93SV01R02	>AG020	12/09/92	14:55
05	93SV01R03	93SV01R03	>AG021	12/09/92	15:34
06	93SV01S1DL	93SV01S01DL	>AG022	12/09/92	16:14
07	93SV01S03	93SV01S03	>AG024	12/09/92	17:32
08	93SV01S4D1	93SV01S04DL1	>AG025	12/09/92	18:11
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FORM V VOA 1/87 Rev.

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

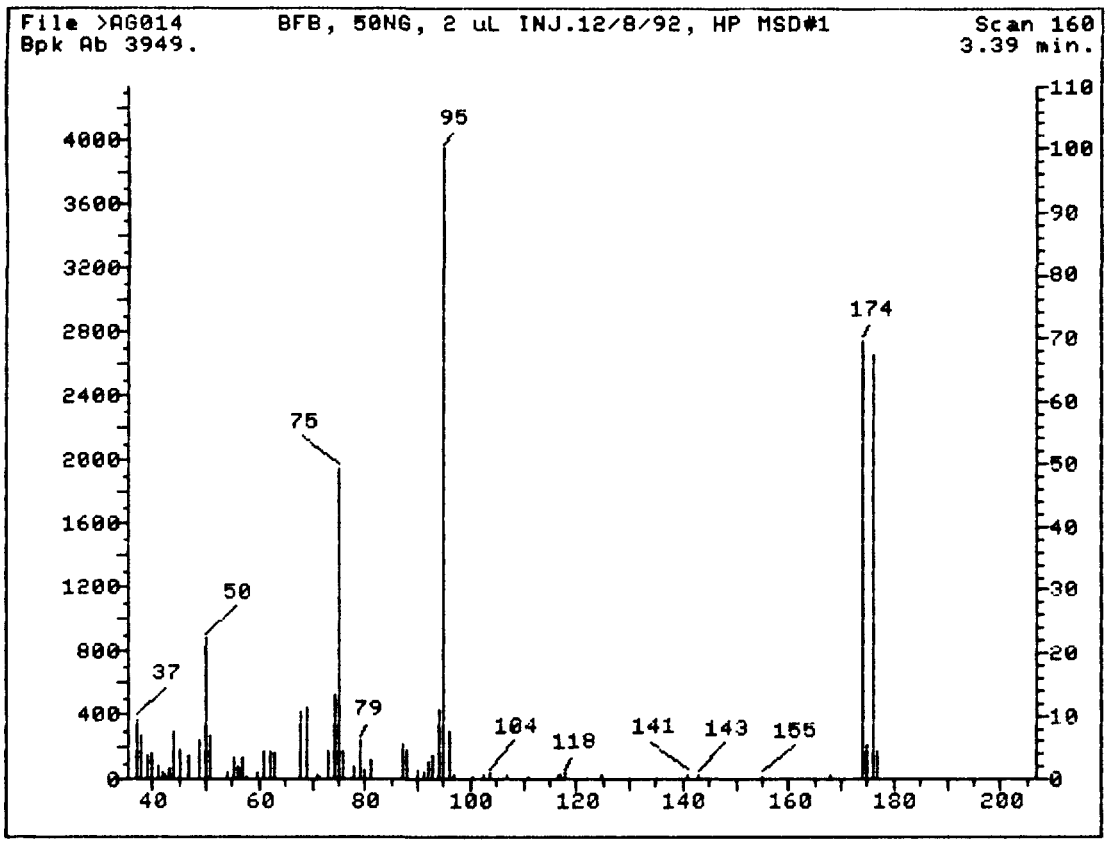
m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
50	15-40% of mass 95	22.33	22.33	Ok
75	30-60% of mass 95	49.30	49.30	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.62	7.62	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	69.61	69.61	Ok
175	5-9% of mass 174	5.55	7.97	Ok
176	95-101% of mass 174	67.43	96.87	Ok
177	5-9% of mass 176	4.63	6.87	Ok

Injection Date: 12/09/92
Injection Time: 10:07
Data File: >AG014
Scan: 160

MS data file header from : >AG095::D5

Sample: EDO 1091 93EN04S02 Operator: KELLY REG. GRP. 1/07/93 13:56
Misc : 1/7/93, 5mL PURGE
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MS#4
Method file: VOA#1 Tuning file: MTMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	10.	160.	0.	0.	0.
Chromatographic times, min. :	5.0	5.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0



MS data file header from : >AG095::D5

Sample: EDO 1091 93EN04S02 Operator: KELLY REG. GRP. 1/07/93 13:56
Misc : 1/7/93, 5mL PURGE
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MS#4
Method file: VOA#1 Tuning file: MTMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	10.	160.	0.	0.	0.
Chromatographic times, min. :	5.0	5.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

>AG014 BFB, 50NG, 2 uL INJ.12/8/92, HP MSD#1
160

File: >AG014 Scan #: 160 Retn. time: 3.39

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
35.55	18.00	50.95	272.00	71.05	28.00	90.00	50.00	116.70	24.00
37.05	366.00	53.95	41.00	71.35	19.00	91.10	44.00	117.00	24.00
38.05	264.00	55.05	135.00	73.05	179.00	92.00	116.00	117.80	38.00
38.95	145.00	56.05	80.00	74.05	528.00	93.00	156.00	124.90	27.00
39.95	157.00	56.95	136.00	74.95	1947.00	94.00	436.00	140.80	32.00
41.05	78.00	57.85	21.00	75.95	180.00	95.00	3949.00	142.90	27.00
42.05	38.00	59.85	47.00	77.95	80.00	96.10	301.00	154.95	17.00
42.35	24.00	60.95	180.00	78.95	238.00	97.00	34.00	168.05	24.00
43.05	68.00	62.05	180.00	79.75	47.00	100.50	19.00	173.95	2749.00
43.95	301.00	62.95	170.00	79.95	51.00	102.50	31.00	174.95	219.00
45.05	189.00	67.95	411.00	80.95	128.00	103.90	39.00	175.95	2663.00
46.95	149.00	68.95	446.00	87.00	222.00	106.90	26.00	176.95	183.00
48.95	247.00	70.85	27.00	88.00	190.00	111.10	18.00	206.90	65.00
50.05	882.00								

MS data file header from : >AG095::D5

Sample: EDO 1091 93EN04S02 Operator: KELLY REG. GRP. 1/07/93 13:56
Misc : 1/7/93, 5mL PURGE
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MS#4
Method file: VOA#1 Tuning file: MTMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	10.	160.	0.	0.	0.
Chromatographic times, min. :	5.0	5.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	6.0	0.0	0.0	.1	0.0

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID: >AG029 BFB Injection Date: 12/10/92

Instrument ID: HP MS#4 BFB Injection Time: 9:56

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% OF MASS 95	22.0
75	30.0 - 60.0% OF MASS 95	49.6
95	Base peak, 100% relative abundance	100.
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0(0.0)1
174	Greater than 50.0% of mass 95	56.4
175	5.0 - 9.0% of mass 174	4.7(8.2)1
176	Greater than 95.0%, but less than 101.0% of mass 174	55.7(98.8)1
177	5.0 - 9.0% of mass 176	3.8(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	50 PPB STD	50 PPB STD	>AG031	12/10/92	12:33
02	121092BLK1	METHOD BLANK	>AG032	12/10/92	13:55
03	93SV01S01	93SV01S01	>AG034	12/10/92	15:04
04	93SV01S02	93SV01S02	>AG035	12/10/92	15:50
05	93SV01D02	93SV01D02	>AG038	12/10/92	17:50
06	93SV01S04	93SV01S04	>AG039	12/10/92	18:29
07	93SV01D04	93SV01D04	>AG040	12/10/92	19:09
08	93SV01S05	93SV01S05	>AG041	12/10/92	19:49
09	93SV01D05	93SV01D05	>AG042	12/10/92	20:29
10					
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GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

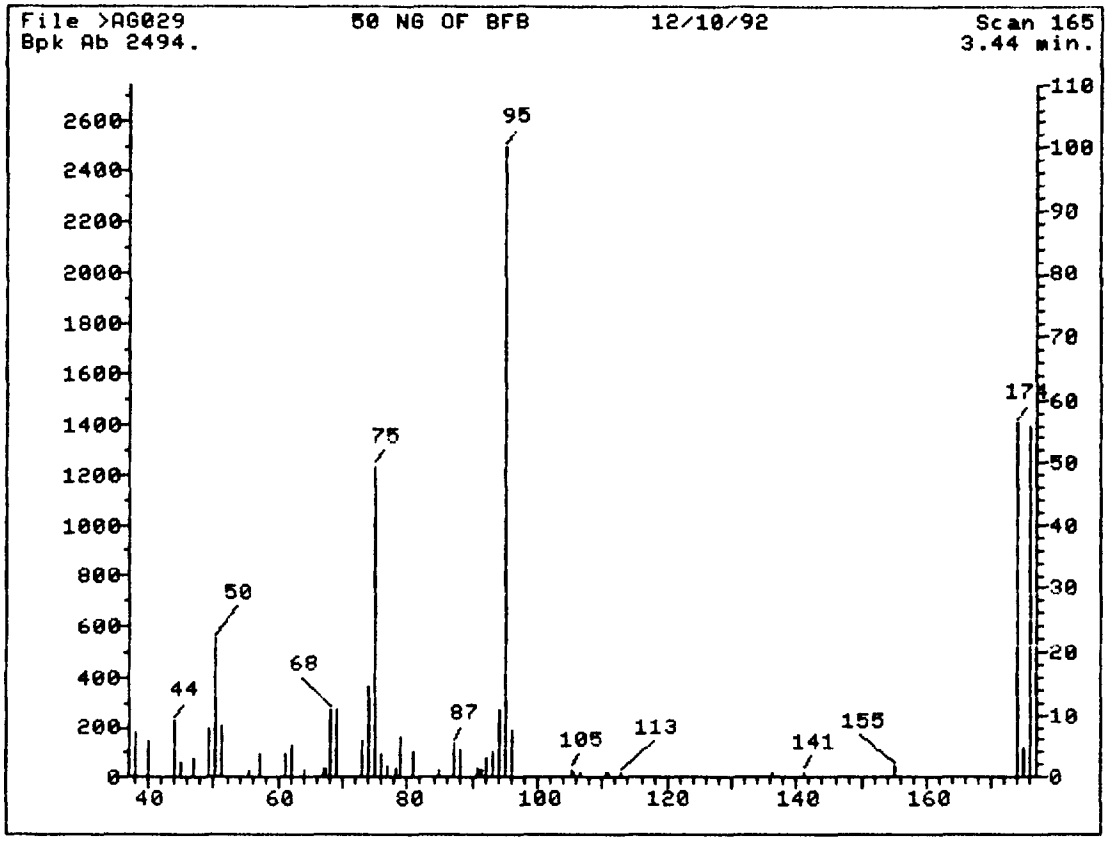
m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	21.97	21.97	Ok
75	30-60% of mass 95	49.56	49.56	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.42	7.42	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	56.42	56.42	Ok
175	5-9% of mass 174	4.65	8.24	Ok
176	95-101% of mass 174	55.73	98.79	Ok
177	5-9% of mass 176	3.81	6.83	Ok

Injection Date: 12/10/92
Injection Time: 09:56
Data File: >AG029
Scan: 165

MS data file header from : >AG029::D6

Sample: 50 NG OF BFB Operator: KELLY REG. GRP. 12/10/92 9:56
Misc : 12/10/92
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MSD#1
Method file: BFB#1 Tuning file: MTMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	100.	160.	0.	0.	0.
Chromatographic times, min. :	0.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	15.0	0.0	0.0	.1	0.0



MS data file header from : >AG029::D6

Sample: 50 NG OF BFB Operator: KELLY REG. GRP. 12/10/92 9:56
Misc : 12/10/92
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MSD#1
Method file: BFB#1 Tuning file: MTMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	100.	160.	0.	0.	0.
Chromatographic times, min. :	0.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	15.0	0.0	0.0	.1	0.0

>AG029 50 NG OF BFB 12/10/92
165

File: >AG029 Scan #: 165 Retn. time: 3.44

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
37.05	211.00	56.95	96.00	75.05	1236.00	91.10	29.00	110.60	21.00
38.05	175.00	61.05	91.00	75.95	95.00	91.40	31.00	110.80	23.00
39.95	144.00	61.95	126.00	76.95	48.00	92.10	77.00	112.80	17.00
44.05	228.00	63.95	26.00	78.05	40.00	93.10	105.00	136.20	18.00
45.05	63.00	66.95	40.00	78.95	159.00	94.10	272.00	141.10	23.00
46.95	80.00	67.35	33.00	80.95	106.00	95.10	2494.00	155.05	44.00
49.05	196.00	68.05	271.00	84.95	24.00	96.10	185.00	173.95	1407.00
50.05	548.00	69.05	269.00	87.10	134.00	105.10	28.00	174.95	116.00
51.05	201.00	73.05	148.00	88.10	109.00	105.50	19.00	175.95	1390.00
55.45	28.00	74.05	368.00	90.80	38.00	106.60	18.00	176.95	95.00

MS data file header from : >AG029::D6

Sample: 50 NG OF BFB Operator: KELLY REG. GRP. 12/10/92 9:56
Misc : 12/10/92
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MSD#1
Method file: BFB#1 Tuning file: MTMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	100.	160.	0.	0.	0.
Chromatographic times, min. :	0.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	15.0	0.0	0.0	.1	0.0

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077

Lab File ID: >AG044 BFB Injection Date: 12/14/92

Instrument ID: HP MS#4 BFB Injection Time: 9:52

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% OF MASS 95	23.6
75	30.0 - 60.0% OF MASS 95	47.6
95	Base peak, 100% relative abundance	100.
96	5.0 - 9.0% of mass 95	7.7
173	Less than 2.0% of mass 174	0.0(0.0)1
174	Greater than 50.0% of mass 95	71.4
175	5.0 - 9.0% of mass 174	5.9(8.2)1
176	Greater than 95.0%, but less than 101.0% of mass 174	69.2(96.9)1
177	5.0 - 9.0% of mass 176	4.7(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	50 PPB STD	50 PPB STD	>AG045	12/14/92	10:24
02	121492BLK2	METHOD BLANK	>AG047	12/14/92	12:06
03	93SV01S6D1	93SV01S06DL1	>AG048	12/14/92	13:57
04	93SV01D6D1	93SV01D06DL1	>AG049	12/14/92	14:38
05	93SV01S07	93SV01S07	>AG050	12/14/92	15:18
06	93SV01D07	93SV01D07	>AG051	12/14/92	15:57
07	93SV01S08	93SV01S08	>AG052	12/14/92	16:34
08	93SV01D08	93SV01D08	>AG053	12/14/92	17:10
09	93SV01S09	93SV01S09	>AG054	12/14/92	17:46
10	93SV01S10	93SV01S10	>AG055	12/14/92	18:23
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22					

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GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

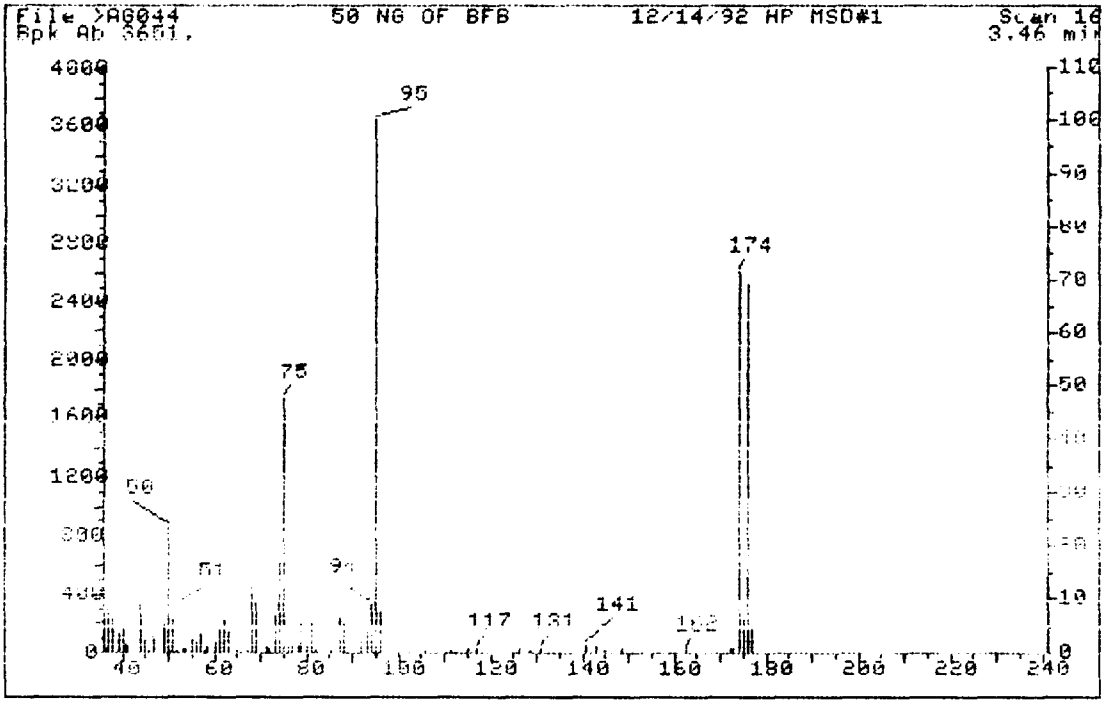
m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
50	15-40% of mass 95	23.58	23.58	Ok
75	30-60% of mass 95	47.63	47.63	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.72	7.72	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	71.41	71.41	Ok
175	5-9% of mass 174	5.86	8.21	Ok
176	95-101% of mass 174	69.21	96.93	Ok
177	5-9% of mass 176	4.71	6.81	Ok

Injection Date: 12/14/92
Injection Time: 09:52
Data File: >AG044
Scan: 166

MS data file header from : >AG044::D6

Sample: 50 NG OF BFB Operator: KELLY REG. GRP. 12/14/92 9:52
Misc : 12/14/92 HP MSD#1
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MSD#1
Method file: BFB#1 Tuning file: MTMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	100.	160.	0.	0.	0.
Chromatographic times, min. :	0.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	15.0	0.0	0.0	.1	0.0



MS data file header from : >AG044::D6

Sample: 50 NG OF BFB Operator: KELLY REG. GRP. 12/14/92 9:52
Misc : 12/14/92 HP MSD#1
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MSD#1
Method file: BFB#1 Tuning file: MIMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	100.	160.	0.	0.	0.
Chromatographic times, min. :	0.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	15.0	0.0	0.0	.1	0.0

>AG044 50 NG UF BFB 12/14/92 HP MSD#1
166

File: >AG044 Scan #: 166 Retn. time: 3.46

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
35.85	56.00	51.05	298.00	67.05	20.00	81.95	26.00	128.60	17.00
36.35	34.00	51.75	20.00	67.95	437.00	85.05	21.00	130.90	37.00
37.05	288.00	53.25	29.00	68.95	332.00	87.00	232.00	140.80	53.00
38.05	218.00	53.55	31.00	71.55	39.00	87.90	192.00	143.00	44.00
39.05	128.00	53.85	29.00	71.85	27.00	92.00	113.00	144.95	17.00
39.95	163.00	54.95	96.00	72.95	252.00	93.10	150.00	148.55	29.00
40.85	58.00	55.95	70.00	73.95	617.00	94.00	325.00	162.25	19.00
41.15	60.00	57.05	134.00	74.95	1739.00	95.00	3651.00	172.15	33.00
44.05	322.00	57.95	19.00	75.95	182.00	96.00	282.00	172.65	35.00
45.05	94.00	58.25	43.00	76.95	90.00	105.90	17.00	173.95	2607.00
45.65	17.00	59.95	71.00	78.15	63.00	111.20	18.00	174.95	214.00
45.95	15.00	61.05	156.00	78.85	184.00	114.90	26.00	175.95	2527.00
46.85	115.00	62.05	224.00	80.05	50.00	117.00	35.00	176.85	172.00
49.05	190.00	62.95	147.00	80.95	195.00	126.30	25.00	241.20	19.00
50.05	861.00	64.85	19.00						

MS data file header from : >AG044::D6

Sample: 50 NG UF BFB Operator: KELLY REG. GRP. 12/14/92 9:52
Misc : 12/14/92 HP MSD#1
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MSD#1
Method file: BFB#1 Tuning file: MIMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	100.	150.	0.	0.	0.
Chromatographic times, min. :	0.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	15.0	0.0	0.0	.3	0.0

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077

Lab File ID: >AG056 BFB Injection Date: 12/16/92

Instrument ID: HP MS#4 BFB Injection Time: 8:56

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% OF MASS 95	24.0
75	30.0 - 60.0% OF MASS 95	50.9
95	Base peak, 100% relative abundance	100.
96	5.0 - 9.0% of mass 95	8.5
173	Less than 2.0% of mass 174	1.1(1.6)1
174	Greater than 50.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5.2(7.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	66.9(97.2)1
177	5.0 - 9.0% of mass 176	5.9(8.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	50 PPB STD	50 PPB CC STD	>AG057	12/16/92	9:23
02	121692BLK1	METH. BLK 1	>AG059	12/16/92	11:24
03	93SV01R08	93SV01R08	>AG060	12/16/92	12:19
04	93SV01S11	93SV01S11	>AG061	12/16/92	13:00
05	93SV01R04	93SV01R04	>AG062	12/16/92	13:48
06	93SV01S12	93SV01S12	>AG063	12/16/92	14:25
07	93SV01S13	93SV01S13	>AG064	12/16/92	15:02
08	93SV01S06	93SV01S06	>AG065	12/16/92	15:39
09	93SV01D06	93SV01D06	>AG066	12/16/92	16:16
10	93SV01S06	93SV01S06	>AG067	12/16/92	16:53
11	93SV01D06	93SV01D06	>AG068	12/16/92	17:30
12	93SV01S11	93SV01S11	>AG069	12/16/92	18:07
13	93SV01R09	93SV01R09	>AG070	12/16/92	19:13
14	93SV01S14	93SV01S14	>AG071	12/16/92	19:50
15	93SV01S15	93SV01S15	>AG072	12/16/92	20:27
16					
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22					

FORM V VOA 1/87 Rev.

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

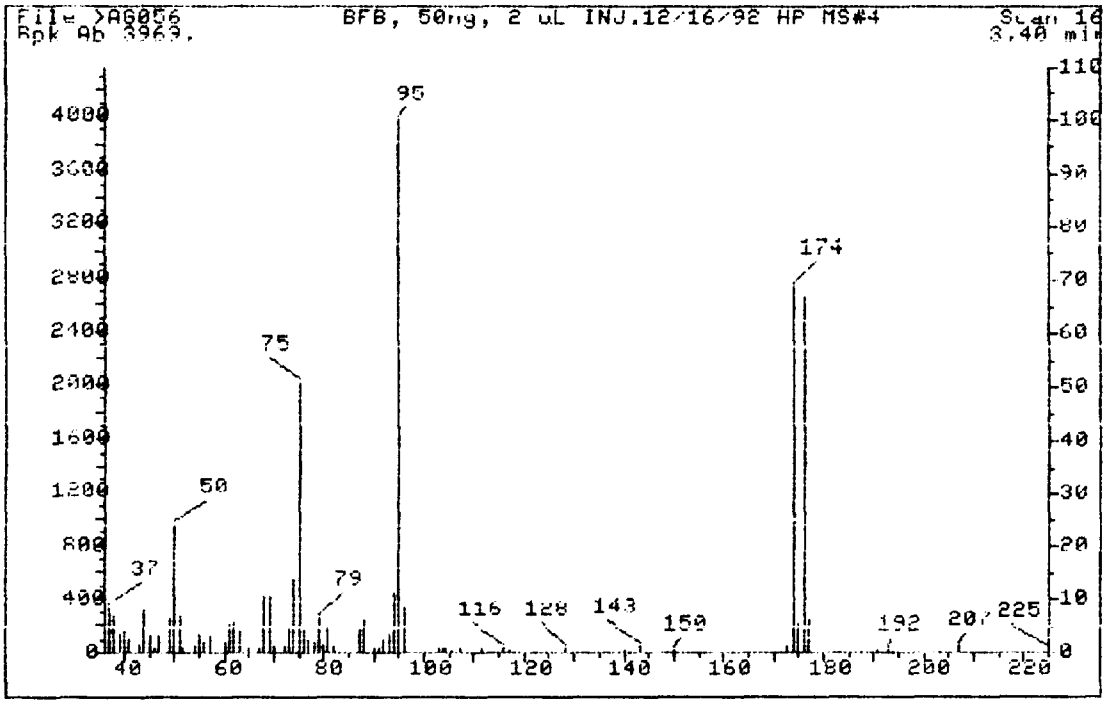
m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
50	15-40% of mass 95	23.96	23.96	Ok
75	30-60% of mass 95	50.87	50.87	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	8.54	8.54	Ok
173	Less than 2% of mass 174	1.11	1.61	Ok
174	Greater than 50% of mass 95	68.83	68.83	Ok
175	5-9% of mass 174	5.24	7.61	Ok
176	95-101% of mass 174	66.89	97.18	Ok
177	5-9% of mass 176	5.87	8.78	Ok

Injection Date: 12/16/92
Injection Time: 08:56
Data File: >AG056
Scan: 160

MS data file header from : >AG056::D6

Sample: BFB, 50ng, 2 uL INJ. Operator: KELLY REG. GRP. 12/16/92 8:56
Misc : 12/16/92 HP MS#4
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MSD#1
Method file: BFB#1 Tuning file: MIMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	100.	160.	0.	0.	0.
Chromatographic times, min. :	0.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	15.0	0.0	0.0	.1	0.0



MS data file header from : >AG056::D6

Sample: BFB, 50ng, 2 uL INJ. Operator: KELLY REG. GRP. 12/16/92 8:56
Misc : 12/16/92 HP MS#4
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MSD#1
Method file: BFB#1 Tuning file: MIMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	100.	160.	0.	0.	0.
Chromatographic times, min. :	0.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	15.0	0.0	0.0	.1	0.0

>AG056 BFB, 50ng, 2 uL INJ.12/16/92 HP MS#4
160

File: >AG056 Scan #: 160 Retn. time: 3.40

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
36.05	83.00	51.75	33.00	72.15	51.00	90.90	33.00	128.10	28.00
37.05	329.00	54.15	44.00	73.05	191.00	92.00	89.00	140.10	20.00
38.05	271.00	55.05	143.00	74.05	543.00	93.00	146.00	143.00	46.00
39.05	146.00	56.05	76.00	75.05	2019.00	94.00	453.00	149.95	16.00
39.95	154.00	57.05	125.00	75.95	175.00	95.00	3969.00	172.95	44.00
41.05	110.00	59.95	73.00	77.05	98.00	96.00	339.00	173.95	2732.00
42.95	63.00	61.05	211.00	77.95	76.00	102.90	30.00	175.05	208.00
44.05	311.00	61.95	221.00	78.95	261.00	103.60	26.00	175.95	2655.00
45.05	135.00	63.05	153.00	80.05	58.00	104.40	26.00	176.95	233.00
46.15	34.00	65.05	32.00	80.85	193.00	105.70	20.00	190.75	20.00
47.05	131.00	66.95	35.00	81.95	46.00	107.20	26.00	192.65	24.00
49.05	259.00	67.95	418.00	87.00	179.00	111.60	26.00	197.05	15.00
50.05	951.00	69.05	407.00	88.00	235.00	115.40	36.00	216.90	45.00
51.05	268.00	69.95	49.00	90.00	37.00	117.10	24.00	225.10	[illegible]

MS data file header from : >AG056::D6

Sample: BFB, 50ng, 2 uL INJ. Operator: KELLY [illegible] 12/16/92 8:56
Misc : 12/16/92 HP MS#4
Sys. #: 1 MS model: 70 SW/HW rev.: LF [illegible] : 0 [illegible]
Method file: BFB#1 Tuning file: [illegible] [illegible] : 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures : 100. 160. 0. 0. 0.
Chromatographic times, min. : 0.0 1.0 [illegible] 0.0 0.0
Chromatographic rate, deg/min: 15.0 0.0 0.0 .1 0.0

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID: >AG073 BFB Injection Date: 12/18/92

Instrument ID: HP MS#4 BFB Injection Time: 9:40

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% OF MASS 95	24.8
75	30.0 - 60.0% OF MASS 95	50.2
95	Base peak, 100% relative abundance	100.
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.0(1.3)1
174	Greater than 50.0% of mass 95	74.0
175	5.0 - 9.0% of mass 174	5.5(7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	74.7(101.0)1
177	5.0 - 9.0% of mass 176	5.6(7.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	50 PPB STD	50 PPB STD	>AG076	12/18/92	13:30
02	121892BLK2	METH. BLK 2	>AG078	12/18/92	15:14
03	93SV01R07	93SV01R07	>AG079	12/18/92	15:52
04	93SV01R10	93SV01R10	>AG080	12/18/92	16:29
05	93SV01S16	93SV01S16	>AG081	12/18/92	17:06
06					
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14					
15					
16					
17					
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19					
20					
21					
22					

FORM V VOA 1/87 Rev.

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

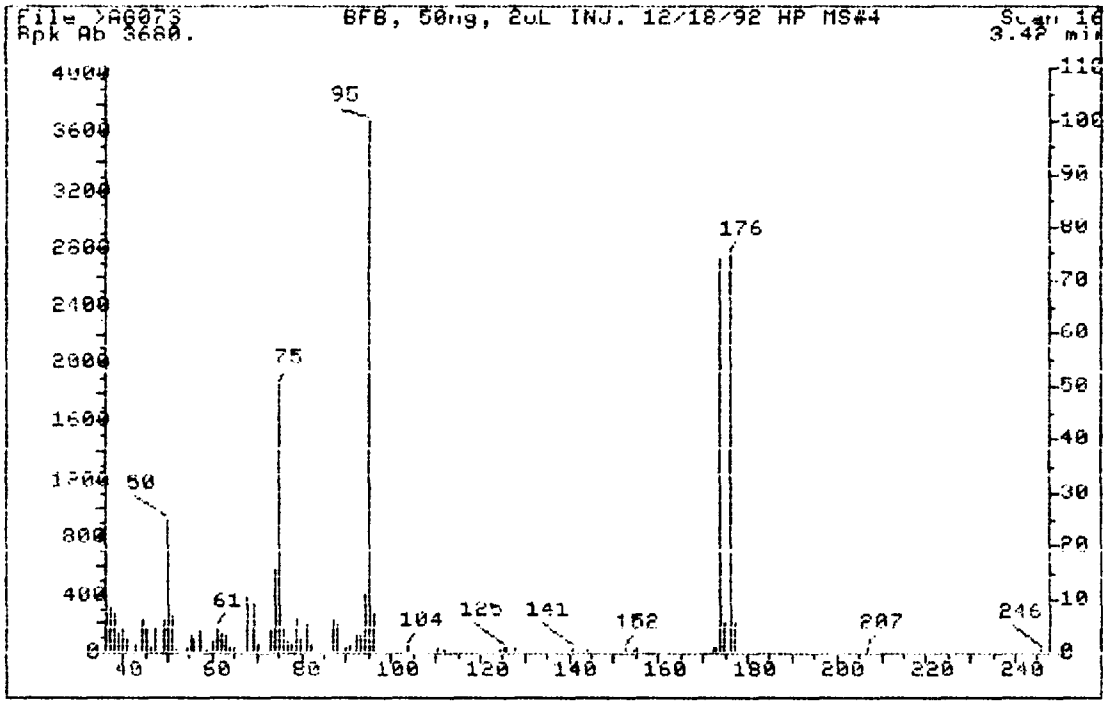
m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
50	15-40% of mass 95	24.81	24.81	Ok
75	30-60% of mass 95	50.24	50.24	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.23	7.23	Ok
173	Less than 2% of mass 174	.95	1.28	Ok
174	Greater than 50% of mass 95	74.02	74.02	Ok
175	5-9% of mass 174	5.49	7.42	Ok
176	95-101% of mass 174	74.73	100.95	Ok
177	5-9% of mass 176	5.63	7.53	Ok

Injection Date: 12/18/92
Injection Time: 09:40
Data File: >AG073
Scan: 164

MS data file header from : >AG073::D6

Sample: BFB, 50ng, 2uL INJ. Operator: STEVE SUPER GRP. 12/18/92 9:40
Misc : 12/18/92 HP MS#4
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MSD#1
Method file: BFB#1 Tuning file: MIMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	100.	160.	0.	0.	0.
Chromatographic times, min. :	0.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	15.0	0.0	0.0	.1	0.0



MS data file header from : >AG073::D6

Sample: BFB, 50ng, 2uL INJ. Operator: STEVE SUPER GRP. 12/18/92 9:40
Misc : 12/18/92 HP MS#4
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MSD#1
Method file: BFB#1 Tuning file: MIMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	100.	160.	0.	0.	0.
Chromatographic times, min. :	0.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	15.0	0.0	0.0	.1	0.0

>AG073 BFB, 50ng, 2uL INJ. 12/18/92 HP MS#4
164

File: >AG073 Scan #: 164 Retn. time: 3.42

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
35.95	63.00	52.15	15.00	70.05	64.00	90.80	38.00	144.10	16.00
37.05	307.00	54.45	31.00	72.95	149.00	92.00	121.00	152.65	32.00
38.05	263.00	55.05	117.00	73.95	573.00	93.10	119.00	154.45	16.00
39.05	132.00	55.85	96.00	74.95	1849.00	94.10	406.00	155.15	29.00
40.05	168.00	57.05	148.00	75.85	170.00	95.00	3680.00	172.45	31.00
41.05	108.00	58.75	21.00	76.95	79.00	96.10	266.00	172.75	35.00
42.85	59.00	59.85	73.00	77.85	54.00	103.80	40.00	173.95	2724.00
44.05	233.00	60.95	183.00	78.85	243.00	110.50	33.00	174.95	202.00
45.05	165.00	61.95	134.00	79.85	86.00	111.70	17.00	175.95	2750.00
46.05	25.00	62.95	114.00	80.95	187.00	124.30	19.00	176.95	207.00
47.05	168.00	63.95	35.00	81.95	56.00	125.40	34.00	207.10	31.00
49.05	219.00	64.85	30.00	87.00	225.00	125.60	34.00	245.80	19.00
50.05	913.00	67.95	387.00	88.00	197.00	127.90	29.00	247.80	16.00
51.05	255.00	68.95	352.00	89.90	24.00	140.90	34.00		

MS data file header from : >AG073::D6

Sample: BFB, 50ng, 2uL INJ. Operator: STEVE SUPER GRP. 12/18/92 9:40
Misc : 12/18/92 HP MS#4
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MSD#1
Method file: BFB#1 Tuning file: MIMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	100.	160.	0.	0.	0.
Chromatographic times, min. :	0.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	15.0	0.0	0.0	.1	0.0

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID: >AG083 BFB Injection Date: 12/22/92

Instrument ID: HP MS#4 BFB Injection Time: 11:14

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% OF MASS 95	23.8
75	30.0 - 60.0% OF MASS 95	51.8
95	Base peak, 100% relative abundance	100.
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0(0.0)1
174	Greater than 50.0% of mass 95	70.0
175	5.0 - 9.0% of mass 174	6.3(8.9)1
176	Greater than 95.0%, but less than 101.0% of mass 174	66.8(95.3)1
177	5.0 - 9.0% of mass 176	4.9(7.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	50 PPB STD	50 PPB STD	>AG085	12/22/92	12:27
02	122292BLK1	METH. BLK #1	>AG086	12/22/92	14:43
03	93SV01R11	93SV01R11	>AG087	12/22/92	15:20
04					
05					
06					
07					
08					
09					
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16					
17					
18					
19					
20					
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22					

FORM V VOA 1/87 Rev.

GC/MS PERFORMANCE STANDARD

Bromofluorobenzene (BFB)

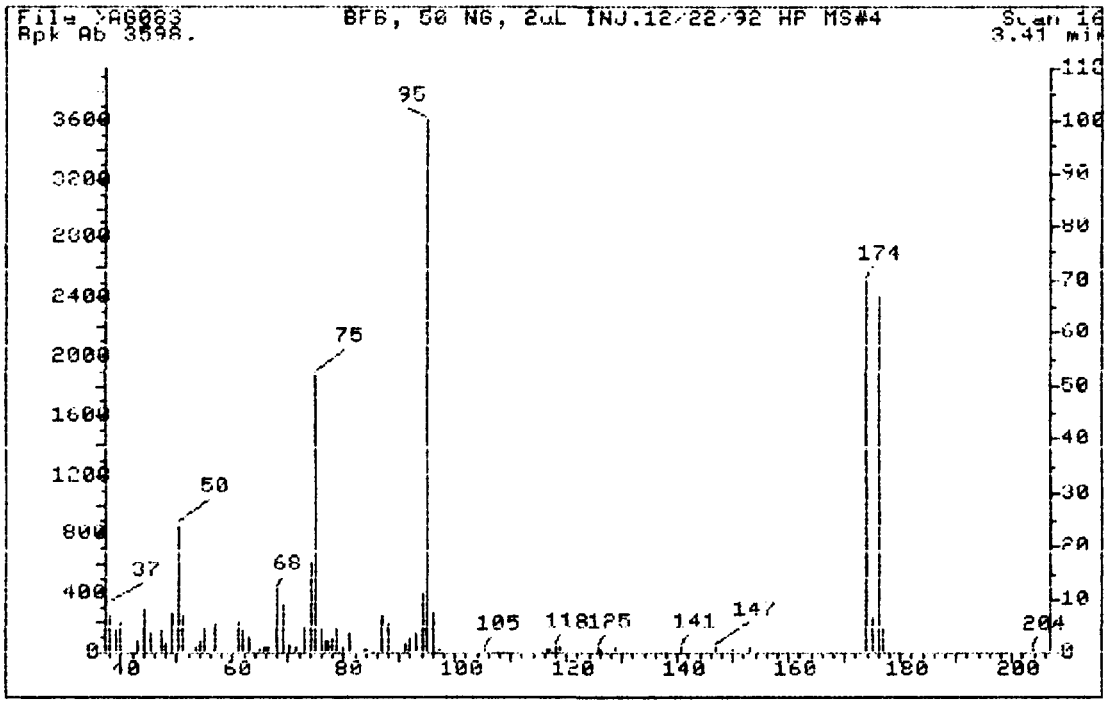
m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
50	15-40% of mass 95	23.82	23.82	Ok
75	30-60% of mass 95	51.81	51.81	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.45	7.45	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	70.04	70.04	Ok
175	5-9% of mass 174	6.25	8.93	Ok
176	95-101% of mass 174	66.76	95.32	Ok
177	5-9% of mass 176	4.92	7.37	Ok

Injection Date: 12/22/92
Injection Time: 11:14
Data File: >AG0083
Scan: 160

MS data file header from : >AG0083::D6

Sample: BFB, 50 NG, 2uL INJ. Operator: STEVE SUPER GRP. 12/22/92 11:14
Misc : 12/22/92 HP MS#4
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MSD#1
Method file: BFB#1 Tuning file: MIMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	100.	160.	0.	0.	0.
Chromatographic times, min. :	0.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	15.0	0.0	0.0	.1	0.0



MS data file header from : >AG083::D6

Sample: BFB, 50 NG, 2uL INJ. Operator: STEVE SUPER GRP. 12/22/92 11:14
Misc : 12/22/92 HP MS#4
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MSD#1
Method file: BFB#1 Tuning file: MTMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	100.	160.	0.	0.	0.
Chromatographic times, min. :	0.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	15.0	0.0	0.0	.1	0.0

>AG083 BFB, 50 NG, 2uL INJ.12/22/92 HP MS#4
160

File: >AG083 Scan #: 160 Retn. time: 3.41

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
37.05	300.00	55.05	161.00	73.95	622.00	91.10	60.00	125.60	27.00
38.05	243.00	56.95	181.00	74.95	1864.00	92.00	90.00	125.90	19.00
39.05	149.00	60.95	206.00	75.85	163.00	93.10	132.00	128.80	26.00
39.95	197.00	61.95	146.00	76.85	69.00	94.00	402.00	140.70	36.00
43.05	79.00	62.95	95.00	77.05	70.00	95.00	3598.00	146.75	31.00
44.05	291.00	64.85	22.00	78.05	81.00	96.10	268.00	149.85	20.00
45.05	131.00	65.75	36.00	78.85	166.00	97.30	17.00	152.85	25.00
47.05	142.00	65.95	36.00	79.75	37.00	105.30	21.00	173.85	2520.00
48.05	58.00	66.25	32.00	80.95	126.00	116.40	19.00	174.95	225.00
49.05	261.00	67.95	429.00	83.65	22.00	116.60	19.00	175.95	2402.00
50.05	857.00	69.05	320.00	84.25	17.00	116.90	18.00	176.85	177.00
51.05	241.00	70.15	47.00	86.90	245.00	117.80	32.00	203.70	17.00
53.15	30.00	71.35	35.00	87.90	185.00	118.90	32.00	207.00	22.00
53.95	79.00	72.95	171.00						

MS data file header from : >AG083::D6

Sample: BFB, 50 NG, 2uL INJ. Operator: STEVE SUPER GRP. 12/22/92 11:14
Misc : 12/22/92 HP MS#4
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 0 Equip ID: HP MSD#1
Method file: BFB#1 Tuning file: MTMSD1 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	100.	160.	0.	0.	0.
Chromatographic times, min. :	0.0	1.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	15.0	0.0	0.0	.1	0.0

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1077 SAS No.: NA SDG No.: NA

Lab File ID: 1209BFB1 BFB Injection Date: 12/09/92

Instrument ID: INCOS V1 BFB Injection Time: 1242

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.5
75	30.0 - 60.0% of mass 95	33.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.5
173	Less than 2.0% of mass 174	0.4 (0.4)1
174	Greater than 50.0% of mass 95	97.0
175	5.0 - 9.0% of mass 174	7.0 (7.2)1
176	Greater than 95.0%, but less than 101.0% of mass 174	96.8 (99.8)1
177	5.0 - 9.0% of mass 176	6.9 (7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	IC051209		IC051209	12/09/92	1414
02	IC101209		IC101209	12/09/92	1508
03	IC151209		IC151209	12/09/92	1603
04	IC201209		IC201209	12/09/92	1658
05	IC251209		IC251209	12/09/92	1753

BROMOFLUOROBENZENE

Tuning Report
12/09/92 12:42:00 + 10:54
Instrument: INCOS1
Case Number:

Data: 1209BFB1 # 327
Cali: CALI # 3
Analyst: ZAR
Laboratory:

Base m/z: 95
RIC: 56832.
Acct. No.:
Contract:

m/z	Intensity	% RA	Ion Abundance Criteria Min %	Max %	Mass	Actual	Status
50	1578.	15.5	15.0	40.0	95	15.5	PASS
75	3456.	33.9	30.0	60.0	95	33.9	PASS
95	10208	100.0	100.0	---	---	100.0	PASS
96	867.	8.5	5.0	9.0	95	8.5	PASS
173	39.	0.4	---	2.0	174	0.4	PASS
174	9904.	97.0	50.0	---	95	97.0	PASS
175	710.	7.0	5.0	9.0	174	7.2	PASS
176	9888.	96.9	95.0	101.0	174	99.8	PASS
177	699.	6.8	5.0	9.0	176	7.1	PASS

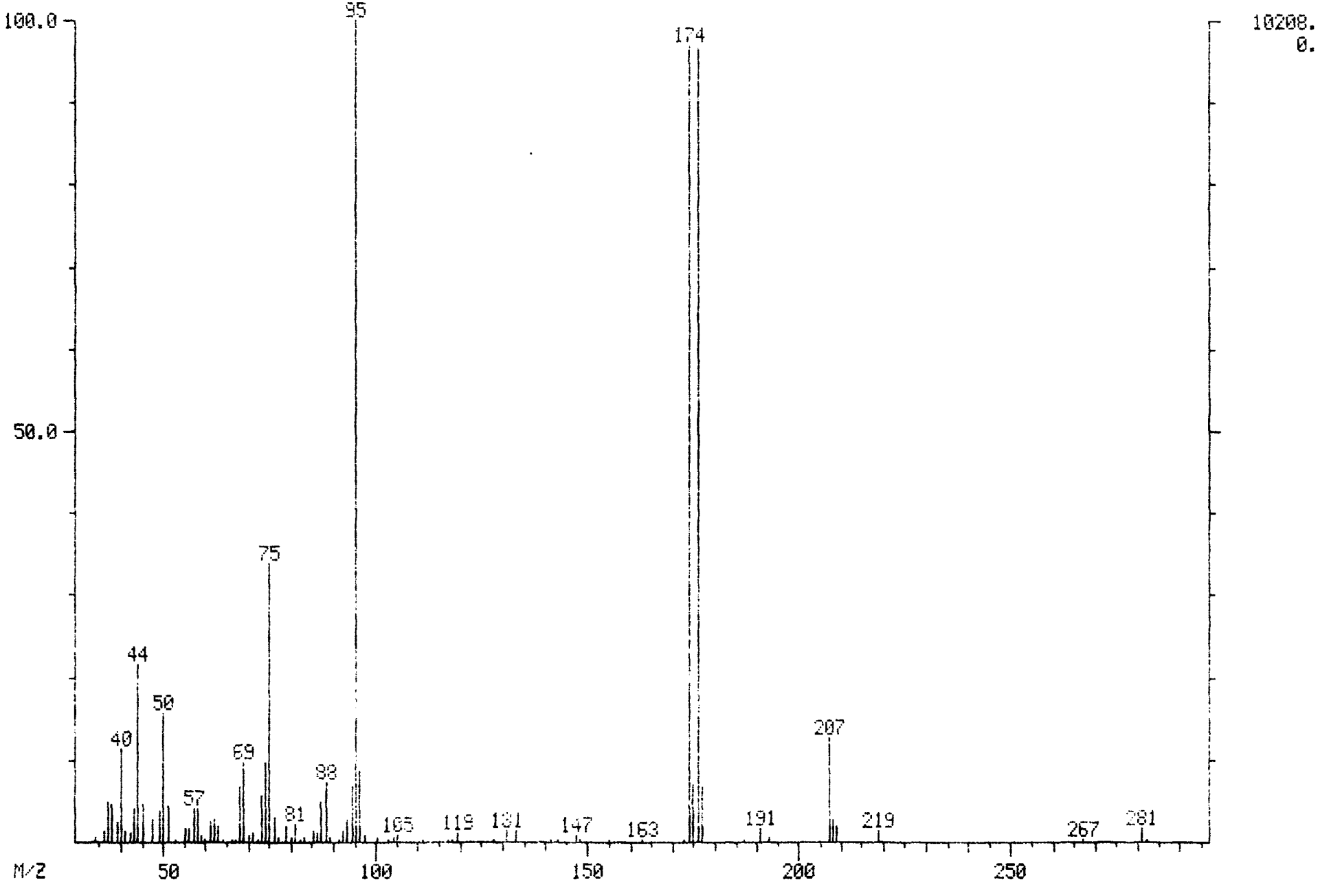
Mass List Data: 1209BFB1 # 327 Base m/z: 95
12/09/92 12:42:00 + 10:54 Cali: CALI # 3 RIC: 56832.
Sample: BFB
Conds.: 150 TI 220 @ 15

34		0.00	0.	Minima	Min	Inten:	0.
282				Maxima	#	0	
Mass		% RA	Inten.	Mass		% RA	Inten.
34?	M	0.53	54.	94		6.72	686.
36?		1.27	130.	95		100.00	10208.
37?		4.91	501	96		8.49	867.
38?		4.52	461.	97	M	0.87	89.
39?		2.35	240.	100		0.66	67.
40?		11.38	1162.	103		0.32	33.
41?		1.35	138.	104		0.42	43.
42?	M	1.04	106.	105		0.75	77.
43?		4.11	420.	111		0.17	17.
44?		21.51	2196.	117	M	0.35	36.
45?		4.50	459.	118		0.15	15.
47?	M	2.63	268.	119		1.20	123.
49?	M	3.70	378.	128		0.16	16.
50?		15.46	1578.	131		1.32	135.
51?		4.36	445.	133		1.26	129.
53?		0.18	18.	141		0.19	19.
55?		1.56	159.	143	M	0.36	37.
56?		1.60	163.	147	M	0.88	90.
57?		4.01	409.	148		0.23	23.
58?		3.94	402.	155	M	0.34	35.
59?	M	0.79	81.	163		0.22	22.
60?	M	0.39	40.	173	M	0.38	39.
61?		2.47	252.	174		97.02	9904.
62?		2.78	284.	175		6.96	710.
63?		1.88	192.	176		96.87	9888.
64?		0.16	16.	177		6.85	699.
66?		0.17	17.	187		0.15	15.
67?	M	0.33	34.	191		1.73	177.
68?		6.60	674.	193	M	0.60	61.
69		9.73	993.	207		12.68	1294.
70		0.90	92.	208		2.62	267.
71		1.14	116.	209		1.79	183.
72	M	0.30	31.	219		1.38	141.
73		5.70	582.	267		0.40	41.
74		9.78	998.	281		1.48	151.
75		33.86	3456.	282		0.17	17.
76		3.05	311.				
77		0.63	64.				
79	M	1.85	189.				
80		0.45	46.				
81	M	2.05	209.				
82		0.23	23.				
83	M	0.59	60.				
85		1.41	144.				
86		1.04	106.				
87		4.72	482.				
88		7.17	732.				
89	M	0.60	61.				
91	M	0.36	37.				
92		1.38	141.				
93		2.67	273.				

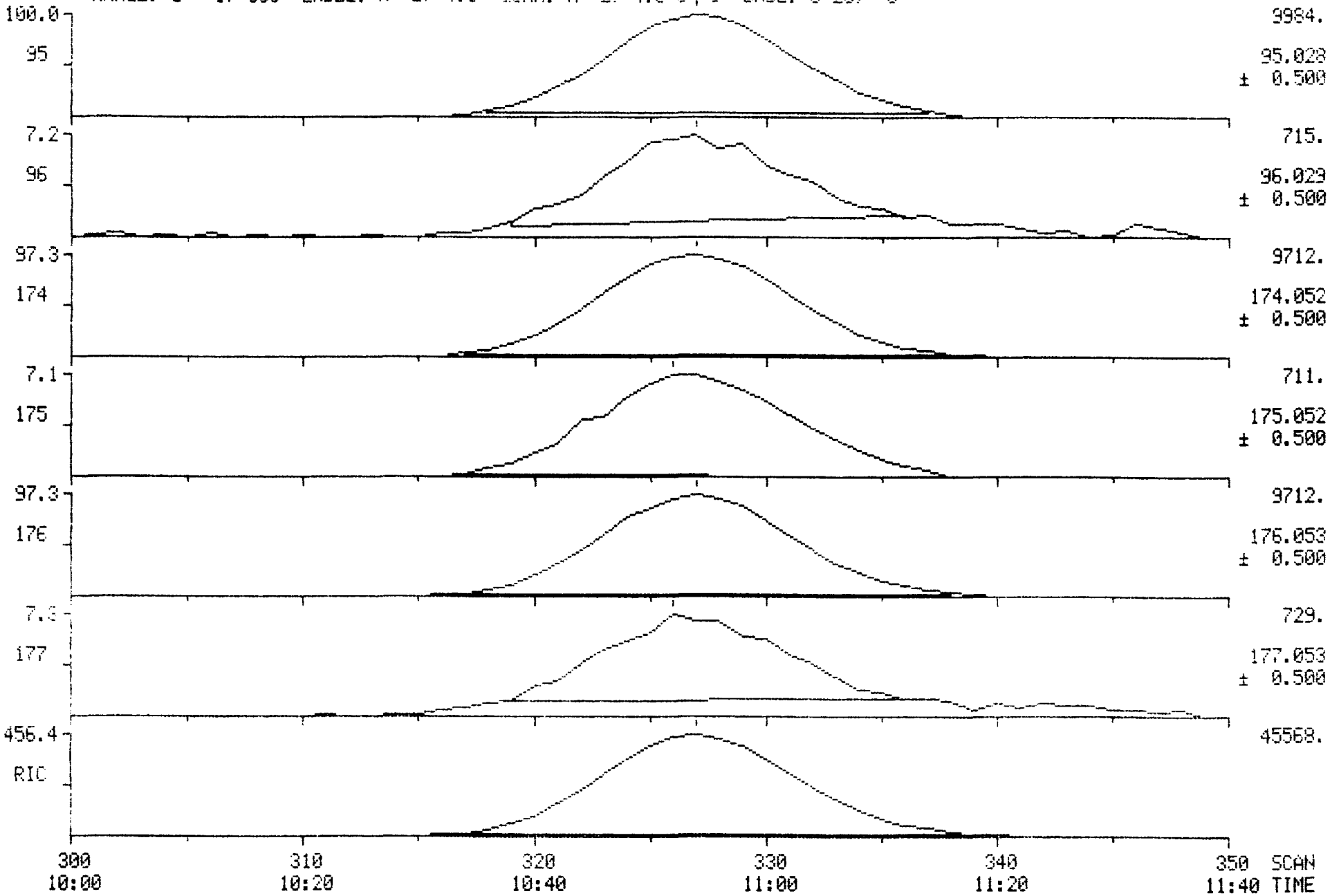
MASS SPECTRUM
12/09/92 12:42:00 + 10:54
SAMPLE: BFB
CONDS.: 150 TI 220 @ 15
TEMP: 219 DEG. C

DATA: 1209BFB1 #327
CALI: CALI #3

BASE M/Z: 95
RIC: 56832.



RIC+MASS CHROMATOGRAMS DATA: 1209BFB1 #327 SCANS 300 TO 350
12/09/92 12:42:00 CALI: CALI #3
SAMPLE: BFB
CONDS.: 150 TI 220 @ 15
RANGE: G 1, 500 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J, 0 BASE: U 20, 3



5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1077 SAS No.: NA SDG No.: NA

Lab File ID: 1210BFB1 BFB Injection Date: 12/10/92

Instrument ID: INCOS V1 BFB Injection Time: 1003

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	40.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	98.4
175	5.0 - 9.0% of mass 174	7.0 (7.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	95.9 (97.5)1
177	5.0 - 9.0% of mass 176	5.0 (5.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CC1210		CC21210	12/10/92	1119
02	1210BLK2	1210BLK2	1210BLK2	12/10/92	1312
03	92SV01R04	92SV01R04	1077R04	12/10/92	1409
04	92SV01R05	92SV01R05	1077R05	12/10/92	1505
05	92SV01R06	92SV01R06	1077R06	12/10/92	1603

BROMOFLUOROBENZENE

Tuning Report
12/10/92 10:03:00 + 11:00
Instrument: INCOS1
Enhanced (S 15B 2N OT)
Case Number:

Data: 1210BFB1 # 330
Cali: CALI # 3
Analyst: ZAR
Laboratory:

Base m/z: 95
RIC: 28800.
Acct. No
Contract:

m/z	Intensity	% RA	Ion Abundance Criteria Min %	Max %	Mass	Actual	Status
50	995	16.9	15.0	40.0	95	16.9	PASS
75	2392	40.5	30.0	60.0	95	40.5	PASS
95	5904	100.0	100.0	---	---	100.0	PASS
96	402	6.8	5.0	9.0	95	6.8	PASS
173	33	0.6	---	2.0	174	0.6	PASS
174	5808	98.4	50.0	---	95	98.4	PASS
175	410	6.9	5.0	9.0	174	7.1	PASS
176	5664	95.9	95.0	101.0	174	97.5	PASS
177	297	5.0	5.0	9.0	176	5.2	PASS

Mass List Data: 1210BFB1 # 330 Base m/z: 95
12/10/92 10:03:00 + 11:00 Cali: CALI # 3 RIC: 28800.
Sample: BAKE
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Enhanced (S 15B 2N OT)

36 0.00 0. Minima Min Inten: 0.
283 Maxima # 0

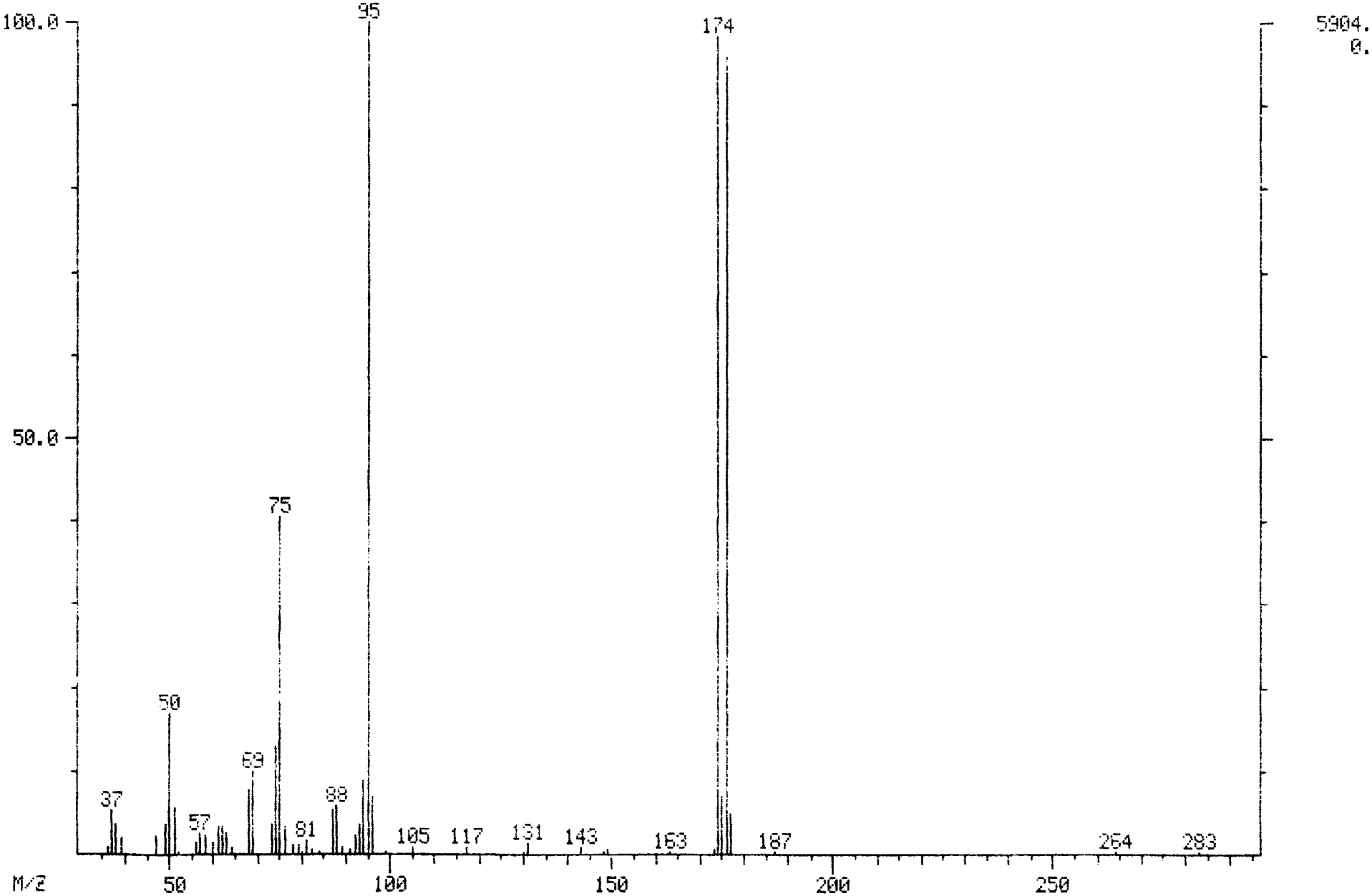
Mass	% RA	Inten.
36?	0.95	56.
37?	5.20	307.
38?	3.71	219.
39?	2.00	118.
46?	0.14	8.
47?	2.27	134.
49?	3.57	211.
50?	16.85	995
51?	5.57	329.
52?	0.19	11.
56?	1.29	76.
57?	2.51	148.
58?	2.32	137.
60?	1.25	74.
61?	3.35	198.
62?	3.29	194.
63?	2.35	139.
64?	0.80	47.
68?	7.74	457.
69	10.06	594.
73	3.68	217.
74	12.86	759.
75	40.51	2392.
76	3.39	200.
78	1.07	63.
79	1.22	72.
80	0.36	21.
81	1.68	99.
82	0.63	37.
84	0.17	10.
87	5.35	316.
88	5.84	345.
89	0.69	41.
91	0.51	30.
92	2.25	133.
93	3.47	205.
94	8.98	530.
95	100.00	5904.
96	6.81	402.
99	0.15	9.
105	0.73	43.
115	0.02	1.
117	0.69	41.
130	0.37	22.
131	1.25	74.
143	0.73	43.
148	0.24	14.
149	0.51	30.
163	0.27	16.
173	0.56	33.

Mass	% RA	Inten.
174	98.37	5808.
175	6.94	410.
176	95.93	5664.
177	5.03	297.
187	0.25	15.
264	0.41	24.
267	0.07	4.
283	0.15	9.

MASS SPECTRUM
12/10/92 10:03:00 + 11:00
SAMPLE: BAKE
CONDS.: 45' (3MIN) TO 220 @ 15'/MIN
TEMP: 219 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: 1210BFB1 #330
CALI: CALI #3

BASE M/Z: 95
RIC: 28800.



6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF1077 SAS No.: --- SDG No.: ---

Instrument ID: HP MS Calibration Date(s):12/08/92 --/--/--

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min $\overline{RRF}$ for SPCC(#) = 0.300 (0.250 for Bromoform) Max %RSD for CCC(*) = 35.0%

LAB FILE ID: RRF5 =>AG005 RRF25 =>AG006
RRF50 =>AG007 RRF100=>AG008 RRF150=>AG009

COMPOUND		RRF5	RRF25	RRF50	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane		.200	.180	.158	.194	.173	.181	9.4
Chloromethane	#	.234	.295	.241	.229	.225	.245	11.6#
Vinyl chloride	*	.254	.260	.215	.220	.207	.231	10.4*
Bromomethane		.124	.119	.100	.104	.101	.110	10.2
Chloroethane		.096	.065	.056	.050	.049	.063	30.5
Trichlorofluoromethane		.427	.362	.216	.225	.209	.288	34.8
Acrolein		.016	.020	.020	.013	.014	.016	20.0
1,1-Dichloroethene	*	.218	.268	.229	.188	.189	.218	15.2*
Acetone		.229	.271	.277	.209	.219	.241	12.9
Carbon disulfide		.531	.902	.799	.584	.549	.673	24.8
Methylene chloride		.098	.132	.128	.105	.105	.114	13.3
trans-1,2-Dichloroethene		.216	.228	.225	.204	.199	.214	5.9
Acrylonitrile		.084	.100	.104	.087	.090	.093	9.1
1,1-Dichloroethane	#	.412	.468	.471	.432	.420	.441	6.2#
Vinyl acetate		.263	.018	.358	.332	.316	.257	53.6 ✓
2,2-Dichloropropane		.233	.368	.408	.381	.370	.352	19.4
cis-1,2-Dichloroethene		.160	.308	.316	.286	.279	.270	23.4
2-Butanone		.201	.315	.314	.249	.264	.269	17.9
Bromochloromethane		.077	.158	.159	.141	.133	.134	25.2
Chloroform	*	.269	.555	.560	.507	.496	.477	25.1*
1,1,1-trichloroethane		.202	.383	.389	.361	.352	.337	22.9
Carbon tetrachloride		.125	.283	.298	.287	.282	.255	28.6
1,1-Dichloropropene		.211	.404	.403	.376	.359	.350	22.9
Benzene		.408	1.082	1.090	.984	.955	.904	31.4
1,2-Dichloroethane	*	.225	.463	.461	.404	.418	.394	24.8*
Trichloroethene		.259	.512	.325	.300	.300	.339	29.4
1,2-Dichloropropane		.309	.356	.364	.330	.338	.339	6.4
Dibromomethane		.190	.228	.234	.200	.205	.211	8.9
Bromodichloromethane		.339	.373	.414	.368	.385	.376	7.3
cis-1,3-dichloropropene		.187	.200	.243	.229	.239	.220	11.3
Toluene	*	.500	.622	.624	.556	.553	.571	9.1*
4-Methyl-2-pentanone		.381	.435	.467	.367	.401	.410	10.0
trans-1,3-Dichloropropene		.140	.132	.178	.162	.173	.157	12.9
Tetrachloroethene		.226	.307	.302	.268	.262	.273	12.1
1,1,2-Trichloroethane		.028	.023	.022	.019	.020	.023	15.2
1,3-Dichloropropane		.387	.466	.490	.424	.434	.440	9.0
2-Hexanone		.326	.395	.401	.315	.351	.357	11.0

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF1077 SAS No.: --- SDG No.: ---

Instrument ID: HP MS Calibration Date(s):12/08/92 --/--/--

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min $\overline{RRF}$ for SPCC(#) = 0.300 (0.250 for Bromoform) Max %RSD for CCC(*) = 35.0%

LAB FILE ID: RRF5 =>AG005 RRF25 =>AG006
RRF50 =>AG007 RRF100=>AG008 RRF150=>AG009

COMPOUND	RRF5	RRF25	RRF50	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	.220	.239	.290	.259	.269	.256	10.6
1,2-Dibromoethane	.240	.241	.289	.250	.262	.256	7.9
Chlorobenzene #	.749	.957	.981	.891	.899	.895	10.1#
1,1,1,2-Tetrachloroethane	.243	.245	.342	.304	.313	.289	15.1
Ethylbenzene *	1.232	1.594	1.632	1.483	1.501	1.488	10.5*
m &/or p-Xylene	.429	.563	.562	.485	.472	.502	11.7
o-Xylene	.422	.569	.572	.513	.507	.516	11.8
Styrene	.563	.747	.774	.700	.702	.697	11.6
Bromoform #	.195	.192	.275	.247	.262	.234	16.4#
Isopropylbenzene	1.081	1.477	1.544	1.413	1.426	1.388	12.9
Bromobenzene	.322	.411	.424	.380	.381	.384	10.3
1,2,3-Trichloropropane	.333	.310	.417	.343	.360	.353	11.4
1,1,2,2-Tetrachloroethane	.440	.011	.504	.399	.429	.357	55.2 ✓
n-Propylbenzene	.277	.365	.386	.341	.346	.343	11.9
2-Chlorotoluene	.283	.361	.365	.330	.333	.334	9.9
4-Chlorotoluene	.278	.359	.358	.307	.306	.322	11.1
1,3,5-Trimethylbenzene	.918	1.111	1.181	1.049	1.042	1.060	9.2
tert-Butylbenzene	.694	.988	1.012	.931	.944	.914	13.9
1,2,4-Trimethylbenzene	.866	1.095	1.179	1.079	1.098	1.063	11.0
sec-Butylbenzene	1.152	1.608	1.672	1.514	1.540	1.497	13.5
1,3-Dichlorobenzene	.548	.723	.736	.644	.653	.661	11.4
1,4-Dichlorobenzene	.461	.597	.585	.491	.479	.523	12.1
p-Isopropyltoluene	.876	1.178	1.224	1.064	1.048	1.078	12.6
1,2-Dichlorobenzene	.549	.685	.698	.614	.612	.631	9.6
n-Butylbenzene	1.050	1.256	1.352	1.220	1.254	1.226	9.0
1,2-Dibromo-3-chloropropane	.072	.001	.092	.073	.081	.064	56.5 ✓
1,2,4-Trichlorobenzene	.367	.384	.414	.366	.373	.381	5.2
Naphthalene	.701	.470	.696	.580	.612	.612	15.5
Hexachlorobutadiene	.265	.376	.380	.334	.327	.336	13.7
1,2,3-Trichlorobenzene	.369	.348	.381	.334	.341	.354	5.5
Benzene-d6	.502	1.140	1.095	1.096	1.069	.980	27.4
p-Bromofluorobenzene	.414	.431	.435	.453	.460	.439	4.2
1,2-Dichlorobenzene-d4	.467	.458	.457	.453	.441	.455	2.0

Calibration Report

Title: VOC 74 COMPOUNDS
Calibrated: 921209 09:43

Comp No.	Compound	Files: >AG005 RF 5.00	>AG006 RF 25.00	>AG007 RF 50.00	>AG008 RF 100.00	>AG009 RF 150.00	$\overline{RF}$	% RSD	
1)	Dichlorodifluoromethane	.19971	.17954	.15771	.19450	.17275	.18084	9.354	(Conc=10.0,25.0,50.0,100.0,150.0)
2)	Chloromethane	.23353	.29484	.24108	.22945	.22549	.24488	11.647	(Conc=10.0,25.0,50.0,100.0,150.0)
3)	Vinyl chloride	.25392	.25952	.21512	.21951	.20684	.23098	10.397	(Conc=10.0,25.0,50.0,100.0,150.0)
4)	Bromomethane	.12401	.11945	.10010	.10399	.10108	.10973	10.175	(Conc=10.0,25.0,50.0,100.0,150.0)
5)	Chloroethane	.09573	.06477	.05621	.05013	.04899	.06317	30.476	(Conc=10.0,25.0,50.0,100.0,150.0)
6)	Trichlorofluoromethane	.42652	.36185	.21561	.22503	.20922	.28765	34.708	(Conc=10.0,25.0,50.0,100.0,150.0)
7)	Acrolein	.01576	.01973	.01977	.01266	.01395	.01637	19.976	(Conc=25.0,125.0,250.0,500.0,750.0)
8)	1,1-Dichloroethene	.21788	.26814	.22944	.18766	.18875	.21837	15.223	
9)	Acetone	.22919	.27054	.27708	.20869	.21878	.24086	12.885	(Conc=25.0,125.0,250.0,500.0,750.0)
10)	Carbon disulfide	.53105	.90158	.79864	.58428	.54945	.67300	24.788	
11)	Methylene chloride	.09836	.13155	.12800	.10500	.10491	.11356	13.291	
12)	trans-1,2-Dichloroethene	.21583	.22841	.22445	.20389	.19901	.21432	5.933	
13)	Acrylonitrile	.08451	.10040	.10409	.08714	.09034	.09330	9.137	(Conc=25.0,125.0,250.0,500.0,750.0)
14)	1,1-Dichloroethane	.41189	.46806	.47141	.43217	.42038	.44078	6.221	
15)	Vinyl acetate	.26264	.01842	.35812	.33170	.31634	.25744	53.640	(Conc=10.0,50.0,100.0,200.0,300.0)
16)	2,2-Dichloropropane	.23342	.36745	.40809	.38091	.36968	.35191	19.374	
17)	cis-1,2-Dichloroethene	.16031	.30805	.31639	.28610	.27884	.26994	23.408	
18)	2-Butanone	.20086	.31503	.31403	.24917	.26406	.26863	17.860	(Conc=25.0,125.0,250.0,500.0,750.0)
19)	Bromochloromethane	.07676	.15793	.15927	.14074	.13331	.13360	25.196	
20)	Chloroform	.26932	.55468	.55963	.50714	.49598	.47735	25.065	
21)	1,1,1-Trichloroethane	.20161	.38322	.38899	.36129	.35170	.33736	22.949	
22)	Carbon tetrachloride	.12499	.28248	.29770	.28672	.28172	.25472	28.581	
23)	1,1-Dichloropropene	.21065	.40352	.40292	.37583	.35922	.35043	22.933	
24)	BENZENE-D6	.50201	1.13994	1.09481	1.09570	1.06911	.98031	27.399	(Conc=10.0,10.0,10.0,10.0,10.0)
25)	Benzene	.40795	1.08158	1.08967	.98432	.95541	.90379	31.352	
26)	1,2-Dichloroethane	.22525	.46334	.46049	.40442	.41807	.39432	24.847	
27)	Trichloroethene	.25881	.51213	.32449	.29967	.30003	.33903	29.379	
28)	1,2-Dichloropropane	.30886	.35581	.36414	.32966	.33763	.33922	6.445	
29)	Dibromomethane	.18975	.22789	.23373	.19983	.20513	.21127	8.894	
30)	Bromodichloromethane	.33854	.37261	.41362	.36852	.38508	.37568	7.250	
31)	cis-1,3-Dichloropropene	.18719	.19982	.24297	.22938	.23915	.21970	11.300	
32)	Toluene	.50041	.62166	.62388	.55626	.55246	.57094	9.146	
33)	4-Methyl-2-pentanone	.38108	.43467	.46753	.36651	.40153	.41026	9.989	(Conc=10.0,50.0,100.0,200.0,300.0)
34)	trans-1,3-Dichloropropene	.13993	.13212	.17829	.16145	.17271	.15690	12.868	
35)	Tetrachloroethene	.22575	.30733	.30145	.26762	.26207	.27284	12.113	
36)	1,1,2-Trichloroethane	.02811	.02325	.02236	.01949	.01998	.02264	15.198	
37)	1,3-Dichloropropane	.38731	.46620	.49036	.42441	.43372	.44040	8.997	
38)	2-Hexanone	.32547	.39449	.40078	.31465	.35149	.35738	10.963	(Conc=10.0,50.0,100.0,200.0,300.0)
39)	Dibromochloromethane	.21996	.23899	.29038	.25928	.26911	.25554	10.631	
40)	1,2-Dibromoethane	.24002	.24100	.28871	.24958	.26236	.25633	7.878	
41)	Chlorobenzene	.74862	.95748	.98090	.89066	.89892	.89531	10.106	

RF - Response Factor (Subscript is amount in UG/L)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

Calibration Report

Title: VOC 74 COMPOUNDS
Calibrated: 921209 09:43

Comp No.	Compound	Files: >AG005 RF 5.00	>AG006 RF 25.00	>AG007 RF 50.00	>AG008 RF 100.00	>AG009 RF 150.00	$\overline{RF}$	% RSD	
42)	1,1,1,2-Tetrachloroethane	.24316	.24515	.34210	.30432	.31272	.28949	15.098	
43)	Ethylbenzene	1.23171	1.59392	1.63229	1.48335	1.50063	1.48838	10.511	
44)	m &/or p-Xylene	.42929	.56268	.56170	.48490	.47201	.50212	11.666	(Conc=10.0,50.0,100.0,200.0,300.0)
45)	o-Xylene	.42161	.56900	.57180	.51305	.50709	.51651	11.824	
46)	Styrene	.56307	.74668	.77401	.69994	.70234	.69721	11.646	
47)	Bromoform	.19500	.19245	.27483	.24701	.26220	.23430	16.362	
48)	Isopropylbenzene	1.08100	1.47663	1.54364	1.41274	1.42627	1.38806	12.908	
49)	p-BROMOFLUOROBENZENE	.41381	.43140	.43539	.45306	.45995	.43872	4.174	(Conc=10.0,10.0,10.0,10.0,10.0)
50)	Bromobenzene	.32239	.41133	.42454	.38003	.38083	.38382	10.268	
51)	1,2,3-Trichloropropane	.33281	.31014	.41709	.34308	.36050	.35272	11.434	
52)	1,1,2,2-Tetrachloroethane	.44031	.01148	.50422	.39883	.42888	.35675	55.164	
53)	n-Propylbenzene	.27691	.36553	.38555	.34150	.34573	.34304	11.926	
54)	2-Chlorotoluene	.28261	.36083	.36547	.32968	.33303	.33432	9.886	
55)	4-Chlorotoluene	.27810	.35912	.35764	.30718	.30585	.32158	11.055	
56)	1,3,5-Trimethylbenzene	.91825	1.11127	1.18080	1.04927	1.04170	1.06025	9.164	
57)	tert-Butylbenzene	.69358	.98764	1.01203	.93117	.94375	.91363	13.931	
58)	1,2,4-Trimethylbenzene	.86590	1.09473	1.17912	1.07891	1.09767	1.06327	11.008	
59)	sec-Butylbenzene	1.15216	1.60770	1.67183	1.51379	1.53972	1.49704	13.519	
60)	1,3-Dichlorobenzene	.54802	.72266	.73599	.64416	.65251	.66067	11.363	
61)	1,4-Dichlorobenzene	.46074	.59693	.58472	.49112	.47891	.52248	12.147	
62)	p-Isopropyltoluene	.87557	1.17853	1.22444	1.06407	1.04761	1.07805	12.587	
63)	1,2-DICHLOROBENZENE-D4	.46681	.45784	.45683	.45341	.44118	.45522	2.037	(Conc=10.0,10.0,10.0,10.0,10.0)
64)	1,2-Dichlorobenzene	.54867	.68460	.69818	.61413	.61152	.63142	9.643	
65)	n-Butylbenzene	1.04972	1.25638	1.35158	1.22045	1.25363	1.22635	8.985	
66)	1,2-Dibromo-3-chloropropane	.07159	.00098	.09234	.07328	.08111	.06386	56.519	
67)	1,2,4-Trichlorobenzene	.36668	.38365	.41363	.36601	.37301	.38059	5.196	
68)	Naphthalene	.70132	.47044	.69620	.57984	.61149	.61186	15.536	
69)	Hexachlorobutadiene	.26541	.37572	.37970	.33394	.32728	.33641	13.742	
70)	1,2,3-Trichlorobenzene	.36947	.34747	.38046	.33434	.34059	.35447	5.548	

RF - Response Factor (Subscript is amount in UG/L)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

Calibration Report

Title: VOC 74 COMPOUNDS
Calibrated: 930106 10:12

Compound	RF 5.00 (>AG005)	RF 25.00 (>AG006)	RF 50.00 (>AG007)	RF 100.00 (>AG008)	RF 150.00 (>AG009)	$\overline{RF}$	% RSD	
Dichlorodifluoromethane	.19971	.17954	.15771	.19450	.17275	.18084	9.354	(Conc=10.0,25.0,50.0,100.0,150.0)
Chloromethane	.23353	.29484	.24108	.22945	.22549	.24488	11.647	(Conc=10.0,25.0,50.0,100.0,150.0)
Vinyl chloride	.25392	.25952	.21512	.21951	.20684	.23098	10.397	(Conc=10.0,25.0,50.0,100.0,150.0)
Bromomethane	.12401	.11945	.10010	.10399	.10108	.10973	10.175	(Conc=10.0,25.0,50.0,100.0,150.0)
Chloroethane	.09573	.06477	.05621	.05013	.04899	.06317	30.476	(Conc=10.0,25.0,50.0,100.0,150.0)
Trichlorofluoromethane	.42652	.36185	.21561	.22503	.20922	.28765	34.788	(Conc=10.0,25.0,50.0,100.0,150.0)
Acrolein	.01576	.01973	.01977	.01266	.01395	.01637	19.976	(Conc=25.0,125.0,250.0,500.0,750.0)
1,1-Dichloroethene	.21788	.26814	.22944	.18766	.18875	.21837	15.223	
Acetone	.22919	.27054	.27708	.20869	.21878	.24086	12.885	(Conc=25.0,125.0,250.0,500.0,750.0)
Carbon disulfide	.53105	.90158	.79864	.58428	.54945	.67300	24.788	
Methylene chloride	.09836	.13155	.12800	.10500	.10491	.11356	13.291	
trans-1,2-Dichloroethene	.21583	.22841	.22445	.20389	.19901	.21432	5.933	
Acrylonitrile	.08451	.10040	.10409	.08714	.09034	.09330	9.137	(Conc=25.0,125.0,250.0,500.0,750.0)
1,1-Dichloroethane	.41189	.46806	.47141	.43217	.42038	.44078	6.221	
Vinyl acetate	.26264	.01842	.35812	.33170	.31634	.25744	53.640	(Conc=10.0,50.0,100.0,200.0,300.0)
2,2-Dichloropropane	.23342	.36745	.40809	.38091	.36968	.35191	19.374	
cis-1,2-Dichloroethene	.16031	.30805	.31639	.28610	.27884	.26994	23.408	
2-Butanone	.20086	.31503	.31403	.24917	.26406	.26863	17.860	(Conc=25.0,125.0,250.0,500.0,750.0)
Bromochloromethane	.07676	.15793	.15927	.14074	.13331	.13360	25.196	
Chloroform	.26932	.55468	.55963	.50714	.49598	.47735	25.065	
1,1,1-Trichloroethane	.20161	.38322	.38899	.36129	.35170	.33736	22.949	
Carbon tetrachloride	.12499	.28248	.29770	.28672	.28172	.25472	28.581	
1,1-Dichloropropene	.21065	.40352	.40292	.37583	.35922	.35043	22.933	
BENZENE-D6	.50201	1.13994	1.09481	1.09570	1.06911	.98031	27.399	(Conc=10.0,10.0,10.0,10.0,10.0)
Benzene	.40795	1.08158	1.08967	.98432	.95541	.90379	31.352	
1,2-Dichloroethane	.22525	.46334	.46049	.40442	.41807	.39432	24.847	
Trichloroethene	.25881	.51213	.32449	.29967	.30003	.33903	29.379	
1,2-Dichloropropane	.30886	.35581	.36414	.32966	.33763	.33922	6.445	
Dibromomethane	.18975	.22789	.23373	.19983	.20513	.21127	8.894	
2-Chloroethyl vinylether	-	-	-	-	-	-	-	
Bromodichloromethane	.33854	.37261	.41362	.36852	.38508	.37568	7.250	
cis-1,3-Dichloropropene	.37142	.39646	.48208	.45513	.47451	.43592	11.300	(Conc=2.52,12.6,25.2,50.4,75.6)
Toluene	.50041	.62166	.62388	.55626	.55246	.57094	9.146	
4-Methyl-2-pentanone	.38108	.43467	.46793	.36651	.40153	.41026	9.989	(Conc=10.0,50.0,100.0,200.0,300.0)
trans-1,3-Dichloropropene	.31374	.29623	.39976	.36200	.38724	.35179	12.868	(Conc=2.23,11.1,22.3,44.6,66.9)
Tetrachloroethene	.22575	.30733	.30145	.26762	.26207	.27284	12.113	
1,1,2-Trichloroethane	.02811	.02325	.02236	.01949	.01998	.02264	15.198	
1,3-Dichloropropane	.38731	.46620	.49036	.42441	.43372	.44040	8.997	
2-Hexanone	.32547	.39449	.40078	.31465	.35149	.35738	10.963	(Conc=10.0,50.0,100.0,200.0,300.0)
Dibromochloromethane	.21996	.23899	.29038	.25928	.26911	.25554	10.631	
1,2-Dibromoethane	.24002	.24100	.28871	.24958	.26236	.25633	7.878	

RF - Response Factor (Subscript is amount in UG/L)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

Calibration Report

Title: VOC 74 COMPOUNDS
Calibrated: 930106 10:12

Files:	>AG005	>AG006	>AG007	>AG008	>AG009			
	RF	RF	RF	RF	RF			
Compound	5.00	25.00	50.00	100.00	150.00	$\overline{RF}$	% RSD	
Chlorobenzene	.74862	.95748	.98090	.89066	.89892	.89531	10.106	
1,1,1,2-Tetrachloroethane	.24316	.24515	.34210	.30432	.31272	.28949	15.098	
Ethylbenzene	1.23171	1.59392	1.63229	1.48335	1.50063	1.48838	10.511	
m &/or p-Xylene	.42929	.56268	.56170	.48490	.47201	.50212	11.666	(Conc=10.0,50.0,100.0,200.0,300.0)
o-Xylene	.42161	.56900	.57180	.51305	.50709	.51651	11.824	
Styrene	.56307	.74668	.77401	.69994	.70234	.69721	11.646	
Bromoform	.19500	.19245	.27483	.24701	.26220	.23430	16.362	
Isopropylbenzene	1.08100	1.47663	1.54364	1.41274	1.42627	1.38806	12.908	
p-BROMOFLUOROBENZENE	.41381	.43140	.43539	.45306	.45995	.43872	4.174	(Conc=10.0,10.0,10.0,10.0,10.0)
Bromobenzene	.32239	.41133	.42454	.38003	.38083	.38382	10.268	
1,2,3-Trichloropropane	.33281	.31014	.41709	.34308	.36050	.35272	11.434	
1,1,2,2-Tetrachloroethane	.44031	.01148	.50422	.39883	.42888	.35675	55.164	
n-Propylbenzene	.27691	.36553	.38555	.34150	.34573	.34304	11.926	
2-Chlorotoluene	.28261	.36083	.36547	.32968	.33303	.33432	9.886	
4-Chlorotoluene	.27810	.35912	.35764	.30718	.30585	.32158	11.055	
1,3,5-Trimethylbenzene	.91825	1.11127	1.18080	1.04927	1.04170	1.06025	9.164	
tert-Butylbenzene	.69358	.98764	1.01203	.93117	.94375	.91363	13.931	
1,2,4-Trimethylbenzene	.86590	1.09473	1.17912	1.07891	1.09767	1.06327	11.008	
sec-Butylbenzene	1.15216	1.60770	1.67183	1.51379	1.53972	1.49704	13.519	
1,3-Dichlorobenzene	.54802	.72266	.73599	.64416	.65251	.66067	11.363	
1,4-Dichlorobenzene	.46074	.59693	.58472	.49112	.47891	.52248	12.147	
p-Isopropyltoluene	.87557	1.17853	1.22444	1.06407	1.04761	1.07805	12.587	
1,2-DICHLOROBENZENE-D4	.46681	.45784	.45683	.45341	.44118	.45522	2.037	(Conc=10.0,10.0,10.0,10.0,10.0)
1,2-Dichlorobenzene	.54867	.68460	.69818	.61413	.61152	.63142	9.643	
n-Butylbenzene	1.04972	1.25638	1.35158	1.22045	1.25363	1.22635	8.985	
1,2-Dibromo-3-chloropropane	.07159	.00098	.09234	.07328	.08111	.06386	56.519	
1,2,4-Trichlorobenzene	.36668	.38365	.41363	.36601	.37301	.38059	5.196	
Naphthalene	.70132	.47044	.69620	.57984	.61149	.61186	15.536	
Hexachlorobutadiene	.26541	.37572	.37970	.33394	.32728	.33641	13.742	
1,2,3-Trichlorobenzene	.36947	.34747	.38046	.33434	.34059	.35447	5.548	

RF - Response Factor (Subscript is amount in UG/L)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

QUANT REPORT

Operator ID: KELLY Quant Rev: 2 Quant Time: 921204 10:02
Output File: ^AG002::D3 Injected at: 921204 09:01
Data File: >AG002::D6 Dilution Factor: 1.00000
Name: 50 PPB CONT. CALIB. Instrument ID: HP MSD#1
Misc: 12/4/92, HP MSD#1 5mL PURGE

ID File: IDAG01::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.02	96.0	18348	10.00	UG/L	99
2)	Dichlorodifluoromethane	2.48	85.0	144082	37.83	UG/L	98
3)	Chloromethane	2.87	50.0	163782	24.90	UG/L	91
4)	Vinyl chloride	3.14	62.0	146184	37.89	UG/L	98
5)	Bromomethane	3.94	94.0	75018	33.24	UG/L	97
6)	Chloroethane	4.27	64.0	39779	66.26	UG/L	98
7)	Trichlorofluoromethane	4.94	101.0	215127	57.22	UG/L	96
8)	Acrolein	6.41	56.0	10859	220.28	UG/L	99
9)	1,1-Dichloroethene	6.44	96.0	28956	48.21	UG/L	98
10)	Acetone	6.91	43.0	156689	239.97	UG/L	99
11)	Carbon disulfide	6.76	76.0	86988	54.13	UG/L	97
12)	Methylene chloride	7.92	84.0	17643	26.00	UG/L	87
13)	trans-1,2-Dichloroethene	8.52	96.0	28260	48.51	UG/L	99
14)	Acrylonitrile	8.68	53.0	65504	279.85	UG/L	95
15)	1,1-Dichloroethane	9.52	63.0	57261	47.31	UG/L	97
16)	Vinyl acetate	9.85	43.0	89162	98.99	UG/L	100
17)	2,2-Dichloropropane	10.70	77.0	32852	48.86	UG/L	95
18)	cis-1,2-Dichloroethene	10.78	96.0	22135	48.91	UG/L	95
19)	2-Butanone	10.97	43.0	99322	214.13	UG/L	66
20)	Bromochloromethane	11.24	128.0	9370	50.48	UG/L	99
21)	Chloroform	11.51	83.0	57321	48.77	UG/L	92
22)	1,1,1-Trichloroethane	11.66	97.0	25741	46.54	UG/L	92
23)	Carbon tetrachloride	11.96	117.0	19134	45.02	UG/L	89
24)	1,1-Dichloropropene	12.01	75.0	24653	48.44	UG/L	97
25)	BENZENE-D6	12.33	84.0	12835	14.46	UG/L	99
26)	Benzene	12.41	78.0	57348	47.99	UG/L	97
27)	1,2-Dichloroethane	12.55	62.0	51870	49.57	UG/L	99
28)	*TOLUENE-D8	16.22	98.0	28499	10.00	UG/L	89
29)	Trichloroethene	13.76	95.0	38671	33.50	UG/L	91
30)	1,2-Dichloropropane	14.23	63.0	43902	34.48	UG/L	92
31)	Dibromomethane	14.46	174.0	26904	32.40	UG/L	95
33)	Bromodichloromethane	14.86	83.0	48521	32.73	UG/L	97
34)	cis-1,3-Dichloropropene	15.77	75.0	29991	17.77	UG/L	94
35)	Toluene	16.35	92.0	73720	32.83	UG/L	94
36)	4-Methyl-2-pentanone	16.18	43.0	105958	66.53	UG/L	86
37)	trans-1,3-Dichloropropene	16.95	75.0	21201	14.99	UG/L	96
38)	Tetrachloroethene	17.41	166.0	33938	31.34	UG/L	98
39)	1,1,2-Trichloroethane	17.29	132.0	2902	33.31	UG/L	92
40)	1,3-Dichloropropane	17.59	76.0	58774	34.23	UG/L	98
41)	2-Hexanone	17.89	43.0	88284	62.45	UG/L	86

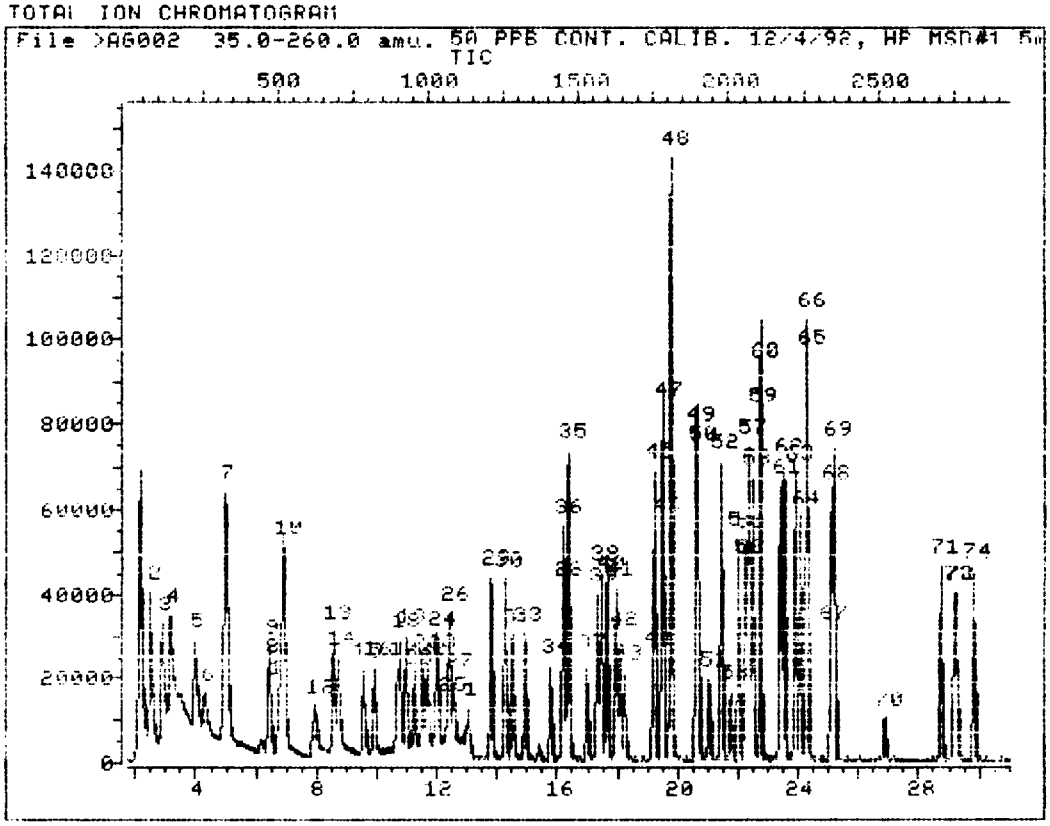
Operator ID: KELLY Quant Rev: 7 Quant Time: 921204 10:07
Output File: >AG002::D3 Injected at: 921204 09:01
Data File: >AG002::D6 Dilution Factor: 1.00000
Name: 50 PPB CONT. CALIB. Instrument ID: HP MSD#1
Misc: 12/4/92, HP MSD#1 5mL PURGE

ID File: IDAG01::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RG/AB
Last Calibration: 921130 16:22 Last Quant Time: 921203 13:36

	Compound	R.T.	Q ion	Area	Conc	Units	q
42)	Dibromochloromethane	18.04	129.0	55512	31.49	UG/L	97
43)	1,2-Dibromoethane	18.19	107.0	54126	33.95	UG/L	99
44)	*CHLOROBENZENE-D5	19.15	117.0	21717	10.00	UG/L	96
45)	Chlorobenzene	19.22	112.0	79694	30.89	UG/L	89
46)	1,1,1,2-Tetrachloroethane	19.45	131.0	27407	30.48	UG/L	95
47)	Ethylbenzene	19.50	91.0	133721	31.17	UG/L	96
48)	m &/or p-Xylene	19.76	106.0	91722	61.59	UG/L	79
49)	o-Xylene	20.58	106.0	46855	30.81	UG/L	95
50)	Styrene	20.64	104.0	63779	31.06	UG/L	92
51)	Bromoform	21.00	173.0	21225	29.34	UG/L	99
52)	Isopropylbenzene	21.40	105.0	123566	29.22	UG/L	95
53)	p-BROMOFLUOROBENZENE	21.71	174.0	10514	9.42	UG/L	93
54)	Bromobenzene	21.96	156.0	33379	29.85	UG/L	96
55)	1,2,3-Trichloropropane	22.20	75.0	33193	31.86	UG/L	83
56)	1,1,2,2-Tetrachloroethane	22.18	83.0	39879	31.98	UG/L	99
57)	n-Propylbenzene	22.30	120.0	30325	30.22	UG/L	98
58)	2-Chlorotoluene	22.42	126.0	29318	30.40	UG/L	91
59)	4-Chlorotoluene	22.67	126.0	28908	29.88	UG/L	89
60)	1,3,5-Trimethylbenzene	22.72	105.0	100302	31.23	UG/L	85
61)	tert-Butylbenzene	23.40	119.0	79385	30.19	UG/L	84
62)	1,2,4-Trimethylbenzene	23.52	105.0	101803	29.31	UG/L	86
63)	sec-Butylbenzene	23.88	105.0	132034	30.15	UG/L	92
64)	1,3-Dichlorobenzene	24.05	146.0	57528	29.58	UG/L	93
65)	1,4-Dichlorobenzene	24.27	146.0	47068	30.29	UG/L	95
66)	p-Isopropyltoluene	24.25	119.0	98391	30.11	UG/L	88
67)	1,2-DICHLOROBENZENE-D4	25.02	152.0	11186	9.41	UG/L	96
68)	1,2-Dichlorobenzene	25.07	146.0	55504	29.92	UG/L	93
69)	n-Butylbenzene	25.16	91.0	113303	30.32	UG/L	89
70)	1,2-Dibromo-3-chloropropane	26.86	157.0	6512	31.46	UG/L	97
71)	1,2,4-Trichlorobenzene	28.69	180.0	37556	31.14	UG/L	96
72)	Naphthalene	29.21	128.0	68011	34.03	UG/L	100
73)	Hexachlorobutadiene	29.13	225.0	26908	27.28	UG/L	98
74)	1,2,3-Trichlorobenzene	29.78	180.0	34737	30.66	UG/L	96

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG002::D6 Quant Output File: ^AG002::D3
Name: 50 PPB CONT. CALIB. Instrument ID: HP MSD#1
Misc: 12/4/92, HP MSD#1 5mL PURGE

Id File: IDAG01::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

Operator ID: KELLY
Quant Time : 921204 10:07
Injected at: 921204 09:01

TCVOCS T=00004 IS ON CR SC USING 00020 BLKS R=0000
10:11 AM MON., 14 DEC., 1992

0001 * Order file for Form 1A HP5985 #4 <900311.125
1>
0002 * Low water/low soil CRQL's CCC=1
0003 * SPCC=2 found
in blank =1
0004 * NAME CAS DL Surr=3 not in
blank = 0
0005 *

0006	Chloromethane	74-87-3	2.	2	0
0007	Bromomethane	74-83-9	2.	0	0
0008	Vinyl Chloride	75-01-4	2.	1	0
0009	Chloroethane	75-00-3	2.	0	0
0010	Methylene Chloride	75-09-2	1.	0	0
0011	Acrolein	107-02-8	48.	0	0
0012	Acetone	67-64-1	48.	0	0
0013	Acrylonitrile	107-13-1	48.	0	0
0014	Carbon Disulfide	75-15-0	1.6	0	0
0015	1,1-Dichloroethene	75-35-4	1.	1	0
0016	1,1-Dichloroethane	75-34-3	1.	2	0
0017	trans-1,2-dichloroethene	156-60-5	1.	0	0
0018	Chloroform	67-66-3	1.	1	0
0019	1,2-Dichloroethane	107-02-2	1.	0	0
0020	2-Butanone	78-93-3	16.	0	0
0021	1,1,1-Trichloroethane	71-55-6	1.	0	0
0022	Carbon Tetrachloride	56-23-5	1.	0	0
0023	Vinyl Acetate	108-05-4	5.	0	0
0024	Bromodichloromethane	75-27-4	1.	0	0
0025	1,2-Dichloropropane	78-87-5	1.	1	0
0026	cis-1,3-Dichloropropene	10061-01-5	1.2	0	0
0027	Trichloroethene	79-01-6	1.	0	0
0028	Benzene	71-43-2	1.	0	0
0029	Dibromochloromethane	124-48-1	1.	0	0
0030	trans-1,3-Dichloropropene	10061-02-6	0.8	0	0
0031	1,1,2-Trichloroethane	79-00-5	1.	0	0
0032	2-Chloroethyl Vinylether	110-75-8	1.	0	0
0033	Bromoform	75-25-2	1.	2	0
0034	4-Methyl-2-pentanone	108-10-1	13.	0	0
0035	2-Hexanone	591-78-6	3.	0	0
0036	Tetrachloroethene	127-18-4	1.	0	0
0037	1,1,2,2-Tetrachloroethane	79-34-5	1.	0	0
0038	Toluene	108-88-3	1.	1	0
0039	Chlorobenzene	108-90-7	1.	2	0
0040	Ethylbenzene	100-41-4	1.	1	0
0041	Styrene	100-42-5	1.6	0	0
0042	m-&/or p-xylene(s)	108-38-3	1.5	0	0
0043	o-xylene	95-47-6	1.2	0	0

QUANT REPORT

Operator ID: KELLY Quant Rev: 7 Quant Time: 921208 12:23
Output File: ^AG005::D3 Injected at: 921208 11:50
Data File: >AG005::D6 Dilution Factor: 1.00000
Name: 5 PPB IC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

ID File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.05	96.0	28436	10.00	UG/L	99
2)	Dichlorodifluoromethane	2.43	85.0	5474	.927	UG/L	98
3)	Chloromethane	2.81	50.0	6401	.628	UG/L	80
4)	Vinyl chloride	3.09	62.0	6960	1.16	UG/L	96
5)	Bromomethane	3.90	94.0	3399	.972	UG/L	89
7)	Trichlorofluoromethane	4.90	101.0	11691	2.01	UG/L	89
8)	Acrolein	6.36	56.0	1080	14.14	UG/L	87
9)	1,1-Dichloroethene	6.43	96.0	2986	3.21	UG/L	97
10)	Acetone	6.88	43.0	15705	15.52	UG/L	92
11)	Carbon disulfide	6.74	76.0	7278	2.92	UG/L	94
12)	Methylene chloride	7.89	84.0	1348	1.28	UG/L	95
13)	trans-1,2-Dichloroethene	8.51	96.0	2958	3.28	UG/L	85
14)	Acrylonitrile	8.68	53.0	5791	15.96	UG/L	96
15)	1,1-Dichloroethane	9.51	63.0	5645	3.01	UG/L	94
16)	Vinyl acetate	9.85	43.0	7199	5.16	UG/L	100
17)	2,2-Dichloropropane	10.68	77.0	3199	3.07	UG/L	84
18)	cis-1,2-Dichloroethene	10.77	96.0	2197	3.13	UG/L	89
19)	2-Butanone	10.97	43.0	11317	15.74	UG/L	67
21)	Chloroform	11.52	83.0	3691	3.11	UG/L	84
22)	1,1,1-Trichloroethane	11.66	97.0	2763	3.22	UG/L	91
23)	Carbon tetrachloride	11.95	117.0	1713	2.60	UG/L	80
24)	1,1-Dichloropropene	12.02	75.0	1798	2.28	UG/L	84
25)	BENZENE-D6	12.35	84.0	13760	10.00	UG/L	98
26)	Benzene	12.42	78.0	5591	3.02	UG/L	98
27)	1,2-Dichloroethane	12.56	62.0	3087	3.10	UG/L	76
28)	*TOLUENE-D8	16.25	98.0	26614	10.00	UG/L	96
29)	Trichloroethene	13.78	95.0	3444	3.19	UG/L	90
30)	1,2-Dichloropropane	14.24	63.0	4110	3.46	UG/L	91
31)	Dibromomethane	14.49	174.0	2525	3.26	UG/L	94
33)	Bromodichloromethane	14.89	83.0	4505	3.25	UG/L	98
34)	cis-1,3-Dichloropropene	15.78	75.0	2491	1.58	UG/L	87
35)	Toluene	16.37	92.0	6659	3.18	UG/L	98
36)	4-Methyl-2-pentanone	16.20	43.0	10142	6.82	UG/L	83
38)	Tetrachloroethene	17.43	166.0	3004	2.97	UG/L	97
40)	1,3-Dichloropropane	17.61	76.0	5154	3.21	UG/L	98
41)	2-Hexanone	17.91	43.0	8662	6.56	UG/L	80
42)	Dibromochloromethane	18.06	129.0	2927	2.94	UG/L	93
43)	1,2-Dibromoethane	18.20	107.0	3194	3.38	UG/L	91
44)	*CHLOROBENZENE-D5	19.19	117.0	18605	10.00	UG/L	95
45)	Chlorobenzene	19.25	112.0	6964	3.15	UG/L	90

Operator ID: KELLY Quant Rev: 7 Quant Time: 921208 12:23
Output File: ^AG005::D3 Injected at: 921208 11:50
Data File: >AG005::D6 Dilution Factor: 1.00000
Name: 5 PPB IC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

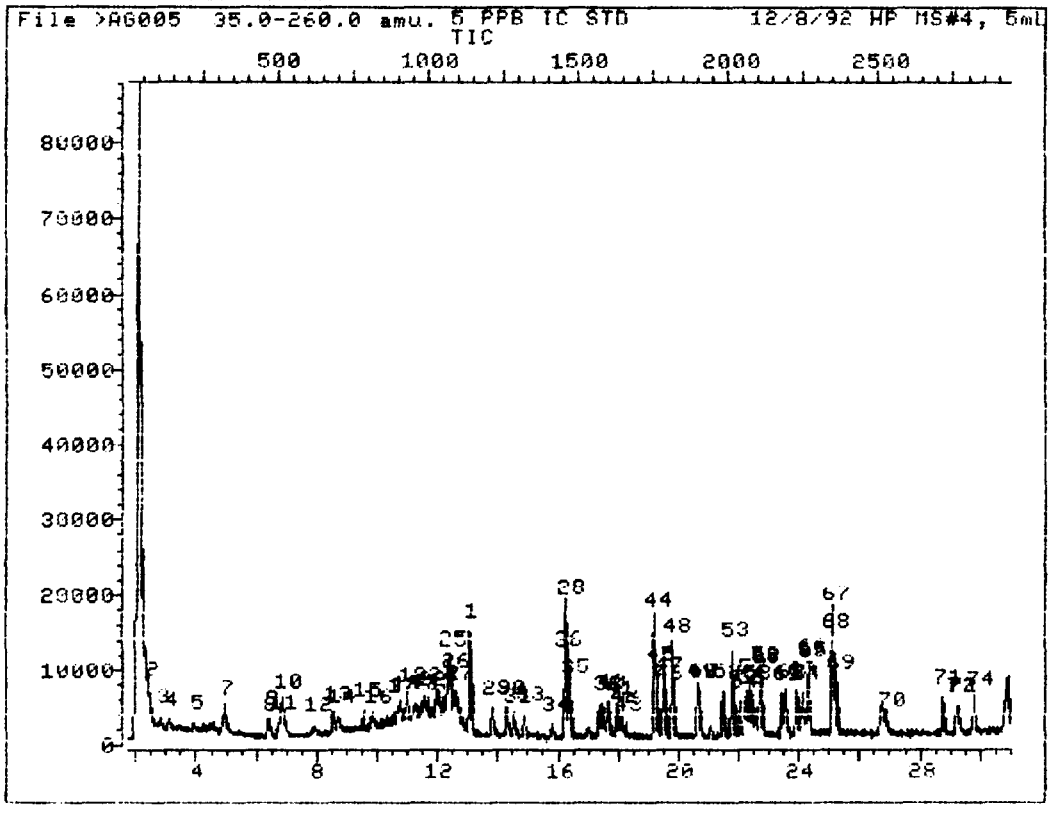
ID File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
46)	1,1,1,2-Tetrachloroethane	19.48	131.0	2262	2.94	UG/L	87
47)	Ethylbenzene	19.52	91.0	11458	3.12	UG/L	93
48)	m &/or p-Xylene	19.77	106.0	7987	6.26	UG/L	81
49)	o-Xylene	20.60	106.0	3922	3.01	UG/L	99
50)	Styrene	20.66	104.0	5238	2.98	UG/L	96
52)	Isopropylbenzene	21.42	105.0	10056	2.78	UG/L	92
53)	p-BROMOFLUOROBENZENE	21.73	174.0	7699	8.05	UG/L	98
54)	Bromobenzene	21.98	156.0	2999	3.13	UG/L	94
55)	1,2,3-Trichloropropane	22.22	75.0	3096	3.47	UG/L	89
56)	1,1,2,2-Tetrachloroethane	22.22	83.0	4096	3.83	UG/L	95
57)	n-Propylbenzene	22.32	120.0	2576	3.00	UG/L	96
58)	2-Chlorotoluene	22.45	126.0	2629	3.18	UG/L	90
59)	4-Chlorotoluene	22.70	126.0	2587	3.12	UG/L	90
60)	1,3,5-Trimethylbenzene	22.74	105.0	8542	3.10	UG/L	81
61)	tert-Butylbenzene	23.42	119.0	6452	2.86	UG/L	89
62)	1,2,4-Trimethylbenzene	23.54	105.0	8055	2.71	UG/L	88
63)	sec-Butylbenzene	23.90	105.0	10718	2.86	UG/L	89
64)	1,3-Dichlorobenzene	24.07	146.0	5098	3.06	UG/L	93
65)	1,4-Dichlorobenzene	24.29	146.0	4286	3.22	UG/L	95
66)	p-Isopropyltoluene	24.27	119.0	8145	2.91	UG/L	88
67)	1,2-DICHLOROBENZENE-D4	25.05	152.0	8685	8.53	UG/L	92
68)	1,2-Dichlorobenzene	25.09	146.0	5104	3.21	UG/L	93
69)	n-Butylbenzene	25.17	91.0	9765	3.05	UG/L	84
70)	1,2-Dibromo-3-chloropropane	26.90	157.0	666	3.76	UG/L	91
71)	1,2,4-Trichlorobenzene	28.72	180.0	3411	3.30	UG/L	96
72)	Naphthalene	29.24	128.0	6524	3.81	UG/L	100
73)	Hexachlorobutadiene	29.16	225.0	2469	2.91	UG/L	82
74)	1,2,3-Trichlorobenzene	29.80	180.0	5437	3.54	UG/L	92

* Compound is ISTD

6, 20, 37, 39, 51
✓ gases

TOTAL ION CHROMATOGRAM



Data File: >AG005::D6 Quant Output File: ^AG005::D3
Name: 5 PPB IC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

Id File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

Operator ID: KELLY
Quant Time : 921208 12:23
Injected at: 921208 11:50

QUANT REPORT

Operator ID: KELLY Quant Rev: 7 Quant Time: 921208 13:50
Output File: ^AG006::D3 Injected at: 921208 13:17
Data File: >AG006::D6 Dilution Factor: 1.00000
Name: 25 PPB IC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

ID File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.14	96.0	32249	10.00	UG/L	97
2)	Dichlorodifluoromethane	2.51	85.0	14475	2.16	UG/L	96
3)	Chloromethane	2.91	50.0	23771	2.06	UG/L	89
4)	Vinyl chloride	3.16	62.0	20923	3.09	UG/L	99
5)	Bromomethane	3.97	94.0	9630	2.43	UG/L	88
6)	Chloroethane	4.28	64.0	5222	4.95	UG/L	82
7)	Trichlorofluoromethane	4.95	101.0	29173	4.41	UG/L	94
8)	Acrolein	6.41	56.0	7953	91.79	UG/L	92
9)	1,1-Dichloroethene	6.45	96.0	21618	20.48	UG/L	89
10)	Acetone	6.93	43.0	109060	95.03	UG/L	98
11)	Carbon disulfide	6.75	76.0	72688	25.74	UG/L	99
12)	Methylene chloride	7.92	84.0	10606	8.89	UG/L	84
13)	trans-1,2-Dichloroethene	8.52	96.0	18415	17.98	UG/L	94
14)	Acrylonitrile	8.68	53.0	40471	98.37	UG/L	94
15)	1,1-Dichloroethane	9.51	63.0	37736	17.74	UG/L	95
16)	Vinyl acetate	9.86	43.0	1735	1.10	UG/L	100
17)	2,2-Dichloropropane	10.73	77.0	29625	25.07	UG/L	97
18)	cis-1,2-Dichloroethene	10.82	96.0	24836	31.22	UG/L	96
19)	2-Butanone	11.02	43.0	126994	155.77	UG/L	71
20)	Bromochloromethane	11.30	128.0	12733	39.03	UG/L	95
21)	Chloroform	11.58	83.0	44720	33.25	UG/L	95
22)	1,1,1-Trichloroethane	11.75	97.0	30896	31.78	UG/L	94
23)	Carbon tetrachloride	12.06	117.0	22774	30.49	UG/L	88
24)	1,1-Dichloropropene	12.12	75.0	32533	36.37	UG/L	98
25)	BENZENE-D6	12.44	84.0	36762	23.57	UG/L	96
26)	Benzene	12.51	78.0	87200	41.52	UG/L	97
27)	1,2-Dichloroethane	12.65	62.0	37356	33.06	UG/L	98
28)	*TOLUENE-D8	16.28	98.0	30524	10.00	UG/L	96
29)	Trichloroethene	13.86	95.0	39464	31.91	UG/L	90
30)	1,2-Dichloropropane	14.31	63.0	27152	19.91	UG/L	94
31)	Dibromomethane	14.54	174.0	17390	19.56	UG/L	96
32)	2-Chloroethyl vinylether	15.48	63.0	1703	1703.00	NO CALIB	87
33)	Bromodichloromethane	14.94	83.0	28434	17.91	UG/L	98
34)	cis-1,3-Dichloropropene	15.83	75.0	15248	8.44	UG/L	92
35)	Toluene	16.41	92.0	47439	19.73	UG/L	96
36)	4-Methyl-2-pentanone	16.21	43.0	66339	38.89	UG/L	85
37)	trans-1,3-Dichloropropene	16.99	75.0	10082	6.66	UG/L	99
38)	Tetrachloroethene	17.46	166.0	23452	20.22	UG/L	98
39)	1,1,2-Trichloroethane	17.32	132.0	1774	19.01	UG/L	97
40)	1,3-Dichloropropane	17.63	76.0	35576	19.35	UG/L	97

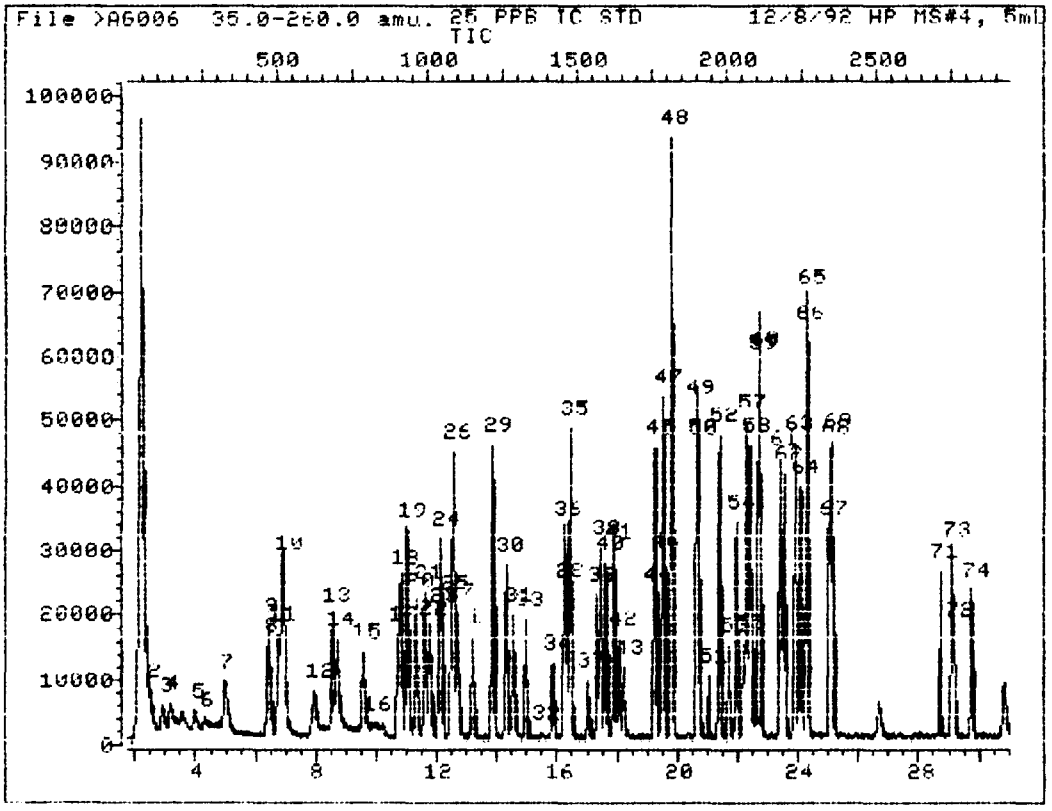
Operator ID: KELLY Quant Rev: 7 Quant Time: 921208 13:50
Output File: ^AG006::D3 Injected at: 921208 13:17
Data File: >AG006::D6 Dilution Factor: 1.00000
Name: 25 PPB IC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

ID File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
41)	2-Hexanone	17.91	43.0	60207	39.76	UG/L	86
42)	Dibromochloromethane	18.06	129.0	18237	16.00	UG/L	97
43)	1,2-Dibromoethane	18.22	107.0	18391	16.99	UG/L	98
44)	*CHLOROBENZENE-D5	19.18	117.0	21597	10.00	UG/L	95
45)	Chlorobenzene	19.24	112.0	51697	20.15	UG/L	92
46)	1,1,1,2-Tetrachloroethane	19.46	131.0	13236	14.80	UG/L	97
47)	Ethylbenzene	19.51	91.0	86060	20.17	UG/L	94
48)	m &/or p-Xylene	19.77	106.0	60761	41.03	UG/L	80
49)	o-Xylene	20.59	106.0	30722	20.31	UG/L	96
50)	Styrene	20.65	104.0	40315	19.74	UG/L	91
51)	Bromoform	21.01	173.0	10391	14.44	UG/L	98
52)	Isopropylbenzene	21.40	105.0	79727	18.96	UG/L	97
53)	p-BROMOFLUOROBENZENE	21.71	174.0	9317	8.39	UG/L	96
54)	Bromobenzene	21.96	156.0	22209	19.97	UG/L	98
55)	1,2,3-Trichloropropane	22.20	75.0	16745	16.16	UG/L	77
57)	n-Propylbenzene	22.29	120.0	19736	19.78	UG/L	98
58)	2-Chlorotoluene	22.42	126.0	19482	20.31	UG/L	90
59)	4-Chlorotoluene	22.67	126.0	19390	20.15	UG/L	89
60)	1,3,5-Trimethylbenzene	22.71	105.0	60000	18.78	UG/L	87
61)	tert-Butylbenzene	23.39	119.0	53325	20.39	UG/L	86
62)	1,2,4-Trimethylbenzene	23.51	105.0	59107	17.11	UG/L	89
63)	sec-Butylbenzene	23.88	105.0	86804	19.93	UG/L	93
64)	1,3-Dichlorobenzene	24.05	146.0	39018	20.17	UG/L	92
65)	1,4-Dichlorobenzene	24.25	146.0	32230	20.85	UG/L	97
66)	p-Isopropyltoluene	24.23	119.0	63632	19.58	UG/L	92
67)	1,2-DICHLOROBENZENE-D4	25.02	152.0	9888	8.36	UG/L	99
68)	1,2-Dichlorobenzene	25.05	146.0	36963	20.04	UG/L	93
69)	n-Butylbenzene	25.14	91.0	67835	18.25	UG/L	90
71)	1,2,4-Trichlorobenzene	28.67	180.0	20714	17.27	UG/L	95
72)	Naphthalene	29.18	128.0	25400	12.78	UG/L	100
73)	Hexachlorobutadiene	29.11	225.0	20286	20.62	UG/L	98
74)	1,2,3-Trichlorobenzene	29.75	180.0	18761	16.65	UG/L	94

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG006::D6 Quant Output File: ^AG006::D3
Name: 25 PPB TC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

Id File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

Operator ID: KELLY
Quant Time : 921208 13:50
Injected at: 921208 13:17

QUANT REPORT

Operator ID: KELLY Quant Rev: 7 Quant Time: 921208 14:29
Output File: ^AG007::D3 Injected at: 921208 13:56
Data File: >AG007::D6 Dilution Factor: 1.00000
Name: 50 PPB IC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

ID File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.13	96.0	32272	10.00	UG/L	95
2)	Dichlorodifluoromethane	2.48	85.0	25417	3.80	UG/L	93
3)	Chloromethane	2.88	50.0	38853	3.36	UG/L	98
4)	Vinyl chloride	3.13	62.0	34668	5.12	UG/L	99
5)	Bromomethane	3.93	94.0	16132	4.07	UG/L	89
6)	Chloroethane	4.27	64.0	9059	8.59	UG/L	93
7)	Trichlorofluoromethane	4.92	101.0	34747	5.26	UG/L	97
8)	Acrolein	6.40	56.0	15928	183.93	UG/L	95
9)	1,1-Dichloroethene	6.42	96.0	36977	35.05	UG/L	96
10)	Acetone	6.92	43.0	223273	194.65	UG/L	99
11)	Carbon disulfide	6.73	76.0	128709	45.60	UG/L	99
12)	Methylene chloride	7.92	84.0	20628	17.31	UG/L	94
13)	trans-1,2-Dichloroethene	8.50	96.0	36173	35.34	UG/L	94
14)	Acrylonitrile	8.67	53.0	83873	203.97	UG/L	97
15)	1,1-Dichloroethane	9.51	63.0	75973	35.73	UG/L	99
16)	Vinyl acetate	9.86	43.0	115429	72.95	UG/L	100
17)	2,2-Dichloropropane	10.72	77.0	65767	55.68	UG/L	97
18)	cis-1,2-Dichloroethene	10.81	96.0	50990	64.13	UG/L	96
19)	2-Butanone	11.02	43.0	253044	310.55	UG/L	71
20)	Bromochloromethane	11.30	128.0	25668	78.72	UG/L	99
21)	Chloroform	11.58	83.0	90190	67.09	UG/L	94
22)	1,1,1-Trichloroethane	11.73	97.0	62690	64.52	UG/L	97
23)	Carbon tetrachloride	12.04	117.0	47978	64.27	UG/L	92
24)	1,1-Dichloropropene	12.10	75.0	64935	72.63	UG/L	96
25)	BENZENE-D6	12.43	84.0	35288	22.64	UG/L	99
26)	Benzene	12.50	78.0	175611	83.66	UG/L	99
27)	1,2-Dichloroethane	12.64	62.0	74213	65.71	UG/L	97
28)	*TOLUENE-D8	16.27	98.0	30389	10.00	UG/L	92
29)	Trichloroethene	13.85	95.0	49304	40.05	UG/L	89
30)	1,2-Dichloropropane	14.30	63.0	55329	40.75	UG/L	92
31)	Dibromomethane	14.54	174.0	35514	40.11	UG/L	97
32)	2-Chloroethyl vinylether	15.47	63.0	1141	1141.00	NO CALIB	94
33)	Bromodichloromethane	14.94	83.0	62847	39.76	UG/L	96
34)	cis-1,3-Dichloropropene	15.82	75.0	36918	20.52	UG/L	95
35)	Toluene	16.40	92.0	94796	39.59	UG/L	94
36)	4-Methyl-2-pentanone	16.20	43.0	142079	83.67	UG/L	87
37)	trans-1,3-Dichloropropene	16.99	75.0	27091	17.97	UG/L	99
38)	Tetrachloroethene	17.45	166.0	45804	39.67	UG/L	99
39)	1,1,2-Trichloroethane	17.32	132.0	3397	36.57	UG/L	91
40)	1,3-Dichloropropane	17.63	76.0	74507	40.70	UG/L	98

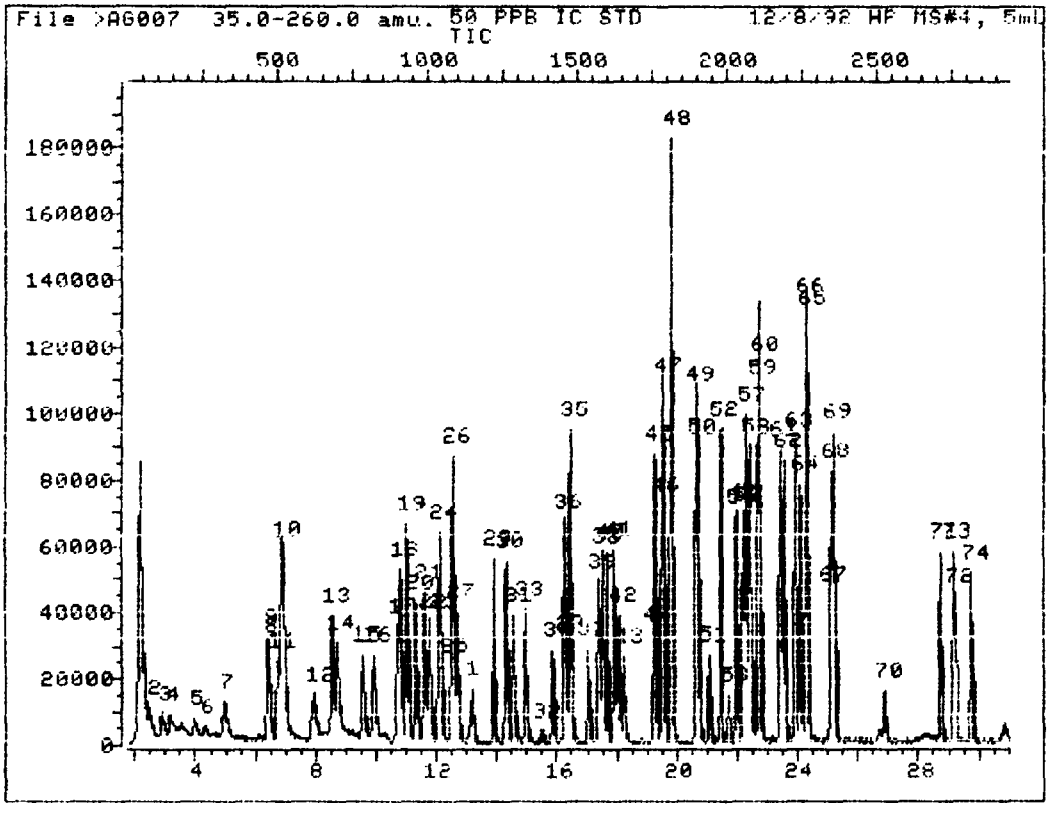
Operator ID: KELLY Quant Rev: 2 Quant Time: 921208 14:29
Output File: ^AG002::D3 Injected at: 921208 13:56
Data File: >AG002::D6 Dilution Factor: 1.00000
Name: 50 PPB IC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

ID File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
41)	2-Hexanone	17.91	43.0	121794	80.80	UG/L	85
42)	Dibromochloromethane	18.07	129.0	44122	38.82	UG/L	94
43)	1,2-Dibromoethane	18.22	107.0	43868	40.70	UG/L	99
44)	*CHLOROBENZENE-D5	19.19	117.0	21266	10.00	UG/L	98
45)	Chlorobenzene	19.24	112.0	104299	41.29	UG/L	93
46)	1,1,1,2-Tetrachloroethane	19.47	131.0	36376	41.31	UG/L	98
47)	Ethylbenzene	19.52	91.0	173561	41.32	UG/L	97
48)	m &/or p-Xylene	19.78	106.0	119451	81.91	UG/L	80
49)	o-Xylene	20.59	106.0	60800	40.82	UG/L	93
50)	Styrene	20.65	104.0	82300	40.93	UG/L	93
51)	Bromoform	21.00	173.0	29223	41.25	UG/L	97
52)	Isopropylbenzene	21.40	105.0	164135	39.64	UG/L	94
53)	p-BROMOFLUOROBENZENE	21.71	174.0	9259	8.47	UG/L	94
54)	Bromobenzene	21.96	156.0	45141	41.23	UG/L	99
55)	1,2,3-Trichloropropane	22.20	75.0	44349	43.47	UG/L	84
56)	1,1,2,2-Tetrachloroethane	22.19	83.0	53614	43.91	UG/L	99
57)	n-Propylbenzene	22.30	120.0	40995	41.72	UG/L	99
58)	2-Chlorotoluene	22.42	126.0	38860	41.15	UG/L	93
59)	4-Chlorotoluene	22.67	126.0	38028	40.14	UG/L	89
60)	1,3,5-Trimethylbenzene	22.72	105.0	125554	39.92	UG/L	84
61)	tert-Butylbenzene	23.40	119.0	107609	41.80	UG/L	84
62)	1,2,4-Trimethylbenzene	23.52	105.0	125376	36.86	UG/L	88
63)	sec-Butylbenzene	23.87	105.0	177766	41.46	UG/L	93
64)	1,3-Dichlorobenzene	24.05	146.0	78258	41.09	UG/L	95
65)	1,4-Dichlorobenzene	24.26	146.0	62173	40.85	UG/L	97
66)	p-Isopropyltoluene	24.24	119.0	130195	40.69	UG/L	90
67)	1,2-DICHLOROBENZENE-D4	25.02	152.0	9715	8.34	UG/L	91
68)	1,2-Dichlorobenzene	25.06	146.0	74238	40.87	UG/L	93
69)	n-Butylbenzene	25.15	91.0	143713	39.27	UG/L	88
70)	1,2-Dibromo-3-chloropropane	26.85	157.0	9819	48.44	UG/L	99
71)	1,2,4-Trichlorobenzene	28.67	180.0	43981	37.24	UG/L	97
72)	Naphthalene	29.19	128.0	74027	37.83	UG/L	100
73)	Hexachlorobutadiene	29.11	225.0	40373	41.67	UG/L	99
74)	1,2,3-Trichlorobenzene	29.75	180.0	40454	36.47	UG/L	96

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG007::D6 Quant Output File: ^AG007::D3
Name: 50 PPB IC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

Id File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

Operator ID: KELLY
Quant Time : 921208 14:29
Injected at: 921208 13:56

QUANT REPORT

Operator ID: KELLY Quant Rev: 2 Quant Time: 921208 15:09
Output File: ^AG008::D3 Injected at: 921208 14:36
Data File: >AG008::D6 Dilution Factor: 1.00000
Name: 100 PPB IC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

ID File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921208 13:33

	Compound	R.T.	Q Ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.14	96.0	55571	10.00	UG/L	95
2)	Dichlorodifluoromethane	2.48	85.0	69187	9.32	UG/L	94
3)	Chloromethane	2.87	50.0	81619	6.40	UG/L	94
4)	Vinyl chloride	3.14	62.0	78082	10.44	UG/L	98
5)	Bromomethane	3.94	94.0	56992	8.45	UG/L	97
6)	Chloroethane	4.25	64.0	17831	15.37	UG/L	95
7)	Trichlorofluoromethane	4.93	101.0	88842	10.98	UG/L	95
8)	Acrolein	6.46	56.0	22519	235.63	UG/L	87
9)	1,1-Dichloroethene	6.40	96.0	66753	52.33	UG/L	96
10)	Acetone	7.02	43.0	371198	291.21	UG/L	97
11)	Carbon disulfide	6.71	76.0	108815	66.72	UG/L	99
12)	Methylene chloride	7.91	84.0	37348	28.39	UG/L	95
13)	trans-1,2-Dichloroethene	8.50	96.0	72524	54.71	UG/L	96
14)	Acrylonitrile	8.70	53.0	154989	341.54	UG/L	93
15)	1,1-Dichloroethane	9.51	63.0	153126	65.51	UG/L	98
16)	Vinyl acetate	9.87	43.0	259975	135.13	UG/L	100
17)	2,2-Dichloropropane	10.72	77.0	135493	103.94	UG/L	99
18)	cis-1,2-Dichloroethene	10.82	96.0	181769	115.99	UG/L	98
19)	2-Butanone	11.05	43.0	443153	492.82	UG/L	69
20)	Bromochloromethane	11.30	128.0	50064	139.12	UG/L	98
21)	Chloroform	11.58	83.0	180394	121.59	UG/L	96
22)	1,1,1-Trichloroethane	11.75	97.0	128513	119.84	UG/L	96
23)	Carbon tetrachloride	12.05	117.0	101990	123.79	UG/L	91
24)	1,1-Dichloropropene	12.10	75.0	133686	135.49	UG/L	99
25)	BENZENE-D6	12.43	84.0	38975	22.65	UG/L	99
26)	Benzene	12.51	78.0	350134	151.15	UG/L	98
27)	1,2-Dichloroethane	12.65	62.0	143857	115.42	UG/L	98
28)	*TOLUENE-D8	16.26	98.0	33242	10.00	UG/L	87
29)	Trichloroethene	13.85	95.0	99615	73.97	UG/L	88
30)	1,2-Dichloropropane	14.30	63.0	109585	73.79	UG/L	97
31)	Dibromomethane	14.54	174.0	66427	68.59	UG/L	98
32)	2-Chloroethyl vinylether	15.46	63.0	2567	2567.00	NO CALIB	96
33)	Bromodichloromethane	14.94	83.0	122504	70.85	UG/L	99
34)	cis-1,3-Dichloropropene	15.83	75.0	76252	38.74	UG/L	94
35)	Toluene	16.39	92.0	184912	70.60	UG/L	94
36)	4-Methyl-2-pentanone	16.21	43.0	243669	131.18	UG/L	86
37)	trans-1,3-Dichloropropene	16.99	75.0	53670	32.54	UG/L	97
38)	Tetrachloroethene	17.45	166.0	88961	70.44	UG/L	98
39)	1,1,2-Trichloroethane	17.32	132.0	6479	63.76	UG/L	93
40)	1,3-Dichloropropane	17.63	76.0	141082	70.45	UG/L	99

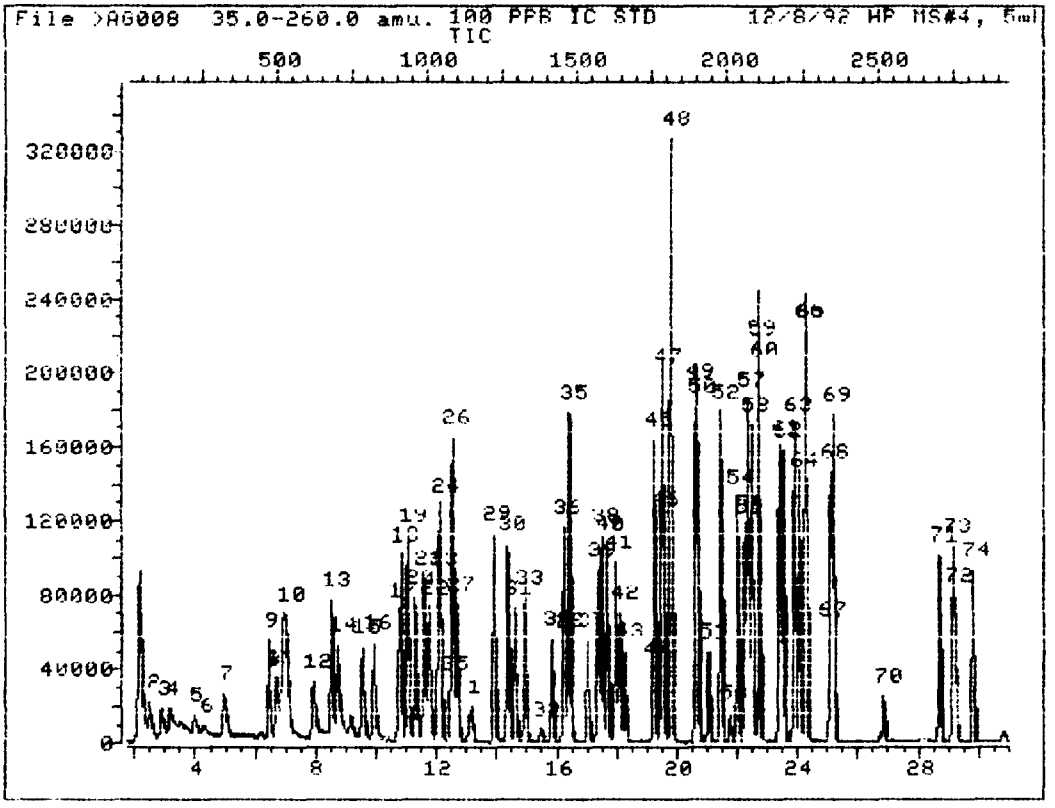
Operator ID: KELLY Quant Rev: 7 Quant Time: 921208 15:09
Output File: ^AG008::D3 Injected at: 921208 14:36
Data File: >AG008::D6 Dilution Factor: 1.00000
Name: 100 PPB IC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

ID File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
41)	2-Hexanone	17.91	43.0	209195	126.87	UG/L	85
42)	Dibromochloromethane	18.07	129.0	86189	69.41	UG/L	97
43)	1,2-Dibromoethane	18.22	107.0	82965	70.37	UG/L	97
44)	*CHLOROBENZENE-D5	19.18	117.0	22527	10.00	UG/L	94
45)	Chlorobenzene	19.24	112.0	200638	74.98	UG/L	90
46)	1,1,1,2-Tetrachloroethane	19.46	131.0	68554	73.49	UG/L	98
47)	Ethylbenzene	19.52	91.0	334155	75.10	UG/L	93
48)	m &/or p-Xylene	19.78	106.0	218465	141.42	UG/L	78
49)	o-Xylene	20.59	106.0	115575	73.26	UG/L	94
50)	Styrene	20.65	104.0	157676	74.03	UG/L	93
51)	Bromoform	21.01	173.0	55643	74.14	UG/L	98
52)	Isopropylbenzene	21.40	105.0	318247	72.56	UG/L	94
53)	p-BROMOFLUOROBENZENE	21.70	174.0	10206	8.81	UG/L	99
54)	Bromobenzene	21.96	156.0	85609	73.82	UG/L	99
55)	1,2,3-Trichloropropane	22.20	75.0	77286	71.52	UG/L	83
56)	1,1,2,2-Tetrachloroethane	22.19	83.0	89845	69.46	UG/L	99
57)	n-Propylbenzene	22.30	120.0	76930	73.91	UG/L	99
58)	2-Chlorotoluene	22.42	126.0	74268	74.24	UG/L	90
59)	4-Chlorotoluene	22.67	126.0	69199	68.95	UG/L	88
60)	1,3,5-Trimethylbenzene	22.72	105.0	236368	70.94	UG/L	84
61)	tert-Butylbenzene	23.39	119.0	209765	76.92	UG/L	84
62)	1,2,4-Trimethylbenzene	23.51	105.0	243046	67.46	UG/L	87
63)	sec-Butylbenzene	23.88	105.0	341012	75.08	UG/L	91
64)	1,3-Dichlorobenzene	24.05	146.0	145111	71.93	UG/L	93
65)	1,4-Dichlorobenzene	24.27	146.0	110635	68.63	UG/L	95
66)	p-Isopropyltoluene	24.24	119.0	239703	70.72	UG/L	89
67)	1,2-DICHLOROBENZENE-D4	25.01	152.0	10214	8.28	UG/L	89
68)	1,2-Dichlorobenzene	25.06	146.0	138344	71.90	UG/L	92
69)	n-Butylbenzene	25.14	91.0	274931	70.92	UG/L	88
70)	1,2-Dibromo-3-chloropropane	26.85	157.0	16508	76.88	UG/L	99
71)	1,2,4-Trichlorobenzene	28.67	180.0	82451	65.91	UG/L	97
72)	Naphthalene	29.19	128.0	130620	63.02	UG/L	100
73)	Hexachlorobutadiene	29.12	225.0	75226	73.29	UG/L	97
74)	1,2,3-Trichlorobenzene	29.76	180.0	75317	64.09	UG/L	96

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG008::D6 Quant Output File: ^AG008::D3
Name: 100 PPB IC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

Id File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

Operator ID: KELLY
Quant Time : 921208 15:09
Injected at: 921208 14:36

QUANT REPORT

Operator ID: KELLY Quant Rev: 7 Quant Time: 921208 15:48
Output File: ^AG009::D3 Injected at: 921208 15:15
Data File: >AG009::D6 Dilution Factor: 1.00000
Name: 150 PPB IC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

ID File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.14	96.0	34639	10.00	UG/L	96
2)	Dichlorodifluoromethane	2.47	85.0	89760	12.48	UG/L	99
3)	Chloromethane	2.87	50.0	117160	9.44	UG/L	94
4)	Vinyl chloride	3.13	62.0	107469	14.76	UG/L	99
5)	Bromomethane	3.92	94.0	52522	12.33	UG/L	99
6)	Chloroethane	4.24	64.0	25455	22.46	UG/L	99
7)	Trichlorofluoromethane	4.91	101.0	108706	15.31	UG/L	96
8)	Acrolein	6.42	56.0	36245	389.46	UG/L	90
9)	1,1 Dichloroethene	6.39	96.0	98070	86.50	UG/L	97
10)	Acetone	7.00	43.0	568363	461.07	UG/L	97
11)	Carbon disulfide	6.70	76.0	285485	94.11	UG/L	99
12)	Methylene chloride	7.91	84.0	54512	42.56	UG/L	92
13)	trans 1,2-Dichloroethene	8.50	96.0	103405	94.01	UG/L	95
14)	Acrylonitrile	8.69	53.0	234697	531.11	UG/L	92
15)	1,1-Dichloroethane	9.51	63.0	218421	95.59	UG/L	99
16)	Vinyl acetate	9.86	43.0	328733	193.31	UG/L	100
17)	2,2-Dichloropropane	10.71	77.0	192079	151.31	UG/L	99
18)	cis-1,2-Dichloroethene	10.81	96.0	144883	169.57	UG/L	97
19)	2-Butanone	11.03	43.0	686000	783.40	UG/L	68
20)	Bromochloromethane	11.30	128.0	69268	197.67	UG/L	98
21)	Chloroform	11.58	83.0	257706	178.37	UG/L	94
22)	1,1,1-Trichloroethane	11.74	97.0	182739	175.00	UG/L	98
23)	Carbon tetrachloride	12.04	117.0	146377	182.45	UG/L	95
24)	1,1-Dichloropropene	12.11	75.0	186646	194.26	UG/L	98
25)	BENZENE-D6	12.44	84.0	37033	22.10	UG/L	97
26)	Benzene	12.51	78.0	496419	220.06	UG/L	99
27)	1,2-Dichloroethane	12.65	62.0	217225	178.98	UG/L	98
29)	Trichloroethene	13.85	95.0	140641	140641.0	COUNTS	88
30)	1,2-Dichloropropane	14.31	63.0	158265	158265.0	COUNTS	94
31)	Dibromomethane	14.54	174.0	96157	96157.00	COUNTS	97
32)	2-Chloroethyl vinylether	15.48	63.0	2384	2384.00	NO CALIB	92
33)	Bromodichloromethane	14.94	83.0	180508	180508.0	COUNTS	99
34)	cis-1,3-Dichloropropene	15.82	75.0	112102	112102.0	COUNTS	95
35)	Toluene	16.40	92.0	258966	258966.0	COUNTS	92
36)	4-Methyl-2-pentanone	16.21	43.0	376432	376432.0	COUNTS	86
37)	trans-1,3-Dichloropropene	16.99	75.0	80957	80957.00	COUNTS	99
38)	Tetrachloroethene	17.46	166.0	122845	122845.0	COUNTS	98
39)	1,1,2-Trichloroethane	17.32	132.0	9364	9364.00	COUNTS	94
40)	1,3-Dichloropropane	17.63	76.0	203305	203305.0	COUNTS	99
41)	2-Hexanone	17.91	43.0	329518	329518.0	COUNTS	84

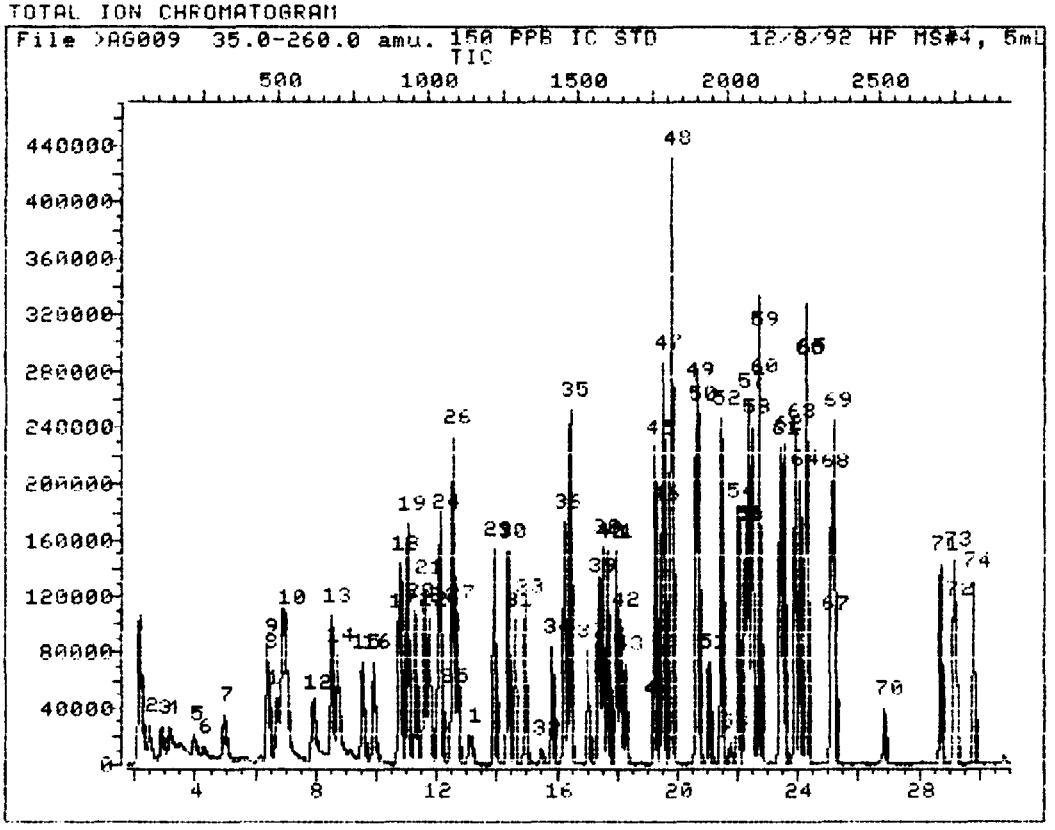
Operator ID: KELLY Quant Rev: 2 Quant Time: 921208 15:48
Output File: ^AG009::D3 Injected at: 921208 15:15
Data File: >AG009::D6 Dilution Factor: 1.00000
Name: 150 PPB IC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

ID File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
42)	Dibromochloromethane	18.07	129.0	126146	126146.0	COUNTS	97
43)	1,2-Dibromoethane	18.22	107.0	122979	122979.0	COUNTS	98
44)	*CHLOROBENZENE-D5	19.18	117.0	20887	10.00	UG/L	95
45)	Chlorobenzene	19.24	112.0	281635	113.51	UG/L	91
46)	1,1,1,2-Tetrachloroethane	19.47	131.0	97978	113.28	UG/L	97
47)	Ethylbenzene	19.52	91.0	470156	113.96	UG/L	93
48)	m &/or p-Xylene	19.79	106.0	295766	206.50	UG/L	78
49)	o-Xylene	20.60	106.0	158873	108.61	UG/L	91
50)	Styrene	20.66	104.0	220048	111.43	UG/L	92
51)	Bromoform	21.01	173.0	82149	118.06	UG/L	96
52)	Isopropylbenzene	21.41	105.0	446859	109.89	UG/L	93
53)	p-BROMOFLUOROBENZENE	21.71	174.0	9607	8.95	UG/L	99
54)	Bromobenzene	21.96	156.0	119315	110.96	UG/L	99
55)	1,2,3-Trichloropropane	22.21	75.0	112947	112.73	UG/L	84
56)	1,1,2,2-Tetrachloroethane	22.19	83.0	134369	112.04	UG/L	97
57)	n-Propylbenzene	22.31	120.0	108318	112.24	UG/L	98
58)	2-Chlorotoluene	22.43	126.0	104339	112.49	UG/L	89
59)	4-Chlorotoluene	22.68	126.0	95824	102.98	UG/L	87
60)	1,3,5-Trimethylbenzene	22.73	105.0	326370	105.65	UG/L	83
61)	tert-Butylbenzene	23.40	119.0	295682	116.93	UG/L	83
62)	1,2,4-Trimethylbenzene	23.52	105.0	343906	102.94	UG/L	85
63)	sec-Butylbenzene	23.89	105.0	482403	114.55	UG/L	90
64)	1,3-Dichlorobenzene	24.06	146.0	204436	109.29	UG/L	93
65)	1,4-Dichlorobenzene	24.28	146.0	150045	100.38	UG/L	94
66)	p-Isopropyltoluene	24.24	119.0	328222	104.44	UG/L	88
67)	1,2-DICHLOROBENZENE-D4	25.02	152.0	9215	8.06	UG/L	70
68)	1,2-Dichlorobenzene	25.06	146.0	191591	107.40	UG/L	92
69)	n-Butylbenzene	25.15	91.0	392769	109.28	UG/L	88
70)	1,2-Dibromo-3-chloropropane	26.85	157.0	25413	127.65	UG/L	95
71)	1,2,4-Trichlorobenzene	28.68	180.0	116866	100.75	UG/L	97
72)	Naphthalene	29.20	128.0	191582	99.68	UG/L	100
73)	Hexachlorobutadiene	29.12	225.0	102537	107.75	UG/L	98
74)	1,2,3-Trichlorobenzene	29.76	180.0	106708	97.93	UG/L	96

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG009::D6 Quant Output File: ^AG009::D3
Name: 150 PPB IC STD Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

Id File: IDNF2D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921203 13:33

Operator ID: KELLY
Quant Time : 921208 15:48
Injected at: 921208 15:15

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1077 SAS No.: NA SDG No.: NA

Instrument ID: INCOS1 Calibration Date(s): 12/09/92 12/09/92

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

Min $\overline{RRF}$ for SPCC(#) = 0.300 (0.250 for Bromoform) Max %RSD for CCC(*) = 35.0%

LAB FILE ID: RRF05 = IC051209 RRF10 = IC101209
RRF15 = IC151209 RRF20 = IC201209 RRF25 = IC251209

COMPOUND		RRF05	RRF10	RRF15	RRF20	RRF25	$\overline{RRF}$	% RSD	
Chloromethane	#	0.177	0.154	0.150	0.191	0.143	0.163	12.4	#
Bromomethane		0.101	0.064	0.067	0.094	0.074	0.080	20.7	
Vinyl Chloride	*	0.227	0.191	0.201	0.208	0.155	0.196	13.6	*
Chloroethane		0.107	0.079	0.078	0.087	0.072	0.085	16.0	
Methylene Chloride		1.137	0.828	0.802	1.098	0.899	0.953	16.3	
Acetone		0.067	0.041	0.043	0.060	0.057	0.054	20.8	
Acrolein		0.013	0.009	0.008	0.013	0.012	0.011	21.3	
Carbon Disulfide		3.879	2.798	2.939	3.697	3.224	3.307	14.2	
Acrylonitrile		0.065	0.039	0.046	0.059	0.056	0.053	19.7	
1,1-Dichloroethene	*	1.725	1.250	1.299	1.734	1.485	1.499	15.2	*
1,1-Dichloroethane	#	2.814	1.980	1.936	2.804	2.494	2.406	17.8	#
1,2-Dichloroethene (total)		1.859	1.337	1.250	1.863	1.691	1.600	18.1	
Chloroform	*	3.010	2.125	2.004	3.036	2.777	2.590	19.0	*
1,2-Dichloroethane		0.961	0.652	0.616	1.024	0.953	0.841	22.8	
2-Butanone		0.016	0.010	0.010	0.013	0.011	0.012	21.3	
1,1,1-Trichloroethane		0.834	0.617	0.676	0.834	0.783	0.749	13.1	
Carbon Tetrachloride		0.675	0.508	0.563	0.713	0.679	0.628	13.9	
Vinyl acetate		0.318	0.202	0.200	0.287	0.256	0.253	20.5	
Bromodichloromethane		0.827	0.589	0.647	0.823	0.764	0.730	14.7	
1,2-Dichloropropane	*	0.698	0.488	0.510	0.632	0.592	0.584	14.8	*
cis-1,3-Dichloropropene		0.762	0.538	0.571	0.751	0.690	0.662	15.6	
Trichloroethene		1.027	0.762	0.809	1.012	0.933	0.909	13.1	
Dibromochloromethane		0.782	0.554	0.596	0.786	0.724	0.688	15.6	
1,1,2-Trichloroethane		0.409	0.289	0.305	0.396	0.363	0.352	15.2	
Benzene		1.812	1.285	1.328	1.698	1.564	1.537	14.9	
Trans-1,3-Dichloropropene		0.514	0.362	0.394	0.533	0.507	0.462	16.9	
2-Chloroethylvinylether		0.153	0.105	0.111	0.149	0.142	0.132	16.9	
Bromoform	#	0.585	0.402	0.444	0.585	0.564	0.516	16.8	#
4-Methyl-2-Pentanone		0.369	0.242	0.271	0.352	0.320	0.311	17.2	
2-Hexanone		0.216	0.149	0.164	0.220	0.199	0.190	16.7	
Tetrachloroethene		2.081	1.552	1.642	1.992	1.757	1.805	12.5	
1,1,2,2-Tetrachloroethane	#	0.738	0.517	0.553	0.713	0.613	0.627	15.4	#
Toluene	*	2.366	1.770	1.906	2.347	2.081	2.094	12.6	*
Chlorobenzene	#	3.207	2.311	2.484	3.193	2.833	2.806	14.5	#
Ethylbenzene	*	1.698	1.242	1.328	1.717	1.515	1.500	14.3	*
Styrene		2.598	1.907	2.055	2.733	2.426	2.344	15.0	
M-Xylene		1.843	1.370	1.438	1.918	1.734	1.661	14.7	
O-&/or P-Xylene		1.817	1.310	1.343	1.865	1.661	1.599	16.3	
Toluene-d8		3.741	3.894	3.989	3.725	3.716	3.813	3.2	
Benzene-d6		1.149	1.170	1.161	1.131	1.174	1.157	1.5	
1,2-Dichloroethane-d4		0.505	0.502	0.477	0.638	0.661	0.557	15.4	

PROCEDURE: TCA DIAGNOSTIC REPORT 12/09/92 15:01:59
DATA FILE: IC051209
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS				>< --- PLUS UNKNOWNS			--- >< - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	2	0	6	6	1	0	VP_IS/VP_SURR
3	3	1	0	12	12	4	93	VP_IS/VP_CMPDS1
3	3	1	0	12	12	1	30	VP_IS/VP_CMPDS2
3	3	1	0	12	12	1	0	VP_IS/VP_CMPDS3
3	3	1	0	14	13	1	38	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 43 FOUND

< COMPOUND		>< ---------- SEARCH					---------- >< SAT		>< ------ CHRO			------- >	
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	279	278	278	.	1	951	.	128	277	-1	1
2	VP	2	550	549	549	.	2	964	.	77	549	.	1
3	VP	3	670	669	669	.	1	981	.	55	669	.	1
4	VP	4	360	359	359	.	1	974	.	65	359	.	1
5	VP	5	504	503	503	.	1	967	.	84	503	.	1
6	VP	6	696	695	695	.	1	990	.	98	695	.	1
7	VP	7	49	49	48	-1	2	983	.	50	48	.	1
8	VP	8	77	77	76	-1	2	1000	.	94	76	.	1
9	VP	9	87	87	87	.	1	996	.	62	87	.	1
10	VP	10	119	119	118	-1	1	998	.	64	118	.	1
11	VP	11	183	183	182	-1	1	963	.	84	181	-1	1
12	VP	12	201	201	201	.	1	860	.	43	201	.	1
13	VP	13	203	203	205	2	1	953	.	56	204	-1	1
14	VP	14	227	227	227	.	1	998	.	76	227	.	1
15	VP	15	225	225	225	.	1	923	.	53	225	.	1
16	VP	16	264	263	263	.	1	945	.	96	263	.	1
17	VP	17	301	300	300	.	1	942	.	63	300	.	1
18	VP	18	324	323	323	.	1	940	.	96	323	.	1
19	VP	19	341	340	340	.	1	929	.	83	340	.	1
20	VP	20	363	362	362	.	1	941	.	60	362	.	1
21	VP	21	360	359	360	1	1	992	.	72	360	.	1
22	VP	22	400	399	399	.	1	923	.	97	399	.	1
23	VP	23	400	399	399	.	1	930	.	117	399	.	1
24	VP	24	418	417	417	.	1	987	.	43	417	.	1
25	VP	25	429	428	428	.	1	951	.	83	428	.	1
26	VP	26	468	467	467	.	1	956	.	63	467	.	1
27	VP	27	476	475	475	.	1	943	.	75	475	.	1
28	VP	28	493	492	492	.	1	993	.	130	492	.	1
29	VP	29	512	511	511	.	1	981	.	129	511	.	1
30	VP	30	515	514	514	.	1	971	.	97	514	.	1
31	VP	31	508	507	507	.	1	980	.	78	507	.	1
32	VP	32	514	513	513	.	1	925	.	75	514	1	1
33	VP	33	547	546	546	.	1	986	.	63	546	.	1
34	VP	34	592	591	591	.	1	926	.	173	591	.	1
35	VP	35	606	605	605	.	1	985	.	43	605	.	1
36	VP	36	652	651	651	.	1	882	.	43	651	.	1
37	VP	37	-661	660	.	.	.	.	.	164	662	.	1
38	VP	38	662	661	661	.	1	811	.	83	661	.	1
39	VP	39	702	701	700	-1	1	989	.	92	700	.	1
40	VP	40	736	735	735	.	1	970	.	112	735	.	1
41	VP	41	792	791	791	.	1	993	.	106	791	.	1
42	VP	42	907	906	906	.	1	987	.	104	906	.	1
43	VP	44	914	913	912	-1	1	995	.	106	912	.	1
44	VP	45	942	941	941	.	1	997	.	106	940	-1	1

Quantitation Report File: IC051209

Data: IC051209.TI
12/09/92 14:14:00
Sample: CLP,1077,,IC051209,L,W,,V,IC05
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	277	9:14	1	1.000	A BB	127903.	10.000	UG/L	2.86
2	77	549	18:18	2	1.000	A BB	378703.	10.000	UG/L	2.86
3	55	669	22:18	3	1.000	A BB	207641.	10.000	UG/L	2.86
4	65	359	11:58	1	1.296	A BB	64553.	7.609	UG/L	2.18
5	84	503	16:46	2	0.916	A BB	435135.	10.053	UG/L	2.88
6	98	695	23:10	3	1.039	A BB	776841.	11.572	UG/L	3.31
7	50	48	1:36	1	0.173	A VB	22586.	2.696	UG/L	0.77
8	94	76	2:32	1	0.274	A VB	13542.	2.324	UG/L	0.66
9	62	87	2:54	1	0.314	A BB	28987.	3.286	UG/L	0.94
10	64	118	3:56	1	0.426	A BB	13693.	3.127	UG/L	0.89
11	84	181	6:02	1	0.653	A BB	72722.	5.793	UG/L	1.66
12	43	201	6:42	1	0.726	A BB	21270.	25.318	UG/L	7.24
13	56	204	6:48	1	0.736	A BB	4187.	22.546	UG/L	6.45
14	76	227	7:34	1	0.819	A BB	248081.	5.779	UG/L	1.65
15	53	225	7:30	1	0.812	A BB	20831.	25.740	UG/L	7.36
16	96	263	8:46	1	0.949	A BB	110326.	5.460	UG/L	1.56
17	63	300	10:00	1	1.083	A BB	179929.	5.487	UG/L	1.57
18	96	323	10:46	1	1.166	A BB	118904.	5.472	UG/L	1.57
19	83	340	11:20	1	1.227	A BB	192522.	5.218	UG/L	1.49
20	62	362	12:04	1	1.307	A BB	61488.	4.725	UG/L	1.35
21	72	360	12:00	2	0.656	A BB	15118.	29.365	UG/L	8.40
22	97	399	13:18	2	0.727	A BB	157828.	4.721	UG/L	1.35
23	117	399	13:18	2	0.727	A BV	30717.	1.095	UG/L	0.31
24	43	417	13:54	2	0.760	A BB	120537.	11.397	UG/L	3.26
25	83	428	14:16	2	0.780	A BB	156646.	5.032	UG/L	1.44
26	63	467	15:34	2	0.851	A BB	132180.	5.942	UG/L	1.70
27	75	475	15:50	2	0.865	A BB	233593.	8.616	UG/L	2.46
28	130	492	16:24	2	0.896	A BB	194547.	5.598	UG/L	1.60
29	129	511	17:02	2	0.931	A BB	147988.	5.083	UG/L	1.45
30	97	514	17:08	2	0.936	A BB	77433.	5.301	UG/L	1.52
31	78	507	16:54	2	0.923	A BB	343084.	5.958	UG/L	1.70
32	75	514	17:08	2	0.936	A BB	36949.	1.869	UG/L	0.53
33	63	546	18:12	2	0.995	A BB	29039.	5.206	UG/L	1.49
34	173	591	19:42	2	1.077	A BB	110860.	5.966	UG/L	1.71
35	43	605	20:10	3	0.904	A BB	76628.	10.578	UG/L	3.03
36	43	651	21:42	3	0.973	A BB	44935.	9.859	UG/L	2.82
37	164	662	22:04	3	0.990	A BB	216033.	6.616	UG/L	1.89
38	83	661	22:02	3	0.988	A BB	76596.	5.338	UG/L	1.53
39	92	700	23:20	3	1.046	A BB	245653.	5.838	UG/L	1.67
40	112	735	24:30	3	1.099	A BB	332934.	5.596	UG/L	1.60
41	106	791	26:22	3	1.182	A BB	176330.	5.572	UG/L	1.59
42	104	906	30:12	3	1.354	A BB	269754.	5.511	UG/L	1.58
43	106	912	30:24	3	1.363	A BB	191361.	5.619	UG/L	1.61
44	106	940	31:20	3	1.405	A BB	188635.	5.744	UG/L	1.64

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:16	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:20	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:20	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:00	1.00	1.295	1.00	7.61	10.00	0.505	0.663	0.76
5	16:48	1.00	0.916	1.00	10.05	10.00	1.149	1.143	1.01
6	23:12	1.00	1.039	1.00	11.57	10.00	3.741	3.233	1.16
7	1:38	0.98	0.176	0.98	2.70	30.00	0.059	0.655	0.09
8	2:34	0.99	0.277	0.99	2.32	30.00	0.035	0.456	0.08
9	2:54	1.00	0.313	1.00	3.29	30.00	0.076	0.690	0.11
10	3:58	0.99	0.428	1.00	3.13	30.00	0.036	0.342	0.10

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:04	0.99	0.655	1.00	5.79	15.00	0.379	0.982	0.39
12	6:42	1.00	0.723	1.00	25.32	75.00	0.022	0.066	0.34
13	6:50	1.00	0.737	1.00	22.55	75.00	0.004	0.015	0.30
14	7:34	1.00	0.817	1.00	5.78	15.00	1.293	3.356	0.39
15	7:28	1.00	0.806	1.01	25.74	75.00	0.022	0.063	0.34
16	8:48	1.00	0.950	1.00	5.46	15.00	0.575	1.580	0.36
17	10:02	1.00	1.083	1.00	5.49	15.00	0.938	2.564	0.37
18	10:48	1.00	1.165	1.00	5.47	15.00	0.620	1.699	0.36
19	11:22	1.00	1.227	1.00	5.22	15.00	1.003	2.884	0.35
20	12:06	1.00	1.306	1.00	4.73	15.00	0.320	1.017	0.32
21	12:00	1.00	0.655	1.00	29.36	75.00	0.005	0.014	0.39
22	13:20	1.00	0.727	1.00	4.72	15.00	0.278	0.883	0.31
23	13:42	0.97	0.747	0.97	1.10	15.00	0.054	0.740	0.07
24	13:56	1.00	0.760	1.00	11.40	30.00	0.106	0.279	0.38
25	14:18	1.00	0.780	1.00	5.03	15.00	0.276	0.822	0.34
26	15:36	1.00	0.851	1.00	5.94	15.00	0.233	0.587	0.40
27	15:52	1.00	0.865	1.00	8.62	24.30	0.254	0.716	0.35
28	16:26	1.00	0.896	1.00	5.60	15.00	0.342	0.918	0.37
29	17:04	1.00	0.931	1.00	5.08	15.00	0.261	0.769	0.34
30	17:10	1.00	0.936	1.00	5.30	15.00	0.136	0.386	0.35
31	16:56	1.00	0.924	1.00	5.96	15.00	0.604	1.521	0.40
32	17:10	1.00	0.936	1.00	1.87	5.70	0.171	0.522	0.33
33	18:14	1.00	0.995	1.00	5.21	15.00	0.051	0.147	0.35
34	19:44	1.00	1.076	1.00	5.97	15.00	0.195	0.491	0.40
35	20:12	1.00	0.904	1.00	10.58	30.00	0.123	0.349	0.35
36	21:44	1.00	0.973	1.00	9.86	30.00	0.072	0.219	0.33
37	22:06	1.00	0.990	1.00	6.62	15.00	0.694	1.573	0.44
38	22:04	1.00	0.988	1.00	5.34	15.00	0.246	0.691	0.36
39	23:22	1.00	1.046	1.00	5.84	15.00	0.789	2.027	0.39
40	24:32	1.00	1.099	1.00	5.60	15.00	1.069	2.865	0.37
41	26:24	1.00	1.182	1.00	5.57	15.00	0.566	1.524	0.37
42	30:12	1.00	1.352	1.00	5.51	15.00	0.866	2.357	0.37
43	30:26	1.00	1.363	1.00	5.62	15.00	0.614	1.640	0.37
44	31:22	1.00	1.404	1.00	5.74	15.00	0.606	1.582	0.38

PROCEDURE: TCA DIAGNOSTIC REPORT 12/09/92 15:56:56
DATA FILE: IC101209
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	80	6	6	1	60	VP_IS/VP_SURR
3	3	1	80	12	12	8	65	VP_IS/VP_CMPDS1
3	3	1	80	12	12	1	54	VP_IS/VP_CMPDS2
3	3	1	80	12	12	1	55	VP_IS/VP_CMPDS3
3	3	1	80	14	12	1	50	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 42 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><							------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	278	278	278	.	1	946	.	128	278	.	1
2	VP	2	549	549	550	1	1	966	.	77	550	.	1
3	VP	3	669	669	669	.	1	984	.	55	670	1	1
4	VP	4	359	359	360	1	1	970	.	65	359	-1	1
5	VP	5	503	503	503	.	1	964	.	84	503	.	1
6	VP	6	695	696	696	.	1	990	.	98	695	-1	1
7	VP	7	48	48	49	1	2	980	.	50	49	.	1
8	VP	8	76	76	77	1	2	997	.	94	.	.	.
9	VP	9	87	87	87	.	2	999	.	62	87	.	1
10	VP	10	118	118	119	1	1	997	.	64	118	-1	1
11	VP	11	182	182	182	.	1	961	.	84	182	.	1
12	VP	12	201	201	201	.	1	905	.	43	201	.	1
13	VP	13	205	205	204	-1	1	965	.	56	204	.	1
14	VP	14	227	227	227	.	1	998	.	76	227	.	1
15	VP	15	225	225	225	.	1	950	.	53	225	.	1
16	VP	16	263	263	263	.	1	942	.	96	263	.	1
17	VP	17	300	300	301	1	1	943	.	63	301	.	1
18	VP	18	323	323	323	.	1	934	.	96	323	.	1
19	VP	19	340	340	341	1	1	930	.	83	341	.	1
20	VP	20	362	362	362	.	1	940	.	62	363	1	1
21	VP	21	360	360	360	.	1	988	.	72	360	.	1
22	VP	22	399	399	400	1	1	924	.	97	399	-1	1
23	VP	23	399	399	400	1	1	932	.	117	399	-1	1
24	VP	24	417	417	417	.	1	986	.	43	417	.	1
25	VP	25	428	428	428	.	1	949	.	83	428	.	1
26	VP	26	467	467	468	1	1	957	.	63	468	.	1
27	VP	27	475	475	476	1	1	940	.	75	476	.	1
28	VP	28	492	492	493	1	1	925	.	130	493	.	1
29	VP	29	511	512	511	-1	1	976	.	129	512	1	1
30	VP	30	514	515	514	-1	1	974	.	97	514	.	1
31	VP	31	507	508	508	.	1	975	.	78	508	.	1
32	VP	32	513	514	514	.	1	922	.	75	514	.	1
33	VP	33	546	547	546	-1	1	985	.	63	546	.	1
34	VP	34	591	592	592	.	1	930	.	173	592	.	1
35	VP	35	605	606	605	-1	1	978	.	43	605	.	1
36	VP	36	651	652	652	.	1	922	.	43	652	.	1
37	VP	37	-660	661	.	.	.	.	.	164	662	.	1
38	VP	38	661	662	.	.	.	.	.	83	661	.	1
39	VP	39	700	701	701	.	1	984	.	92	701	.	1
40	VP	40	735	736	736	.	1	968	.	112	736	.	1
41	VP	41	791	792	792	.	1	990	.	106	792	.	1
42	VP	42	906	907	908	1	1	990	.	104	907	-1	1
43	VP	44	912	913	914	1	1	994	.	106	914	.	1
44	VP	45	941	943	942	-1	1	994	.	106	942	.	1

Quantitation Report File: IC101209

Data: IC101209.TI
12/09/92 15:08:00
Sample: CLP,1077,,IC101209,L,W,,V,IC10
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	278	9:16	1	1.000	A BB	162083.	10.000 UG/L	2.22
2	77	550	18:20	2	1.000	A BB	472923.	10.000 UG/L	2.22
3	55	670	22:20	3	1.000	A BB	250116.	10.000 UG/L	2.22
4	65	359	11:58	1	1.291	A BB	81314.	7.563 UG/L	1.68
5	84	503	16:46	2	0.915	A VB	553251.	10.235 UG/L	2.27
6	98	695	23:10	3	1.037	A BB	973970.	12.045 UG/L	2.67
7	50	49	1:38	1	0.176	A VB	49926.	4.703 UG/L	1.04
8	NOT	FOUND							
9	62	87	2:54	1	0.313	A BB	61781.	5.527 UG/L	1.23
10	64	118	3:56	1	0.424	A BB	25710.	4.633 UG/L	1.03
11	84	182	6:04	1	0.655	A BB	134166.	8.433 UG/L	1.87
12	43	201	6:42	1	0.723	A BB	32823.	30.831 UG/L	6.83
13	56	204	6:48	1	0.734	A BB	6940.	29.491 UG/L	6.54
14	76	227	7:34	1	0.817	A BB	453575.	8.338 UG/L	1.85
15	53	225	7:30	1	0.809	A BB	31488.	30.703 UG/L	6.81
16	96	263	8:46	1	0.946	A BB	202680.	7.916 UG/L	1.75
17	63	301	10:02	1	1.083	A BB	320927.	7.723 UG/L	1.71
18	96	323	10:46	1	1.162	A BB	216710.	7.870 UG/L	1.74
19	83	341	11:22	1	1.227	A BB	344362.	7.366 UG/L	1.63
20	62	363	12:06	1	1.306	A BB	105657.	6.407 UG/L	1.42
21	72	360	12:00	2	0.655	A BB	23639.	36.768 UG/L	8.15
22	97	399	13:18	2	0.725	A BB	291621.	6.986 UG/L	1.55
23	117	399	13:18	2	0.725	A BV	54787.	1.565 UG/L	0.35
24	43	417	13:54	2	0.758	A BB	190653.	14.435 UG/L	3.20
25	83	428	14:16	2	0.778	A BB	278498.	7.164 UG/L	1.59
26	63	468	15:36	2	0.851	A BB	231016.	8.316 UG/L	1.84
27	75	476	15:52	2	0.865	A BB	411959.	12.167 UG/L	2.70
28	130	493	16:26	2	0.896	A BB	360268.	8.301 UG/L	1.84
29	129	512	17:04	2	0.931	A BB	261813.	7.200 UG/L	1.60
30	97	514	17:08	2	0.935	A BB	136777.	7.498 UG/L	1.66
31	78	508	16:56	2	0.924	A BB	607938.	8.454 UG/L	1.87
32	75	514	17:08	2	0.935	A BB	65042.	2.634 UG/L	0.58
33	63	546	18:12	2	0.993	A BB	49823.	7.153 UG/L	1.59
34	173	592	19:44	2	1.076	A BB	190024.	8.189 UG/L	1.82
35	43	605	20:10	3	0.903	A BB	120922.	13.858 UG/L	3.07
36	43	652	21:44	3	0.973	A BB	74784.	13.622 UG/L	3.02
37	164	662	22:04	3	0.988	A BB	388126.	9.868 UG/L	2.19
38	83	661	22:02	3	0.987	A BB	129354.	7.484 UG/L	1.66
39	92	701	23:22	3	1.046	A BB	442786.	8.735 UG/L	1.94
40	112	736	24:32	3	1.099	A BB	577908.	8.065 UG/L	1.79
41	106	792	26:24	3	1.182	A BB	310699.	8.150 UG/L	1.81
42	104	907	30:14	3	1.354	A BB	477045.	8.090 UG/L	1.79
43	106	914	30:28	3	1.364	A BB	342777.	8.355 UG/L	1.85
44	106	942	31:24	3	1.406	A BB	327713.	8.284 UG/L	1.84

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:16	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:20	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:20	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:00	1.00	1.295	1.00	7.56	10.00	0.502	0.663	0.76
5	16:48	1.00	0.916	1.00	10.24	10.00	1.170	1.143	1.02
6	23:12	1.00	1.039	1.00	12.04	10.00	3.894	3.233	1.20
7	1:38	1.00	0.176	1.00	4.70	30.00	0.103	0.655	0.16
8	2:34		0.277						
9	2:54	1.00	0.313	1.00	5.53	30.00	0.127	0.690	0.18
10	3:58	0.99	0.428	0.99	4.63	30.00	0.053	0.342	0.15

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:04	1.00	0.655	1.00	8.43	15.00	0.552	0.982	0.56
12	6:42	1.00	0.723	1.00	30.83	75.00	0.027	0.066	0.41
13	6:50	1.00	0.737	1.00	29.49	75.00	0.006	0.015	0.39
14	7:34	1.00	0.817	1.00	8.34	15.00	1.866	3.356	0.56
15	7:28	1.00	0.806	1.00	30.70	75.00	0.026	0.063	0.41
16	8:48	1.00	0.950	1.00	7.92	15.00	0.834	1.580	0.53
17	10:02	1.00	1.083	1.00	7.72	15.00	1.320	2.564	0.51
18	10:48	1.00	1.165	1.00	7.87	15.00	0.891	1.699	0.52
19	11:22	1.00	1.227	1.00	7.37	15.00	1.416	2.884	0.49
20	12:06	1.00	1.306	1.00	6.41	15.00	0.435	1.017	0.43
21	12:00	1.00	0.655	1.00	36.77	75.00	0.007	0.014	0.49
22	13:20	1.00	0.727	1.00	6.99	15.00	0.411	0.883	0.47
23	13:42	0.97	0.747	0.97	1.56	15.00	0.077	0.740	0.10
24	13:56	1.00	0.760	1.00	14.44	30.00	0.134	0.279	0.48
25	14:18	1.00	0.780	1.00	7.16	15.00	0.393	0.822	0.48
26	15:36	1.00	0.851	1.00	8.32	15.00	0.326	0.587	0.55
27	15:52	1.00	0.865	1.00	12.17	24.30	0.358	0.716	0.50
28	16:26	1.00	0.896	1.00	8.30	15.00	0.508	0.918	0.55
29	17:04	1.00	0.931	1.00	7.20	15.00	0.369	0.769	0.48
30	17:10	1.00	0.936	1.00	7.50	15.00	0.193	0.386	0.50
31	16:56	1.00	0.924	1.00	8.45	15.00	0.857	1.521	0.56
32	17:10	1.00	0.936	1.00	2.63	5.70	0.241	0.522	0.46
33	18:14	1.00	0.995	1.00	7.15	15.00	0.070	0.147	0.48
34	19:44	1.00	1.076	1.00	8.19	15.00	0.268	0.491	0.55
35	20:12	1.00	0.904	1.00	13.86	30.00	0.161	0.349	0.46
36	21:44	1.00	0.973	1.00	13.62	30.00	0.100	0.219	0.45
37	22:06	1.00	0.990	1.00	9.87	15.00	1.035	1.573	0.66
38	22:04	1.00	0.988	1.00	7.48	15.00	0.345	0.691	0.50
39	23:22	1.00	1.046	1.00	8.74	15.00	1.180	2.027	0.58
40	24:32	1.00	1.099	1.00	8.06	15.00	1.540	2.865	0.54
41	26:24	1.00	1.182	1.00	8.15	15.00	0.828	1.524	0.54
42	30:12	1.00	1.352	1.00	8.09	15.00	1.272	2.357	0.54
43	30:26	1.00	1.363	1.00	8.36	15.00	0.914	1.640	0.56
44	31:22	1.00	1.404	1.00	8.28	15.00	0.873	1.582	0.55

PROCEDURE: TCA DIAGNOSTIC REPORT 12/09/92 16:51:58
DATA FILE: IC151209
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	3	55	6	6	1	54	VP_IS/VP_SURR
3	3	1	55	12	12	8	51	VP_IS/VP_CMPDS1
3	3	1	55	12	12	1	54	VP_IS/VP_CMPDS2
3	3	1	55	12	12	1	44	VP_IS/VP_CMPDS3
3	3	1	55	14	13	1	47	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 43 FOUND

< COMPOUND ><			---------- SEARCH ----------					>< SAT ><		------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	278	277	277	.	1	939	.	128	277	.	1
2	VP	2	550	549	549	.	3	966	.	77	549	.	1
3	VP	3	669	669	669	.	1	982	.	55	669	.	1
4	VP	4	360	359	359	.	1	954	.	65	359	.	1
5	VP	5	503	502	503	1	1	965	.	84	503	.	1
6	VP	6	696	696	695	-1	1	989	.	98	695	.	1
7	VP	7	49	48	48	.	2	981	.	50	48	.	1
8	VP	8	77	76	76	.	2	999	.	94	76	.	1
9	VP	9	87	86	87	1	2	999	.	62	87	.	1
10	VP	10	119	118	118	.	1	996	.	64	118	.	1
11	VP	11	182	181	182	1	1	969	.	84	181	-1	1
12	VP	12	201	200	201	1	1	929	.	43	201	.	1
13	VP	13	204	203	203	.	1	970	.	56	203	.	1
14	VP	14	227	226	226	.	1	999	.	76	226	.	1
15	VP	15	225	224	224	.	1	959	.	53	223	-1	1
16	VP	16	263	262	263	1	1	941	.	96	263	.	1
17	VP	17	301	300	300	.	1	947	.	63	300	.	1
18	VP	18	323	322	323	1	1	938	.	96	323	.	1
19	VP	19	341	340	340	.	1	929	.	83	340	.	1
20	VP	20	362	361	361	.	1	949	.	62	362	1	1
21	VP	21	360	359	360	1	1	993	.	72	359	-1	1
22	VP	22	400	399	399	.	1	925	.	97	399	.	1
23	VP	23	400	399	399	.	1	930	.	117	399	.	1
24	VP	24	417	416	417	1	1	987	.	43	417	.	1
25	VP	25	428	427	427	.	1	948	.	83	428	1	1
26	VP	26	468	467	467	.	1	960	.	63	467	.	1
27	VP	27	476	475	475	.	1	938	.	75	475	.	1
28	VP	28	493	492	492	.	1	923	.	130	492	.	1
29	VP	29	511	510	511	1	1	981	.	129	511	.	1
30	VP	30	514	513	514	1	1	974	.	97	514	.	1
31	VP	31	508	507	507	.	1	974	.	78	507	.	1
32	VP	32	514	513	513	.	1	929	.	75	514	1	1
33	VP	33	546	545	546	1	1	987	.	63	546	.	1
34	VP	34	592	592	592	.	1	928	.	173	592	.	1
35	VP	35	605	605	605	.	1	982	.	43	605	.	1
36	VP	36	652	652	652	.	1	943	.	43	652	.	1
37	VP	37	-661	661	.	.	.	.	.	164	662	.	1
38	VP	38	-662	662	661	-1	1	815	.	83	661	.	1
39	VP	39	701	701	701	.	1	988	.	92	701	.	1
40	VP	40	736	736	736	.	1	967	.	112	736	.	1
41	VP	41	792	792	792	.	1	993	.	106	792	.	1
42	VP	42	908	908	907	-1	1	988	.	104	907	.	1
43	VP	44	914	914	914	.	1	995	.	106	914	.	1
44	VP	45	942	942	942	.	1	999	.	106	942	.	1

Quantitation Report File: IC151209

Data: IC151209.TI
12/09/92 16:03:00
Sample: CLP,1077,,IC151209,L,W,,V,IC15
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	277	9:14	1	1.000	A BB	157456.	10.000	UG/L	1.47
2	77	549	18:18	2	1.000	A BB	384561.	10.000	UG/L	1.47
3	55	669	22:18	3	1.000	A BB	195468.	10.000	UG/L	1.47
4	65	359	11:58	1	1.296	A BB	75182.	7.198	UG/L	1.06
5	84	503	16:46	2	0.916	A VB	446603.	10.161	UG/L	1.49
6	98	695	23:10	3	1.039	A BB	779663.	12.337	UG/L	1.81
7	50	48	1:36	1	0.173	A VB	70814.	6.867	UG/L	1.01
8	94	76	2:32	1	0.274	A VB	33374.	4.653	UG/L	0.68
9	62	87	2:54	1	0.314	A BB	95149.	8.763	UG/L	1.29
10	64	118	3:56	1	0.426	A BB	37044.	6.871	UG/L	1.01
11	84	181	6:02	1	0.653	A BB	189411.	12.256	UG/L	1.80
12	43	201	6:42	1	0.726	A BB	50346.	48.680	UG/L	7.15
13	56	203	6:46	1	0.733	A BB	9680.	42.340	UG/L	6.22
14	76	226	7:32	1	0.816	A BB	694193.	13.136	UG/L	1.93
15	53	223	7:26	1	0.805	A BV	54044.	54.246	UG/L	7.97
16	96	263	8:46	1	0.949	A BB	306888.	12.338	UG/L	1.81
17	63	300	10:00	1	1.083	A BB	457206.	11.325	UG/L	1.66
18	96	323	10:46	1	1.166	A BB	295287.	11.039	UG/L	1.62
19	83	340	11:20	1	1.227	A BB	473197.	10.419	UG/L	1.53
20	62	362	12:04	1	1.307	A BB	145415.	9.078	UG/L	1.33
21	72	359	11:58	2	0.654	A BB	30222.	57.808	UG/L	8.49
22	97	399	13:18	2	0.727	A BB	390220.	11.496	UG/L	1.69
23	117	399	13:18	2	0.727	A BV	75873.	2.665	UG/L	0.39
24	43	417	13:54	2	0.760	A BB	230486.	21.461	UG/L	3.15
25	83	428	14:16	2	0.780	A BB	373021.	11.800	UG/L	1.73
26	63	467	15:34	2	0.851	A BB	294187.	13.023	UG/L	1.91
27	75	475	15:50	2	0.865	A BB	533667.	19.384	UG/L	2.85
28	130	492	16:24	2	0.896	A BB	466395.	13.215	UG/L	1.94
29	129	511	17:02	2	0.931	A BB	343861.	11.630	UG/L	1.71
30	97	514	17:08	2	0.936	A BB	176042.	11.867	UG/L	1.74
31	78	507	16:54	2	0.923	A BB	765913.	13.098	UG/L	1.92
32	75	514	17:08	2	0.936	A BB	86450.	4.306	UG/L	0.63
33	63	546	18:12	2	0.995	A BB	64023.	11.303	UG/L	1.66
34	173	592	19:44	2	1.078	A BB	255947.	13.565	UG/L	1.99
35	43	605	20:10	3	0.904	A BB	159193.	23.345	UG/L	3.43
36	43	652	21:44	3	0.975	A BB	95968.	22.368	UG/L	3.29
37	164	662	22:04	3	0.990	A BB	481426.	15.662	UG/L	2.30
38	83	661	22:02	3	0.988	A BB	162172.	12.006	UG/L	1.76
39	92	701	23:22	3	1.048	A BB	558898.	14.108	UG/L	2.07
40	112	736	24:32	3	1.100	A BB	728257.	13.004	UG/L	1.91
41	106	792	26:24	3	1.184	A BB	389229.	13.065	UG/L	1.92
42	104	907	30:14	3	1.356	A BB	602540.	13.076	UG/L	1.92
43	106	914	30:28	3	1.366	A BB	421506.	13.147	UG/L	1.93
44	106	942	31:24	3	1.408	A BB	393819.	12.739	UG/L	1.87

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:16	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:20	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:20	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:00	1.00	1.295	1.00	7.20	10.00	0.477	0.663	0.72
5	16:48	1.00	0.916	1.00	10.16	10.00	1.161	1.143	1.02
6	23:12	1.00	1.039	1.00	12.34	10.00	3.989	3.233	1.23
7	1:38	0.98	0.176	0.98	6.87	30.00	0.150	0.655	0.23
8	2:34	0.99	0.277	0.99	4.65	30.00	0.071	0.456	0.16
9	2:54	1.00	0.313	1.00	8.76	30.00	0.201	0.690	0.29
10	3:58	0.99	0.428	1.00	6.87	30.00	0.078	0.342	0.23

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:04	0.99	0.655	1.00	12.26	15.00	0.802	0.982	0.82
12	6:42	1.00	0.723	1.00	48.68	75.00	0.043	0.066	0.65
13	6:50	0.99	0.737	0.99	42.34	75.00	0.008	0.015	0.56
14	7:34	1.00	0.817	1.00	13.14	15.00	2.939	3.356	0.88
15	7:28	1.00	0.806	1.00	54.25	75.00	0.046	0.063	0.72
16	8:48	1.00	0.950	1.00	12.34	15.00	1.299	1.580	0.82
17	10:02	1.00	1.083	1.00	11.33	15.00	1.936	2.564	0.76
18	10:48	1.00	1.165	1.00	11.04	15.00	1.250	1.699	0.74
19	11:22	1.00	1.227	1.00	10.42	15.00	2.004	2.884	0.69
20	12:06	1.00	1.306	1.00	9.08	15.00	0.616	1.017	0.61
21	12:00	1.00	0.655	1.00	57.81	75.00	0.010	0.014	0.77
22	13:20	1.00	0.727	1.00	11.50	15.00	0.676	0.883	0.77
23	13:42	0.97	0.747	0.97	2.66	15.00	0.132	0.740	0.18
24	13:56	1.00	0.760	1.00	21.46	30.00	0.200	0.279	0.72
25	14:18	1.00	0.780	1.00	11.80	15.00	0.647	0.822	0.79
26	15:36	1.00	0.851	1.00	13.02	15.00	0.510	0.587	0.87
27	15:52	1.00	0.865	1.00	19.38	24.30	0.571	0.716	0.80
28	16:26	1.00	0.896	1.00	13.21	15.00	0.809	0.918	0.88
29	17:04	1.00	0.931	1.00	11.63	15.00	0.596	0.769	0.78
30	17:10	1.00	0.936	1.00	11.87	15.00	0.305	0.386	0.79
31	16:56	1.00	0.924	1.00	13.10	15.00	1.328	1.521	0.87
32	17:10	1.00	0.936	1.00	4.31	5.70	0.394	0.522	0.76
33	18:14	1.00	0.995	1.00	11.30	15.00	0.111	0.147	0.75
34	19:44	1.00	1.076	1.00	13.56	15.00	0.444	0.491	0.90
35	20:12	1.00	0.904	1.00	23.35	30.00	0.271	0.349	0.78
36	21:44	1.00	0.973	1.00	22.37	30.00	0.164	0.219	0.75
37	22:06	1.00	0.990	1.00	15.66	15.00	1.642	1.573	1.04
38	22:04	1.00	0.988	1.00	12.01	15.00	0.553	0.691	0.80
39	23:22	1.00	1.046	1.00	14.11	15.00	1.906	2.027	0.94
40	24:32	1.00	1.099	1.00	13.00	15.00	2.484	2.865	0.87
41	26:24	1.00	1.182	1.00	13.06	15.00	1.328	1.524	0.87
42	30:12	1.00	1.352	1.00	13.08	15.00	2.055	2.357	0.87
43	30:26	1.00	1.363	1.00	13.15	15.00	1.438	1.640	0.88
44	31:22	1.00	1.404	1.00	12.74	15.00	1.343	1.582	0.85

PROCEDURE: TCA DIAGNOSTIC REPORT 12/09/92 17:46:52
DATA FILE: IC201209
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	4	24	6	6	1	33	VP_IS/VP_SURR
3	3	1	24	12	12	4	60	VP_IS/VP_CMPDS1
3	3	1	24	12	12	1	53	VP_IS/VP_CMPDS2
3	3	1	24	12	12	1	20	VP_IS/VP_CMPDS3
3	3	1	24	14	13	1	56	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 43 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	277	279	279	.	1	948	.	128	279	.	1
2	VP	2	549	550	550	.	4	970	.	77	550	.	1
3	VP	3	669	670	670	.	1	983	.	55	670	.	1
4	VP	4	359	360	360	.	1	946	.	65	360	.	1
5	VP	5	503	504	504	.	1	968	.	84	504	.	1
6	VP	6	695	696	696	.	1	989	.	98	696	.	1
7	VP	7	48	49	49	.	2	984	.	50	49	.	1
8	VP	8	76	77	77	.	2	1000	.	94	77	.	1
9	VP	9	87	88	88	.	1	996	.	62	88	.	1
10	VP	10	118	119	119	.	1	998	.	64	118	-1	1
11	VP	11	182	183	183	.	1	967	.	84	183	.	1
12	VP	12	201	202	201	-1	1	967	.	43	201	.	1
13	VP	13	203	204	203	-1	1	969	.	56	203	.	1
14	VP	14	226	227	227	.	1	1000	.	76	227	.	1
15	VP	15	224	225	224	-1	1	985	.	53	224	.	1
16	VP	16	263	264	264	.	1	948	.	96	264	.	1
17	VP	17	300	301	301	.	1	948	.	63	301	.	1
18	VP	18	323	324	324	.	1	943	.	96	324	.	1
19	VP	19	340	341	341	.	1	934	.	83	341	.	1
20	VP	20	361	362	363	1	1	951	.	62	363	.	1
21	VP	21	360	361	360	-1	1	992	.	72	360	.	1
22	VP	22	399	400	400	.	1	931	.	97	400	.	1
23	VP	23	399	400	400	.	1	940	.	117	400	.	1
24	VP	24	417	418	418	.	1	987	.	43	418	.	1
25	VP	25	427	428	428	.	1	955	.	83	428	.	1
26	VP	26	467	468	468	.	1	962	.	63	468	.	1
27	VP	27	475	476	476	.	1	944	.	75	476	.	1
28	VP	28	492	493	493	.	1	931	.	130	493	.	1
29	VP	29	511	512	512	.	1	980	.	129	512	.	1
30	VP	30	514	515	515	.	1	978	.	97	515	.	1
31	VP	31	507	508	508	.	1	975	.	78	508	.	1
32	VP	32	513	514	514	.	1	932	.	75	515	1	1
33	VP	33	546	547	547	.	1	990	.	63	547	.	1
34	VP	34	592	593	592	-1	1	930	.	173	592	.	1
35	VP	35	605	606	606	.	1	984	.	43	606	.	1
36	VP	36	652	653	652	-1	1	952	.	43	652	.	1
37	VP	37	-661	662	.	.	.	.	.	164	663	.	1
38	VP	38	661	662	662	.	1	805	.	83	662	.	1
39	VP	39	701	702	702	.	1	988	1	92	702	.	1
40	VP	40	736	737	736	-1	1	967	.	112	736	.	1
41	VP	41	792	793	793	.	1	990	1	106	793	.	1
42	VP	42	907	908	908	.	1	988	.	104	907	-1	1
43	VP	44	914	915	915	.	1	999	.	106	915	.	1
44	VP	45	942	943	943	.	1	997	.	106	943	.	1

Quantitation Report File: IC201209

Data: IC201209.TI
12/09/92 16:58:00
Sample: CLP,1077,,IC201209,L,W,,V,IC20
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	279	9:18	1	1.000	A BB	100704.	10.000	UG/L	0.86
2	77	550	18:20	2	1.000	A BB	323907.	10.000	UG/L	0.86
3	55	670	22:20	3	1.000	A BB	173700.	10.000	UG/L	0.86
4	65	360	12:00	1	1.290	A BB	64299.	9.626	UG/L	0.83
5	84	504	16:48	2	0.916	A VB	366249.	9.893	UG/L	0.85
6	98	696	23:12	3	1.039	A BB	646980.	11.521	UG/L	0.99
7	50	49	1:38	1	0.176	A VB	76896.	11.659	UG/L	1.00
8	94	77	2:34	1	0.276	A VB	38062.	8.297	UG/L	0.71
9	62	88	2:56	1	0.315	A BB	83689.	12.051	UG/L	1.04
10	64	118	3:56	1	0.423	A BB	35121.	10.185	UG/L	0.88
11	84	183	6:06	1	0.656	A BB	221192.	22.377	UG/L	1.93
12	43	201	6:42	1	0.720	A BB	60006.	90.718	UG/L	7.81
13	56	203	6:46	1	0.728	A BB	13066.	89.357	UG/L	7.69
14	76	227	7:34	1	0.814	A BB	744572.	22.030	UG/L	1.90
15	53	224	7:28	1	0.803	A BB	59589.	93.519	UG/L	8.05
16	96	264	8:48	1	0.946	A BB	349271.	21.955	UG/L	1.89
17	63	301	10:02	1	1.079	A BB	564734.	21.872	UG/L	1.88
18	96	324	10:48	1	1.161	A BB	375138.	21.927	UG/L	1.89
19	83	341	11:22	1	1.222	A BB	611394.	21.048	UG/L	1.81
20	62	363	12:06	1	1.301	A BB	206300.	20.136	UG/L	1.73
21	72	360	12:00	2	0.655	A BB	40772.	92.593	UG/L	7.97
22	97	400	13:20	2	0.727	A BB	540554.	18.906	UG/L	1.63
23	117	400	13:20	2	0.727	A BV	100923.	4.208	UG/L	0.36
24	43	418	13:56	2	0.760	A BB	371862.	41.108	UG/L	3.54
25	83	428	14:16	2	0.778	A BB	533089.	20.021	UG/L	1.72
26	63	468	15:36	2	0.851	A BB	409589.	21.527	UG/L	1.85
27	75	476	15:52	2	0.865	A BB	787806.	33.972	UG/L	2.92
28	130	493	16:26	2	0.896	A BB	655474.	22.050	UG/L	1.90
29	129	512	17:04	2	0.931	A BB	509502.	20.459	UG/L	1.76
30	97	515	17:10	2	0.936	A BB	256532.	20.531	UG/L	1.77
31	78	508	16:56	2	0.924	A BB	1100110.	22.335	UG/L	1.92
32	75	515	17:10	2	0.936	A BB	131172.	7.756	UG/L	0.67
33	63	547	18:14	2	0.995	A BB	96698.	20.269	UG/L	1.74
34	173	592	19:44	2	1.076	A BB	378929.	23.843	UG/L	2.05
35	43	606	20:12	3	0.904	A BB	244512.	40.350	UG/L	3.47
36	43	652	21:44	3	0.973	A BB	152754.	40.066	UG/L	3.45
37	164	663	22:06	3	0.990	A BB	691920.	25.331	UG/L	2.18
38	83	662	22:04	3	0.988	A BB	247845.	20.649	UG/L	1.78
39	92	702	23:24	3	1.048	A BB	815523.	23.166	UG/L	1.99
40	112	736	24:32	3	1.099	A BB	1109370.	22.292	UG/L	1.92
41	106	793	26:26	3	1.184	A BB	596379.	22.526	UG/L	1.94
42	104	907	30:14	3	1.354	A BB	949276.	23.182	UG/L	1.99
43	106	915	30:30	3	1.366	A BB	666339.	23.387	UG/L	2.01
44	106	943	31:26	3	1.407	A BB	647802.	23.580	UG/L	2.03

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:16	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:20	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:20	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:00	1.00	1.295	1.00	9.63	10.00	0.638	0.663	0.96
5	16:48	1.00	0.916	1.00	9.89	10.00	1.131	1.143	0.99
6	23:12	1.00	1.039	1.00	11.52	10.00	3.725	3.233	1.15
7	1:38	1.00	0.176	1.00	11.66	30.00	0.255	0.655	0.39
8	2:34	1.00	0.277	1.00	8.30	30.00	0.126	0.456	0.28
9	2:54	1.01	0.313	1.01	12.05	30.00	0.277	0.690	0.40
10	3:58	0.99	0.428	0.99	10.19	30.00	0.116	0.342	0.34

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:04	1.01	0.655	1.00	22.38	15.00	1.464	0.982	1.49
12	6:42	1.00	0.723	1.00	90.72	75.00	0.079	0.066	1.21
13	6:50	0.99	0.737	0.99	89.36	75.00	0.017	0.015	1.19
14	7:34	1.00	0.817	1.00	22.03	15.00	4.929	3.356	1.47
15	7:28	1.00	0.806	1.00	93.52	75.00	0.079	0.063	1.25
16	8:48	1.00	0.950	1.00	21.95	15.00	2.312	1.580	1.46
17	10:02	1.00	1.083	1.00	21.87	15.00	3.739	2.564	1.46
18	10:48	1.00	1.165	1.00	21.93	15.00	2.483	1.699	1.46
19	11:22	1.00	1.227	1.00	21.05	15.00	4.047	2.884	1.40
20	12:06	1.00	1.306	1.00	20.14	15.00	1.366	1.017	1.34
21	12:00	1.00	0.655	1.00	92.59	75.00	0.017	0.014	1.23
22	13:20	1.00	0.727	1.00	18.91	15.00	1.113	0.883	1.26
23	13:42	0.97	0.747	0.97	4.21	15.00	0.208	0.740	0.28
24	13:56	1.00	0.760	1.00	41.11	30.00	0.383	0.279	1.37
25	14:18	1.00	0.780	1.00	20.02	15.00	1.097	0.822	1.33
26	15:36	1.00	0.851	1.00	21.53	15.00	0.843	0.587	1.44
27	15:52	1.00	0.865	1.00	33.97	24.30	1.001	0.716	1.40
28	16:26	1.00	0.896	1.00	22.05	15.00	1.349	0.918	1.47
29	17:04	1.00	0.931	1.00	20.46	15.00	1.049	0.769	1.36
30	17:10	1.00	0.936	1.00	20.53	15.00	0.528	0.386	1.37
31	16:56	1.00	0.924	1.00	22.34	15.00	2.264	1.521	1.49
32	17:10	1.00	0.936	1.00	7.76	5.70	0.710	0.522	1.36
33	18:14	1.00	0.995	1.00	20.27	15.00	0.199	0.147	1.35
34	19:44	1.00	1.076	1.00	23.84	15.00	0.780	0.491	1.59
35	20:12	1.00	0.904	1.00	40.35	30.00	0.469	0.349	1.35
36	21:44	1.00	0.973	1.00	40.07	30.00	0.293	0.219	1.34
37	22:06	1.00	0.990	1.00	25.33	15.00	2.656	1.573	1.69
38	22:04	1.00	0.988	1.00	20.65	15.00	0.951	0.691	1.38
39	23:22	1.00	1.046	1.00	23.17	15.00	3.130	2.027	1.54
40	24:32	1.00	1.099	1.00	22.29	15.00	4.258	2.865	1.49
41	26:24	1.00	1.182	1.00	22.53	15.00	2.289	1.524	1.50
42	30:12	1.00	1.352	1.00	23.18	15.00	3.643	2.357	1.55
43	30:26	1.00	1.363	1.00	23.39	15.00	2.557	1.640	1.56
44	31:22	1.00	1.404	1.00	23.58	15.00	2.486	1.582	1.57

PROCEDURE: TCA DIAGNOSTIC REPORT 12/09/92 18:41:53
DATA FILE: IC251209
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	3	80	6	6	1	56	VP_IS/VP_SURR
3	3	1	80	12	12	8	38	VP_IS/VP_CMPDS1
3	3	1	80	12	12	1	47	VP_IS/VP_CMPDS2
3	3	1	80	12	12	1	54	VP_IS/VP_CMPDS3
3	3	1	80	14	12	1	50	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 42 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	279	278	278	.	1	950	.	128	278	.	1
2	VP	2	550	549	550	1	3	976	.	77	550	.	1
3	VP	3	670	669	669	.	1	979	.	55	670	1	1
4	VP	4	360	359	360	1	1	924	.	65	360	.	1
5	VP	5	504	503	503	.	1	972	.	84	503	.	1
6	VP	6	696	695	695	.	1	991	.	98	695	.	1
7	VP	7	49	48	48	.	2	984	.	50	48	.	1
8	VP	8	77	76	76	.	2	1000	.	94	76	.	1
9	VP	9	88	87	87	.	2	998	.	62	87	.	1
10	VP	10	119	118	118	.	1	1000	.	64	118	.	1
11	VP	11	183	182	182	.	1	970	.	84	182	.	1
12	VP	12	201	200	200	.	1	975	.	43	200	.	1
13	VP	13	203	202	203	1	1	974	.	56	203	.	1
14	VP	14	227	226	226	.	1	997	.	76	226	.	1
15	VP	15	224	223	223	.	1	988	.	53	223	.	1
16	VP	16	264	263	263	.	1	946	.	96	263	.	1
17	VP	17	301	300	301	1	1	951	.	63	301	.	1
18	VP	18	324	323	323	.	1	943	.	96	323	.	1
19	VP	19	341	340	340	.	1	938	.	83	340	.	1
20	VP	20	363	362	362	.	1	952	.	62	362	.	1
21	VP	21	360	359	360	1	1	997	.	72	360	.	1
22	VP	22	400	399	399	.	1	929	.	97	399	.	1
23	VP	23	400	399	399	.	1	947	.	117	399	.	1
24	VP	24	418	417	417	.	1	988	.	43	417	.	1
25	VP	25	428	428	428	.	1	958	.	83	428	.	1
26	VP	26	468	468	468	.	1	965	.	63	468	.	1
27	VP	27	476	476	476	.	1	949	.	75	476	.	1
28	VP	28	493	493	493	.	1	933	.	130	492	-1	1
29	VP	29	512	511	511	.	1	981	.	129	511	.	1
30	VP	30	515	514	514	.	1	976	.	97	514	.	1
31	VP	31	508	507	508	1	1	980	-1	78	508	.	1
32	VP	32	514	513	513	.	1	929	.	75	514	1	1
33	VP	33	547	546	546	.	1	987	.	63	546	.	1
34	VP	34	592	591	592	1	1	930	.	173	592	.	1
35	VP	35	606	605	605	.	1	987	.	43	605	.	1
36	VP	36	652	651	652	1	1	960	.	43	652	.	1
37	VP	37	-662	661	.	.	.	.	.	164	662	.	1
38	VP	38	662	661	.	.	.	.	.	83	661	.	1
39	VP	39	702	701	701	.	1	989	1	92	701	.	1
40	VP	40	736	735	736	1	1	972	-1	112	735	-1	1
41	VP	41	793	792	792	.	1	987	1	106	792	.	1
42	VP	42	908	907	907	.	1	989	.	104	906	-1	1
43	VP	44	915	914	914	.	1	998	.	106	914	.	1
44	VP	45	943	942	942	.	1	995	.	106	942	.	1

Quantitation Report File: IC251209

Data: IC251209.TI
12/09/92 17:53:00
Sample: CLP,1077,,IC251209,L,W,,V,IC25
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	278	9:16	1	1.000	A BB	113235.	10.000	UG/L	0.76
2	77	550	18:20	2	1.000	A BB	352477.	10.000	UG/L	0.76
3	55	670	22:20	3	1.000	A BB	200659.	10.000	UG/L	0.76
4	65	360	12:00	1	1.295	A BB	74811.	9.960	UG/L	0.76
5	84	503	16:46	2	0.915	A VB	413856.	10.273	UG/L	0.78
6	98	695	23:10	3	1.037	A BB	745688.	11.495	UG/L	0.87
7	50	48	1:36	1	0.173	A VB	80848.	10.902	UG/L	0.83
8	94	76	2:32	1	0.273	A VB	41757.	8.095	UG/L	0.62
9	62	87	2:54	1	0.313	A BB	87870.	11.253	UG/L	0.86
10	64	118	3:56	1	0.424	A BB	41012.	10.577	UG/L	0.81
11	84	182	6:04	1	0.655	A BB	254372.	22.886	UG/L	1.74
12	43	200	6:40	1	0.719	A BB	80538.	108.284	UG/L	8.24
13	56	203	6:46	1	0.730	A BB	17170.	104.432	UG/L	7.95
14	76	226	7:32	1	0.813	A BB	912548.	24.012	UG/L	1.83
15	53	223	7:26	1	0.802	A BB	79532.	111.003	UG/L	8.45
16	96	263	8:46	1	0.946	A BB	420300.	23.496	UG/L	1.79
17	63	301	10:02	1	1.083	A BB	705988.	24.317	UG/L	1.85
18	96	323	10:46	1	1.162	A BB	478690.	24.883	UG/L	1.89
19	83	340	11:20	1	1.223	A BB	786200.	24.071	UG/L	1.83
20	62	362	12:04	1	1.302	A BB	269837.	23.423	UG/L	1.78
21	72	360	12:00	2	0.655	A BB	50267.	104.902	UG/L	7.99
22	97	399	13:18	2	0.725	A BB	690327.	22.187	UG/L	1.69
23	117	399	13:18	2	0.725	A BV	122290.	4.686	UG/L	0.36
24	43	417	13:54	2	0.758	A BB	450551.	45.770	UG/L	3.48
25	83	428	14:16	2	0.778	A BB	673238.	23.235	UG/L	1.77
26	63	468	15:36	2	0.851	A BB	521272.	25.176	UG/L	1.92
27	75	476	15:52	2	0.865	A BB	984335.	39.007	UG/L	2.97
28	130	492	16:24	2	0.895	A BB	822174.	25.416	UG/L	1.93
29	129	511	17:02	2	0.929	A BB	638158.	23.548	UG/L	1.79
30	97	514	17:08	2	0.935	A BB	319642.	23.509	UG/L	1.79
31	78	508	16:56	2	0.924	A BB	1378260.	25.714	UG/L	1.96
32	75	514	17:08	2	0.935	A BB	169743.	9.224	UG/L	0.70
33	63	546	18:12	2	0.993	A BB	125533.	24.180	UG/L	1.84
34	173	592	19:44	2	1.076	A BB	496559.	28.712	UG/L	2.19
35	43	605	20:10	3	0.903	A BB	321452.	45.920	UG/L	3.50
36	43	652	21:44	3	0.973	A BB	199905.	45.389	UG/L	3.46
37	164	662	22:04	3	0.988	A BB	881218.	27.927	UG/L	2.13
38	83	661	22:02	3	0.987	A BB	307706.	22.192	UG/L	1.69
39	92	701	23:22	3	1.046	A BB	1043840.	25.668	UG/L	1.95
40	112	735	24:30	3	1.097	A BB	1421120.	24.719	UG/L	1.88
41	106	792	26:24	3	1.182	A BB	759889.	24.846	UG/L	1.89
42	104	906	30:12	3	1.352	A BB	1217180.	25.731	UG/L	1.96
43	106	914	30:28	3	1.364	A BB	869953.	26.431	UG/L	2.01
44	106	942	31:24	3	1.406	A BB	833176.	26.253	UG/L	2.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:16	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:20	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:20	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:00	1.00	1.295	1.00	9.96	10.00	0.661	0.663	1.00
5	16:48	1.00	0.916	1.00	10.27	10.00	1.174	1.143	1.03
6	23:12	1.00	1.039	1.00	11.49	10.00	3.716	3.233	1.15
7	1:38	0.98	0.176	0.98	10.90	30.00	0.238	0.655	0.36
8	2:34	0.99	0.277	0.99	8.10	30.00	0.123	0.456	0.27
9	2:54	1.00	0.313	1.00	11.25	30.00	0.259	0.690	0.38
10	3:58	0.99	0.428	0.99	10.58	30.00	0.121	0.342	0.35

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
11	6:04	1.00	0.655	1.00	22.89	15.00	1.498	0.982	1.53
12	6:42	1.00	0.723	1.00	108.28	75.00	0.095	0.066	1.44
13	6:50	0.99	0.737	0.99	104.43	75.00	0.020	0.015	1.39
14	7:34	1.00	0.817	1.00	24.01	15.00	5.373	3.356	1.60
15	7:28	1.00	0.806	1.00	111.00	75.00	0.094	0.063	1.48
16	8:48	1.00	0.950	1.00	23.50	15.00	2.475	1.580	1.57
17	10:02	1.00	1.083	1.00	24.32	15.00	4.156	2.564	1.62
18	10:48	1.00	1.165	1.00	24.88	15.00	2.818	1.699	1.66
19	11:22	1.00	1.227	1.00	24.07	15.00	4.629	2.884	1.60
20	12:06	1.00	1.306	1.00	23.42	15.00	1.589	1.017	1.56
21	12:00	1.00	0.655	1.00	104.90	75.00	0.019	0.014	1.40
22	13:20	1.00	0.727	1.00	22.19	15.00	1.306	0.883	1.48
23	13:42	0.97	0.747	0.97	4.69	15.00	0.231	0.740	0.31
24	13:56	1.00	0.760	1.00	45.77	30.00	0.426	0.279	1.53
25	14:18	1.00	0.780	1.00	23.23	15.00	1.273	0.822	1.55
26	15:36	1.00	0.851	1.00	25.18	15.00	0.986	0.587	1.68
27	15:52	1.00	0.865	1.00	39.01	24.30	1.149	0.716	1.61
28	16:26	1.00	0.896	1.00	25.42	15.00	1.555	0.918	1.69
29	17:04	1.00	0.931	1.00	23.55	15.00	1.207	0.769	1.57
30	17:10	1.00	0.936	1.00	23.51	15.00	0.605	0.386	1.57
31	16:56	1.00	0.924	1.00	25.71	15.00	2.607	1.521	1.71
32	17:10	1.00	0.936	1.00	9.22	5.70	0.845	0.522	1.62
33	18:14	1.00	0.995	1.00	24.18	15.00	0.237	0.147	1.61
34	19:44	1.00	1.076	1.00	28.71	15.00	0.939	0.491	1.91
35	20:12	1.00	0.904	1.00	45.92	30.00	0.534	0.349	1.53
36	21:44	1.00	0.973	1.00	45.39	30.00	0.332	0.219	1.51
37	22:06	1.00	0.990	1.00	27.93	15.00	2.928	1.573	1.86
38	22:04	1.00	0.988	1.00	22.19	15.00	1.022	0.691	1.48
39	23:22	1.00	1.046	1.00	25.67	15.00	3.468	2.027	1.71
40	24:32	1.00	1.099	1.00	24.72	15.00	4.722	2.865	1.65
41	26:24	1.00	1.182	1.00	24.85	15.00	2.525	1.524	1.66
42	30:12	1.00	1.352	1.00	25.73	15.00	4.044	2.357	1.72
43	30:26	1.00	1.363	1.00	26.43	15.00	2.890	1.640	1.76
44	31:22	1.00	1.404	1.00	26.25	15.00	2.768	1.582	1.75

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Instrument ID: HP MS Calibration Date: 12/09/92 Time: 11:18

Lab File ID: >AG016 Init. Calib. Date(s): 12/08/92 --/--/--

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = ~~25.0%~~ 30% ag 1/13/93

COMPOUND		$\overline{RRF}$	RRF50	%D	
Dichlorodifluoromethane		.181	.147	18.7	
Chloromethane	#	.245	.224	8.5	#
Vinyl chloride	*	.231	.213	7.7	*
Bromomethane		.110	.099	9.6	
Chloroethane		.063	.059	7.3	
Trichlorofluoromethane		.288	.201	30.1	
Acrolein		.016	.018	9.0	
1,1-Dichloroethene	*	.218	.228	4.4	*
Acetone		.241	.266	10.4	
Carbon disulfide		.673	.776	15.3	
Methylene chloride		.114	.125	10.3	
trans-1,2-Dichloroethene		.214	.220	2.7	
Acrylonitrile		.093	.099	6.1	
1,1-Dichloroethane	#	.441	.472	7.0	#
Vinyl acetate		.257	.394	53.0	-
2,2-Dichloropropane		.352	.411	16.7	
cis-1,2-Dichloroethene		.270	.317	17.5	
2-Butanone		.269	.289	7.5	
Bromochloromethane		.134	.155	16.3	
Chloroform	*	.477	.557	16.6	*
1,1,1-trichloroethane		.337	.392	16.3	
Carbon tetrachloride		.255	.305	19.6	
1,1-Dichloropropene		.350	.398	13.5	
Benzene		.904	1.090	20.6	
1,2-Dichloroethane	*	.394	.469	19.0	*
Trichloroethene		.339	.341	.6	
1,2-Dichloropropane		.339	.389	14.8	
Dibromomethane		.211	.231	9.4	
Bromodichloromethane		.376	.435	15.7	
cis-1,3-dichloropropene		.220	.256	16.6	
Toluene	*	.571	.650	13.8	*
4-Methyl-2-pentanone		.410	.467	13.8	
trans-1,3-Dichloropropene		.157	.186	18.7	
Tetrachloroethene		.273	.295	8.0	
1,1,2-Trichloroethane		.023	.024	4.9	
1,3-Dichloropropane		.440	.503	14.2	
2-Hexanone		.357	.367	2.8	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Instrument ID: HP MS Calibration Date: 12/09/92 Time: 11:18

Lab File ID: >AG016 Init. Calib. Date(s):12/08/92 --/--/--

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = ~~25.0%~~ 30%

ag 1/13/93

COMPOUND		$\overline{RRF}$	RRF50	%D	
Dibromochloromethane		.256	.299	17.1	
1,2-Dibromoethane		.256	.306	19.3	
Chlorobenzene	#	.895	.975	8.9	#
1,1,1,2-Tetrachloroethane		.289	.337	16.3	
Ethylbenzene	*	1.488	1.655	11.2	*
m &/or p-Xylene		.502	.569	13.4	
o-Xylene		.516	.573	11.0	
Styrene		.697	.790	13.3	
Bromoform	#	.234	.267	13.9	#
Isopropylbenzene		1.388	1.552	11.8	
Bromobenzene		.384	.405	5.6	
1,2,3-Trichloropropane		.353	.409	16.1	
1,1,2,2-Tetrachloroethane		.357	.509	42.8	
n-Propylbenzene		.343	.373	8.9	
2-Chlorotoluene		.334	.354	5.9	
4-Chlorotoluene		.322	.359	11.6	
1,3,5-Trimethylbenzene		1.060	1.224	15.5	
tert-Butylbenzene		.914	.998	9.2	
1,2,4-Trimethylbenzene		1.063	1.243	16.9	
sec-Butylbenzene		1.497	1.667	11.3	
1,3-Dichlorobenzene		.661	.724	9.7	
1,4-Dichlorobenzene		.523	.578	10.6	
p-Isopropyltoluene		1.078	1.217	12.9	
1,2-Dichlorobenzene		.631	.696	10.3	
n-Butylbenzene		1.226	1.384	12.9	
1,2-Dibromo-3-chloropropane		.064	.085	32.8	
1,2,4-Trichlorobenzene		.381	.417	9.7	
Naphthalene		.612	.722	18.0	
Hexachlorobutadiene		.336	.357	6.2	
1,2,3-Trichlorobenzene		.354	.388	9.4	
Benzene-d6		.980	1.094	11.6	
p-Bromofluorobenzene		.439	.435	.8	
1,2-Dichlorobenzene-d4		.455	.450	1.2	

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 930106 10:12

Check Standard Data File: >AG016
Injection Time: 921209 11:18

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
Dichlorodifluoromethane	.18084	.14696	18.73	Average	
Chloromethane	.24488	.22413	8.47	Average	
Vinyl chloride	.23098	.21319	7.70	Average	
Bromomethane	.10973	.09915	9.63	Average	
Chloroethane	.06317	.05857	7.28	Average	
Trichlorofluoromethane	.28765	.20091	30.15	Average	
Acrolein	.01637	.01787	9.11	Average	(Conc=250.00)
1,1-Dichloroethene	.21837	.22792	4.37	Average	
Acetone	.24086	.26588	10.39	Average	(Conc=250.00)
Carbon disulfide	.67300	.77596	15.30	Average	
Methylene chloride	.11356	.12529	10.32	Average	
trans-1,2-Dichloroethene	.21432	.22005	2.67	Average	
Acrylonitrile	.09330	.09896	6.07	Average	(Conc=250.00)
1,1-Dichloroethane	.44078	.47187	7.05	Average	
Vinyl acetate	.25744	.39392	53.01	Average	(Conc=100.00)
2,2-Dichloropropane	.35191	.41058	16.67	Average	
cis-1,2-Dichloroethene	.26994	.31704	17.45	Average	
2-Butanone	.26863	.28864	7.45	Average	(Conc=250.00)
Bromochloromethane	.13360	.15532	16.26	Average	
Chloroform	.47735	.55664	16.61	Average	
1,1,1-Trichloroethane	.33736	.39249	16.34	Average	
Carbon tetrachloride	.25472	.30456	19.56	Average	
1,1-Dichloropropene	.35043	.39774	13.50	Average	
BENZENE-D6	.98031	1.09362	11.56	Average	(Conc=10.00)
Benzene	.90379	1.08997	20.60	Average	
1,2-Dichloroethane	.39432	.46940	19.04	Average	
Trichloroethene	.33903	.34118	.64	Average	
1,2-Dichloropropane	.33922	.38929	14.76	Average	
Dibromomethane	.21127	.23124	9.45	Average	
2-Chloroethyl vinylether	-	-	-	Average	
Bromodichloromethane	.37568	.43467	15.70	Average	
cis-1,3-Dichloropropene	.43592	.50841	16.63	Average	(Conc=25.20)
Toluene	.57094	.64977	13.81	Average	
4-Methyl-2-pentanone	.41026	.46681	13.78	Average	(Conc=100.00)
trans-1,3-Dichloropropene	.35179	.41775	18.75	Average	(Conc=22.30)
Tetrachloroethene	.27284	.29462	7.98	Average	
1,1,2-Trichloroethane	.02264	.02370	4.71	Average	
1,3-Dichloropropane	.44040	.50297	14.21	Average	
2-Hexanone	.35738	.36746	2.82	Average	(Conc=100.00)
Dibromochloromethane	.25554	.29915	17.06	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 930106 10:12

Check Standard Data File: >AG016
Injection Time: 921209 11:18

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
1,2-Dibromoethane	.25633	.30568	19.25	Average	
Chlorobenzene	.89531	.97538	8.94	Average	
1,1,1,2-Tetrachloroethane	.28949	.33673	16.32	Average	
Ethylbenzene	1.48838	1.65469	11.17	Average	
m &/or p-Xylene	.50212	.56928	13.38	Average	(Conc=100.00)
o-Xylene	.51651	.57317	10.97	Average	
Styrene	.69721	.78977	13.28	Average	
Bromoform	.23430	.26683	13.88	Average	
Isopropylbenzene	1.38806	1.55196	11.81	Average	
p-BROMOFLUOROBENZENE	.43872	.43518	.81	Average	(Conc=10.00)
Bromobenzene	.38382	.40517	5.56	Average	
1,2,3-Trichloropropane	.35272	.40933	16.05	Average	
1,1,2,2-Tetrachloroethane	.35675	.50946	42.81	Average	
n-Propylbenzene	.34304	.37338	8.84	Average	
2-Chlorotoluene	.33432	.35401	5.89	Average	
4-Chlorotoluene	.32158	.35897	11.63	Average	
1,3,5-Trimethylbenzene	1.06025	1.22432	15.47	Average	
tert-Butylbenzene	.91363	.99784	9.22	Average	
1,2,4-Trimethylbenzene	1.06327	1.24334	16.94	Average	
sec-Butylbenzene	1.49704	1.66654	11.32	Average	
1,3-Dichlorobenzene	.66067	.72448	9.66	Average	
1,4-Dichlorobenzene	.52248	.57792	10.61	Average	
p-Isopropyltoluene	1.07805	1.21713	12.90	Average	
1,2-DICHLOROBENZENE-D4	.45522	.44995	1.16	Average	(Conc=10.00)
1,2-Dichlorobenzene	.63142	.69635	10.28	Average	
n-Butylbenzene	1.22635	1.38438	12.89	Average	
1,2-Dibromo-3-chloropropane	.06386	.08485	32.87	Average	
1,2,4-Trichlorobenzene	.38059	.41747	9.69	Average	
Naphthalene	.61186	.72221	18.04	Average	
Hexachlorobutadiene	.33641	.35727	6.20	Average	
1,2,3-Trichlorobenzene	.35447	.38793	9.44	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 921209 09:43

Check Standard Data File: >AG016
Injection Time: 921209 11:18

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
Dichlorodifluoromethane	.18084	.14696	18.73	Average	
Chloromethane	.24488	.22413	8.47	Average	
Vinyl chloride	.23098	.21319	7.70	Average	
Bromomethane	.10973	.09915	9.63	Average	
Chloroethane	.06317	.05857	7.28	Average	
Trichlorofluoromethane	.28765	.20091	30.15	Average	
Acrolein	.01637	.01787	9.11	Average	(Conc=250.00)
1,1-Dichloroethene	.21837	.22792	4.37	Average	
Acetone	.24086	.26588	10.39	Average	(Conc=250.00)
Carbon disulfide	.67300	.77596	15.30	Average	
Methylene chloride	.11356	.12529	10.32	Average	
trans-1,2-Dichloroethene	.21432	.22005	2.67	Average	
Acrylonitrile	.09330	.09896	6.07	Average	(Conc=250.00)
1,1-Dichloroethane	.44078	.47187	7.05	Average	
Vinyl acetate	.25744	.39392	53.01	Average	(Conc=100.00)
2,2-Dichloropropane	.35191	.41058	16.67	Average	
cis-1,2-Dichloroethene	.26994	.31704	17.45	Average	
2-Butanone	.26863	.28864	7.45	Average	(Conc=250.00)
Bromochloromethane	.13360	.15532	16.26	Average	
Chloroform	.47735	.55664	16.61	Average	
1,1,1-Trichloroethane	.33736	.39249	16.34	Average	
Carbon tetrachloride	.25472	.30456	19.56	Average	
1,1-Dichloropropene	.35043	.39774	13.50	Average	
BENZENE-D6	.98031	1.09362	11.56	Average	(Conc=10.00)
Benzene	.90379	1.08997	20.60	Average	
1,2-Dichloroethane	.39432	.46940	19.04	Average	
Trichloroethene	.33903	.34118	.64	Average	
1,2-Dichloropropane	.33922	.38929	14.76	Average	
Dibromomethane	.21127	.23124	9.45	Average	
Bromodichloromethane	.37568	.43467	15.70	Average	
cis-1,3-Dichloropropene	.21970	.25624	16.63	Average	
Toluene	.57094	.64977	13.81	Average	
4-Methyl-2-pentanone	.41026	.46681	13.78	Average	(Conc=100.00)
trans-1,3-Dichloropropene	.15690	.18631	18.75	Average	
Tetrachloroethene	.27284	.29462	7.98	Average	
1,1,2-Trichloroethane	.02264	.02370	4.71	Average	
1,3-Dichloropropane	.44040	.50297	14.21	Average	
2-Hexanone	.35738	.36746	2.82	Average	(Conc=100.00)
Dibromochloromethane	.25554	.29915	17.06	Average	
1,2-Dibromoethane	.25633	.30568	19.25	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 921209 09:43

Check Standard Data File: >AG016
Injection Time: 921209 11:18

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
Chlorobenzene	.89531	.97538	8.94	Average	
1,1,1,2-Tetrachloroethane	.28949	.33673	16.32	Average	
Ethylbenzene	1.48838	1.65469	11.17	Average	
m &/or p-Xylene	.50212	.56928	13.38	Average	(Conc=100.00)
o-Xylene	.51651	.57317	10.97	Average	
Styrene	.69721	.78977	13.28	Average	
Bromoform	.23430	.26683	13.88	Average	
Isopropylbenzene	1.38806	1.55196	11.81	Average	
p-BROMOFLUOROBENZENE	.43872	.43518	.81	Average	(Conc=10.00)
Bromobenzene	.38382	.40517	5.56	Average	
1,2,3-Trichloropropane	.35272	.40933	16.05	Average	
1,1,2,2-Tetrachloroethane	.35675	.50946	42.81	Average	
n-Propylbenzene	.34304	.37338	8.84	Average	
2-Chlorotoluene	.33432	.35401	5.89	Average	
4-Chlorotoluene	.32158	.35897	11.63	Average	
1,3,5-Trimethylbenzene	1.06025	1.22432	15.47	Average	
tert-Butylbenzene	.91363	.99784	9.22	Average	
1,2,4-Trimethylbenzene	1.06327	1.24334	16.94	Average	
sec-Butylbenzene	1.49704	1.66654	11.32	Average	
1,3-Dichlorobenzene	.66067	.72448	9.66	Average	
1,4-Dichlorobenzene	.52248	.57792	10.61	Average	
p-Isopropyltoluene	1.07805	1.21713	12.90	Average	
1,2-DICHLOROBENZENE-D4	.45522	.44995	1.16	Average	(Conc=10.00)
1,2-Dichlorobenzene	.63142	.69635	10.28	Average	
n-Butylbenzene	1.22635	1.38438	12.89	Average	
1,2-Dibromo-3-chloropropane	.06386	.08485	32.87	Average	
1,2,4-Trichlorobenzene	.38059	.41747	9.69	Average	
Naphthalene	.61186	.72221	18.04	Average	
Hexachlorobutadiene	.33641	.35727	6.20	Average	
1,2,3-Trichlorobenzene	.35447	.38793	9.44	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

QUANT REPORT

Operator ID: KELLY Quant Rev: 7 Quant Time: 921209 11:57
Output File: ^AG016::D3 Injected at: 921209 11:18
Data File: >AG016::D6 Dilution Factor: 1.00000
Name: 50 PPB CONT. CAL STD Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 5mL PURGE

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 10:38

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.14	96.0	27920	10.00	UG/L	99
2)	Dichlorodifluoromethane	2.50	85.0	20516	39.05	UG/L	96
3)	Chloromethane	2.88	50.0	31289	43.36	UG/L	94
4)	Vinyl chloride	3.16	62.0	29761	42.01	UG/L	99
5)	Bromomethane	3.95	94.0	13842	43.07	UG/L	97
6)	Chloroethane	4.28	64.0	8176	41.96	UG/L	97
7)	Trichlorofluoromethane	4.94	101.0	28047	43.64	UG/L	92
8)	Acrolein	6.39	56.0	12470	234.11	UG/L	95
9)	1,1-Dichloroethene	6.43	96.0	31817	50.09	UG/L	96
10)	Acetone	6.92	43.0	185583	231.56	UG/L	98
11)	Carbon disulfide	6.74	76.0	108324	49.27	UG/L	97
12)	Methylene chloride	7.92	84.0	17490	48.22	UG/L	91
13)	trans-1,2-Dichloroethene	8.51	96.0	30719	47.95	UG/L	95
14)	Acrylonitrile	8.67	53.0	69076	224.14	UG/L	91
15)	1,1-Dichloroethane	9.52	63.0	65873	49.61	UG/L	98
16)	Vinyl acetate	9.86	43.0	109982	102.76	UG/L	100
17)	2,2-Dichloropropane	10.23	77.0	52317	48.70	UG/L	96
18)	cis-1,2-Dichloroethene	10.81	96.0	44259	48.32	UG/L	96
19)	2-Butanone	11.02	43.0	201471	230.78	UG/L	68
20)	Bromochloromethane	11.30	128.0	21683	48.04	UG/L	97
21)	Chloroform	11.58	83.0	77707	48.41	UG/L	94
22)	1,1,1-Trichloroethane	11.74	97.0	54792	48.71	UG/L	96
23)	Carbon tetrachloride	12.04	117.0	42516	47.92	UG/L	96
24)	1,1-Dichloropropene	12.10	75.0	55524	47.41	UG/L	98
25)	BENZENE-D6	12.43	84.0	30534	9.98	UG/L	95
26)	Benzene	12.51	78.0	152160	48.33	UG/L	98
27)	1,2-Dichloroethane	12.65	62.0	65528	48.70	UG/L	96
28)	*TOLUENE-D8	16.27	98.0	25019	10.00	UG/L	93
29)	Trichloroethene	13.86	95.0	42680	50.09	UG/L	84
30)	1,2-Dichloropropane	14.30	63.0	48698	50.88	UG/L	97
31)	Dibromomethane	14.54	174.0	28927	48.45	UG/L	98
33)	Bromodichloromethane	14.94	83.0	54375	49.60	UG/L	98
34)	cis-1,3-Dichloropropene	15.83	75.0	32054	24.50	UG/L	95
35)	Toluene	16.40	92.0	81283	49.29	UG/L	94
36)	4-Methyl-2-pentanone	16.20	43.0	116791	92.93	UG/L	86
37)	trans-1,3-Dichloropropene	16.99	75.0	23307	21.92	UG/L	98
38)	Tetrachloroethene	17.46	166.0	36856	48.29	UG/L	94
39)	1,1,2-Trichloroethane	17.32	132.0	2965	46.78	UG/L	94
40)	1,3-Dichloropropane	17.63	76.0	62919	48.35	UG/L	99
41)	2-Hexanone	17.91	43.0	91936	86.35	UG/L	84

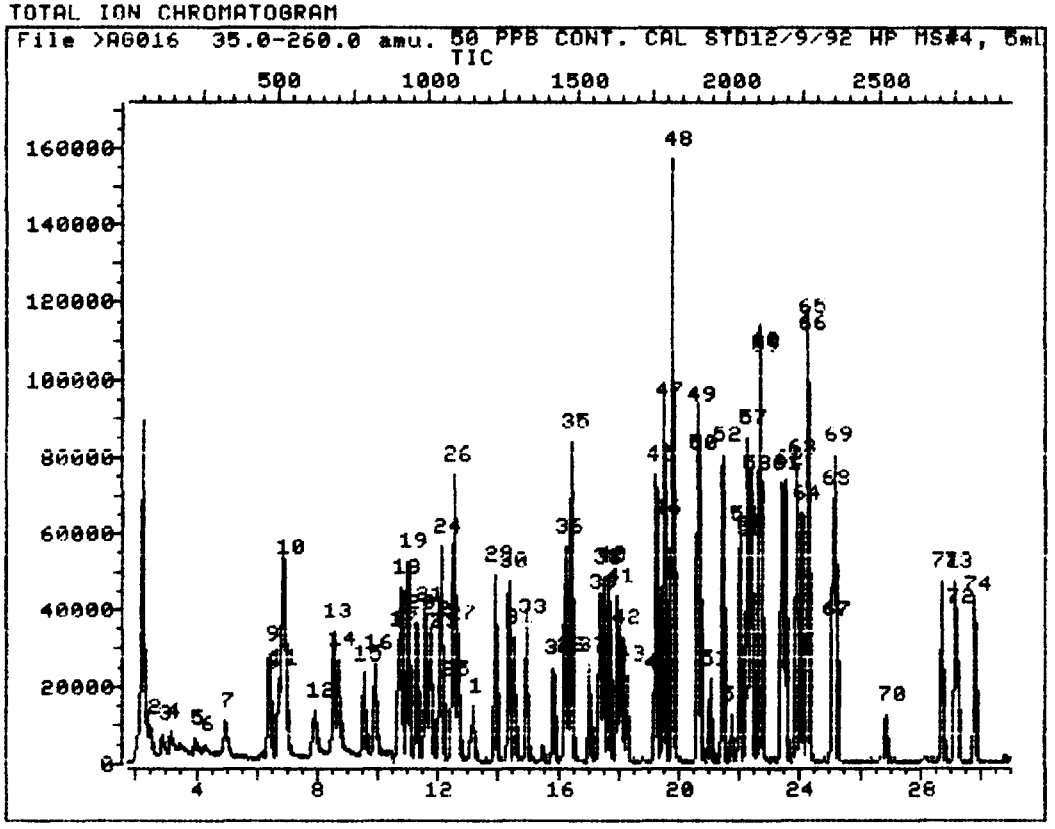
Operator ID: KELLY Quant Rev: 7 Quant Time: 921209 11:57
Output File: ^AG016::D3 Injected at: 921209 11:18
Data File: >AG016::D6 Dilution Factor: 1.00000
Name: 50 PPB CONT. CAL STD Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 5mL PURGE

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 10:38

	Compound	R.T.	Q ion	Area	Conc	Units	q
42)	Dibromochloromethane	18.07	129.0	37422	48.76	UG/L	98
43)	1,2-Dibromoethane	18.22	107.0	38239	50.77	UG/L	99
44)	*CHLOROBENZENE-D5	19.18	117.0	17873	10.00	UG/L	94
45)	Chlorobenzene	19.24	112.0	87165	47.84	UG/L	91
46)	1,1,1,2-Tetrachloroethane	19.47	131.0	30092	46.45	UG/L	98
47)	Ethylbenzene	19.52	91.0	147871	47.87	UG/L	93
48)	m &/or p-Xylene	19.78	106.0	101747	96.92	UG/L	79
49)	o-Xylene	20.60	106.0	51221	47.53	UG/L	92
50)	Styrene	20.65	104.0	70578	48.34	UG/L	90
51)	Bromoform	21.00	173.0	23845	46.28	UG/L	97
52)	Isopropylbenzene	21.41	105.0	138691	47.81	UG/L	93
53)	p-BROMOFLUOROBENZENE	21.72	174.0	7778	10.03	UG/L	95
54)	Bromobenzene	21.97	156.0	36208	47.32	UG/L	97
55)	1,2,3-Trichloropropane	22.21	75.0	36580	47.15	UG/L	84
56)	1,1,2,2-Tetrachloroethane	22.19	83.0	45528	47.12	UG/L	97
57)	n-Propylbenzene	22.31	120.0	33367	47.45	UG/L	98
58)	2-Chlorotoluene	22.42	126.0	31636	47.37	UG/L	90
59)	4-Chlorotoluene	22.68	126.0	32079	48.56	UG/L	86
60)	1,3,5-Trimethylbenzene	22.72	105.0	109411	49.62	UG/L	84
61)	tert-Butylbenzene	23.39	119.0	89172	47.07	UG/L	83
62)	1,2,4-Trimethylbenzene	23.51	105.0	111111	49.90	UG/L	87
63)	sec-Butylbenzene	23.88	105.0	148930	48.62	UG/L	90
64)	1,3-Dichlorobenzene	24.05	146.0	64743	49.54	UG/L	92
65)	1,4-Dichlorobenzene	24.26	146.0	51646	49.13	UG/L	95
66)	p-Isopropyltoluene	24.24	119.0	108769	48.49	UG/L	88
67)	1,2-DICHLOROBENZENE-D4	25.02	152.0	8042	10.25	UG/L	91
68)	1,2-Dichlorobenzene	25.06	146.0	62229	49.89	UG/L	94
69)	n-Butylbenzene	25.15	91.0	123715	49.28	UG/L	87
70)	1,2-Dibromo-3-chloropropane	26.86	157.0	7583	45.15	UG/L	91
71)	1,2,4-Trichlorobenzene	28.68	180.0	37307	50.88	UG/L	96
72)	Naphthalene	29.20	128.0	64540	49.15	UG/L	100
73)	Hexachlorobutadiene	29.12	225.0	31927	48.55	UG/L	95
74)	1,2,3-Trichlorobenzene	29.75	180.0	34667	50.97	UG/L	97

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG016::D6 Quant Output File: ^AG016::D3
Name: 50 PPB CONT. CAL STD Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 5mL PURGE

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 10:38

Operator ID: KELLY
Quant Time : 921209 11:57
Injected at: 921209 11:18

QUANT REPORT

Operator ID: KELLY Quant Rev: 7 Quant Time: 921209 11:57
Output File: ^AG016::D3 Injected at: 921209 11:18
Data File: >AG016::D6 Dilution Factor: 1.00000
Name: 50 PPB CONT. CAL STD Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 5mL PURGE

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 10:38

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.14	96.0	27920	10.00	UG/L	99
2)	Dichlorodifluoromethane	2.50	85.0	20516	39.05	UG/L	96
3)	Chloromethane	2.88	50.0	31289	43.36	UG/L	94
4)	Vinyl chloride	3.16	62.0	29761	42.01	UG/L	99
5)	Bromomethane	3.95	94.0	13842	43.07	UG/L	97
6)	Chloroethane	4.28	64.0	8176	41.96	UG/L	97
7)	Trichlorofluoromethane	4.94	101.0	28047	43.64	UG/L	92
8)	Acrolein	6.39	56.0	12470	234.11	UG/L	95
9)	1,1-Dichloroethene	6.43	96.0	31817	50.09	UG/L	96
10)	Acetone	6.92	43.0	185583	231.56	UG/L	98
11)	Carbon disulfide	6.74	76.0	108324	49.27	UG/L	97
12)	Methylene chloride	7.92	84.0	17490	48.22	UG/L	91
13)	trans-1,2-Dichloroethene	8.51	96.0	30719	47.95	UG/L	93
14)	Acrylonitrile	8.67	53.0	69076	224.14	UG/L	91
15)	1,1-Dichloroethane	9.52	63.0	65873	49.61	UG/L	98
16)	Vinyl acetate	9.86	43.0	109982	102.76	UG/L	100
17)	2,2-Dichloropropane	10.73	77.0	57317	48.70	UG/L	96
18)	cis-1,2-Dichloroethene	10.81	96.0	44259	48.32	UG/L	96
19)	2-Butanone	11.02	43.0	201471	230.78	UG/L	68
20)	Bromochloromethane	11.30	128.0	21683	48.04	UG/L	97
21)	Chloroform	11.58	83.0	77707	48.41	UG/L	94
22)	1,1,1-Trichloroethane	11.74	97.0	54792	48.71	UG/L	96
23)	Carbon tetrachloride	12.04	117.0	42516	47.92	UG/L	96
24)	1,1-Dichloropropene	12.10	75.0	55524	47.41	UG/L	98
25)	BENZENE-D6	12.43	84.0	30534	9.98	UG/L	95
26)	Benzene	12.51	78.0	152160	48.33	UG/L	98
27)	1,2-Dichloroethane	12.65	62.0	65528	48.70	UG/L	96
28)	*TOLUENE-D8	16.27	98.0	25019	10.00	UG/L	93
29)	Trichloroethene	13.86	95.0	42680	50.09	UG/L	84
30)	1,2-Dichloropropane	14.30	63.0	48698	50.88	UG/L	97
31)	Dibromomethane	14.54	174.0	28927	48.45	UG/L	98
33)	Bromodichloromethane	14.94	83.0	54375	49.60	UG/L	98
34)	cis-1,3-Dichloropropene	15.83	75.0	32054	24.50	UG/L	95
35)	Toluene	16.40	92.0	81283	49.29	UG/L	94
36)	4-Methyl-2-pentanone	16.20	43.0	116791	92.93	UG/L	86
37)	trans-1,3-Dichloropropene	16.99	75.0	23307	21.92	UG/L	98
38)	Tetrachloroethene	17.46	166.0	36856	48.29	UG/L	94
39)	1,1,2-Trichloroethane	17.32	132.0	2965	46.78	UG/L	94
40)	1,3-Dichloropropane	17.63	76.0	62919	48.35	UG/L	99
41)	2-Hexanone	17.91	43.0	91936	86.35	UG/L	84

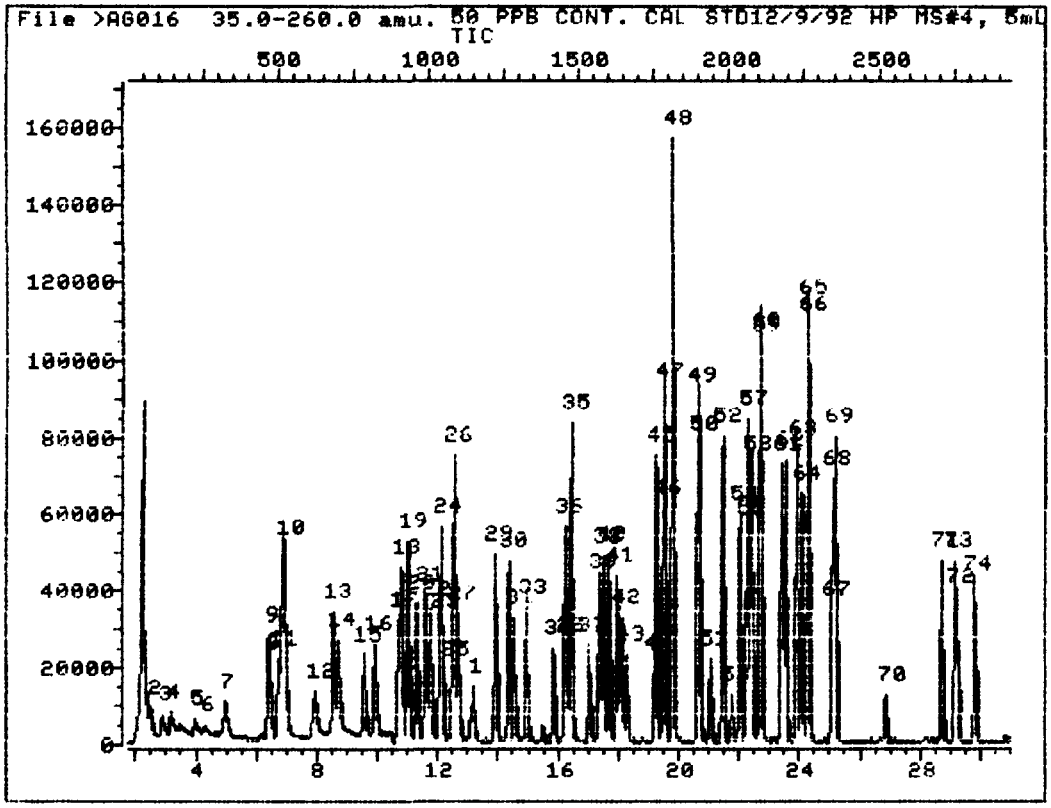
Operator ID: KELLY Quant Rev: 7 Quant Time: 921209 11:57
Output File: ^AG016::D3 Injected at: 921209 11:18
Data File: >AG016::D6 Dilution Factor: 1.00000
Name: 50 PPB CONT. CAL STD Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 5mL PURGE

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 10:38

	Compound	R.T.	Q ion	Area	Conc	Units	q
42)	Dibromochloromethane	18.07	129.0	37422	48.76	UG/L	98
43)	1,2-Dibromoethane	18.22	107.0	38239	50.77	UG/L	99
44)	*CHLOROBENZENE-D5	19.18	117.0	17873	10.00	UG/L	94
45)	Chlorobenzene	19.24	112.0	87165	47.84	UG/L	91
46)	1,1,1,2-Tetrachloroethane	19.47	131.0	30092	46.45	UG/L	98
47)	Ethylbenzene	19.52	91.0	147871	47.87	UG/L	93
48)	m &/or p-Xylene	19.78	106.0	101747	96.92	UG/L	79
49)	o-Xylene	20.60	106.0	51221	47.53	UG/L	92
50)	Styrene	20.65	104.0	70578	48.34	UG/L	90
51)	Bromoform	21.00	173.0	23845	46.28	UG/L	97
52)	Isopropylbenzene	21.41	105.0	138691	47.81	UG/L	93
53)	p-BROMOFLUOROBENZENE	21.72	174.0	7778	10.03	UG/L	95
54)	Bromobenzene	21.97	156.0	36208	47.32	UG/L	97
55)	1,2,3-Trichloropropane	22.21	75.0	36580	47.15	UG/L	84
56)	1,1,2,2-Tetrachloroethane	22.19	83.0	45528	47.12	UG/L	97
57)	n-Propylbenzene	22.31	120.0	33367	47.45	UG/L	98
58)	2-Chlorotoluene	22.42	126.0	31636	47.37	UG/L	90
59)	4-Chlorotoluene	22.68	126.0	32079	48.56	UG/L	86
60)	1,3,5-Trimethylbenzene	22.72	105.0	109411	49.62	UG/L	84
61)	tert-Butylbenzene	23.39	119.0	89172	47.07	UG/L	83
62)	1,2,4-Trimethylbenzene	23.51	105.0	111111	49.90	UG/L	87
63)	sec-Butylbenzene	23.88	105.0	148930	48.62	UG/L	90
64)	1,3-Dichlorobenzene	24.05	146.0	64743	49.54	UG/L	92
65)	1,4-Dichlorobenzene	24.26	146.0	51646	49.13	UG/L	95
66)	p-Isopropyltoluene	24.24	119.0	108769	48.49	UG/L	88
67)	1,2-DICHLOROBENZENE-D4	25.02	152.0	8042	10.25	UG/L	91
68)	1,2-Dichlorobenzene	25.06	146.0	62229	49.89	UG/L	94
69)	n-Butylbenzene	25.15	91.0	123715	49.28	UG/L	87
70)	1,2-Dibromo-3-chloropropane	26.86	157.0	7583	45.15	UG/L	91
71)	1,2,4-Trichlorobenzene	28.68	180.0	37307	50.88	UG/L	96
72)	Naphthalene	29.20	128.0	64540	49.15	UG/L	100
73)	Hexachlorobutadiene	29.12	225.0	31927	48.55	UG/L	95
74)	1,2,3-Trichlorobenzene	29.75	180.0	34667	50.97	UG/L	97

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG016::D6 Quant Output File: ^AG016::D3
Name: 50 PPB CONT. CAL STD Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 5mL PURGE

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 10:38

Operator ID: KELLY
Quant Time : 921209 11:57
Injected at: 921209 11:18

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Instrument ID: HP MS Calibration Date: 12/10/92 Time: 12:33

Lab File ID: >AG031 Init. Calib. Date(s):12/08/92 --/--/--

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = ~~25.0%~~ 30%
ag 1/13/93

COMPOUND		RRF	RRF50	%D	
Dichlorodifluoromethane		.181	.159	11.9	
Chloromethane	#	.245	.223	8.9	#
Vinyl chloride	*	.231	.224	3.0	*
Bromomethane		.110	.105	4.5	
Chloroethane		.063	.057	9.2	
Trichlorofluoromethane		.288	.210	26.9	
Acrolein		.016	.022	36.2	
1,1-Dichloroethene	*	.218	.220	.6	*
Acetone		.241	.303	25.7	
Carbon disulfide		.673	.640	4.9	
Methylene chloride		.114	.130	14.5	
trans-1,2-Dichloroethene		.214	.226	5.3	
Acrylonitrile		.093	.113	21.3	
1,1-Dichloroethane	#	.441	.486	10.2	#
Vinyl acetate		.257	.362	40.5	
2,2-Dichloropropane		.352	.395	12.4	
cis-1,2-Dichloroethene		.270	.321	18.8	
2-Butanone		.269	.387	44.1	
Bromochloromethane		.134	.139	3.9	
Chloroform	*	.477	.556	16.5	*
1,1,1-trichloroethane		.337	.383	13.5	
Carbon tetrachloride		.255	.290	13.7	
1,1-Dichloropropene		.350	.406	15.8	
Benzene		.904	1.096	21.3	
1,2-Dichloroethane	*	.394	.479	21.4	*
Trichloroethene		.339	.332	2.2	
1,2-Dichloropropane		.339	.391	15.4	
Dibromomethane		.211	.222	5.0	
Bromodichloromethane		.376	.429	14.3	
cis-1,3-dichloropropene		.436	.509	16.8	
Toluene	*	.571	.634	11.1	*
4-Methyl-2-pentanone		.410	.554	35.0	
trans-1,3-Dichloropropene		.352	.414	17.8	
Tetrachloroethene		.273	.284	4.1	
1,1,2-Trichloroethane		.023	.022	.8	
1,3-Dichloropropane		.440	.516	17.2	
2-Hexanone		.357	.533	49.1	

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Instrument ID: HP MS Calibration Date: 12/10/92 Time: 12:33

Lab File ID: >AG031 Init. Calib. Date(s):12/08/92 --/--/--

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = ~~25.0%~~ 30%

ag 1/13/93

COMPOUND		RRF	RRF50	%D	
Dibromochloromethane		.256	.294	15.2	
1,2-Dibromoethane		.256	.311	21.4	
Chlorobenzene	#	.895	.988	10.4	#
1,1,1,2-Tetrachloroethane		.289	.339	17.0	
Ethylbenzene	*	1.488	1.688	13.4	*
m &/or p-Xylene		.502	.570	13.5	
o-Xylene		.516	.577	11.7	
Styrene		.697	.802	15.0	
Bromoform	#	.234	.281	20.0	#
Isopropylbenzene		1.388	1.558	12.2	
Bromobenzene		.384	.409	6.6	
1,2,3-Trichloropropane		.353	.459	30.2	
1,1,2,2-Tetrachloroethane		.357	.599	67.9	
n-Propylbenzene		.343	.373	8.9	
2-Chlorotoluene		.334	.361	7.9	
4-Chlorotoluene		.322	.358	11.3	
1,3,5-Trimethylbenzene		1.060	1.260	18.8	
tert-Butylbenzene		.914	1.005	10.0	
1,2,4-Trimethylbenzene		1.063	1.293	21.6	
sec-Butylbenzene		1.497	1.677	12.0	
1,3-Dichlorobenzene		.661	.719	8.9	
1,4-Dichlorobenzene		.523	.581	11.3	
p-Isopropyltoluene		1.078	1.217	12.9	
1,2-Dichlorobenzene		.631	.690	9.3	
n-Butylbenzene		1.226	1.450	18.2	
1,2-Dibromo-3-chloropropane		.064	.103	60.7	
1,2,4-Trichlorobenzene		.381	.438	15.0	
Naphthalene		.612	.900	47.0	
Hexachlorobutadiene		.336	.326	3.0	
1,2,3-Trichlorobenzene		.354	.410	15.6	
Benzene-d6		.980	1.060	8.2	
p-Bromofluorobenzene		.439	.416	5.1	
1,2-Dichlorobenzene-d4		.455	.439	3.7	

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 930106 10:12

Check Standard Data File: >AG031
Injection Time: 921210 12:33

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
Dichlorodifluoromethane	.18084	.15924	11.94	Average	
Chloromethane	.24488	.22303	8.92	Average	
Vinyl chloride	.23098	.22417	2.95	Average	
Bromomethane	.10973	.10472	4.56	Average	
Chloroethane	.06317	.05740	9.12	Average	
Trichlorofluoromethane	.28765	.21029	26.89	Average	
Acrolein	.01637	.02233	36.38	Average	(Conc=250.00)
1,1-Dichloroethene	.21837	.21963	.57	Average	
Acetone	.24086	.30283	25.73	Average	(Conc=250.00)
Carbon disulfide	.67300	.64000	4.90	Average	
Methylene chloride	.11356	.13009	14.55	Average	
trans-1,2-Dichloroethene	.21432	.22571	5.32	Average	
Acrylonitrile	.09330	.11315	21.28	Average	(Conc=250.00)
1,1-Dichloroethane	.44078	.48564	10.18	Average	
Vinyl acetate	.25744	.36177	40.53	Average	(Conc=100.00)
2,2-Dichloropropane	.35191	.39538	12.35	Average	
cis-1,2-Dichloroethene	.26994	.32074	18.82	Average	
2-Butanone	.26863	.38699	44.06	Average	(Conc=250.00)
Bromochloromethane	.13360	.13879	3.88	Average	
Chloroform	.47735	.55604	16.48	Average	
1,1,1-Trichloroethane	.33736	.38290	13.50	Average	
Carbon tetrachloride	.25472	.28952	13.66	Average	
1,1-Dichloropropene	.35043	.40573	15.78	Average	
BENZENE-D6	.98031	1.06053	8.18	Average	(Conc=10.00)
Benzene	.90379	1.09618	21.29	Average	
1,2-Dichloroethane	.39432	.47867	21.39	Average	
Trichloroethene	.33903	.33166	2.17	Average	
1,2-Dichloropropane	.33922	.39142	15.39	Average	
Dibromomethane	.21127	.22192	5.04	Average	
2-Chloroethyl vinylether	-	-	-	Average	
Bromodichloromethane	.37568	.42949	14.32	Average	
cis-1,3-Dichloropropene	.43592	.50920	16.81	Average	(Conc=25.20)
Toluene	.57094	.63421	11.08	Average	
4-Methyl-2-pentanone	.41026	.55401	35.04	Average	(Conc=100.00)
trans-1,3-Dichloropropene	.35179	.41452	17.83	Average	(Conc=22.30)
Tetrachloroethene	.27284	.28389	4.05	Average	
1,1,2-Trichloroethane	.02264	.02243	.89	Average	
1,3-Dichloropropane	.44040	.51629	17.23	Average	
2-Hexanone	.35738	.53304	49.15	Average	(Conc=100.00)
Dibromochloromethane	.25554	.29436	15.19	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 930106 10:12

Check Standard Data File: >AG031
Injection Time: 921210 12:33

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
1,2-Dibromoethane	.25633	.31103	21.34	Average	
Chlorobenzene	.89531	.98810	10.36	Average	
1,1,1,2-Tetrachloroethane	.28949	.33874	17.01	Average	
Ethylbenzene	1.48838	1.68843	13.44	Average	
m &/or p-Xylene	.50212	.56990	13.50	Average	(Conc=100.00)
o-Xylene	.51651	.57686	11.68	Average	
Styrene	.69721	.80172	14.99	Average	
Bromoform	.23430	.28124	20.04	Average	
Isopropylbenzene	1.38806	1.55779	12.23	Average	
p-BROMOFLUOROBENZENE	.43872	.41613	5.15	Average	(Conc=10.00)
Bromobenzene	.38382	.40924	6.62	Average	
1,2,3-Trichloropropane	.35272	.45935	30.23	Average	
1,1,2,2-Tetrachloroethane	.35675	.59900	67.91	Average	
n-Propylbenzene	.34304	.37338	8.84	Average	
2-Chlorotoluene	.33432	.36055	7.85	Average	
4-Chlorotoluene	.32158	.35809	11.36	Average	
1,3,5-Trimethylbenzene	1.06025	1.25961	18.80	Average	
tert-Butylbenzene	.91363	1.00533	10.04	Average	
1,2,4-Trimethylbenzene	1.06327	1.29318	21.62	Average	
sec-Butylbenzene	1.49704	1.67709	12.03	Average	
1,3-Dichlorobenzene	.66067	.71930	8.87	Average	
1,4-Dichlorobenzene	.52248	.58148	11.29	Average	
p-Isopropyltoluene	1.07805	1.21699	12.89	Average	
1,2-DICHLOROBENZENE-D4	.45522	.43852	3.67	Average	(Conc=10.00)
1,2-Dichlorobenzene	.63142	.69010	9.29	Average	
n-Butylbenzene	1.22635	1.45006	18.24	Average	
1,2-Dibromo-3-chloropropane	.06386	.10271	60.83	Average	
1,2,4-Trichlorobenzene	.38059	.43765	14.99	Average	
Naphthalene	.61186	.89974	47.05	Average	
Hexachlorobutadiene	.33641	.32631	3.00	Average	
1,2,3-Trichlorobenzene	.35447	.40986	15.63	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

QUANT REPORT

Operator ID: KELLY Quant Rev: 7 Quant Time: 921210 13:06
Output File: ^AG031::QT Injected at: 921210 12:33
Data File: >AG031::D4 Dilution Factor: 1.00000
Name: 50 PPB 624 VOC STD Instrument ID: HP MSD#1
Misc: 12/10/92

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.10	1141	26382	10.00	UG/L	97
2)	Dichlorodifluoromethane	2.47	74	21006	54.18	UG/L	98
3)	Chloromethane	2.86	113	29420	49.75	UG/L	93
4)	Vinyl chloride	3.13	140	29570	52.58	UG/L	96
5)	Bromomethane	3.91	219	13814	52.81	UG/L	98
6)	Chloroethane	4.23	251	7572	49.01	UG/L	90
7)	Trichlorofluoromethane	4.88	316	27740	52.34	UG/L	94
8)	Acrolein	6.36	464	14728	312.48	UG/L	94
9)	1,1-Dichloroethene	6.38	466	28971	48.18	UG/L	96
10)	Acetone	6.90	519	199732	284.75	UG/L	99
11)	Carbon disulfide	6.68	497	84423	41.24	UG/L	97
12)	Methylene chloride	7.88	617	17160	51.92	UG/L	86
13)	trans-1,2-Dichloroethene	8.47	676	29774	51.29	UG/L	96
14)	Acrylonitrile	8.63	692	74629	285.84	UG/L	95
15)	1,1-Dichloroethane	9.47	777	64061	51.46	UG/L	98
16)	Vinyl acetate	9.82	812	95443	91.84	UG/L	100
17)	2,2-Dichloropropane	10.67	897	52155	48.15	UG/L	99
18)	cis-1,2-Dichloroethene	10.77	907	42309	50.58	UG/L	98
19)	2-Butanone	10.98	928	255237	335.18	UG/L	69
20)	Bromochloromethane	11.26	956	18308	44.68	UG/L	98
21)	Chloroform	11.55	985	73347	49.95	UG/L	94
22)	1,1,1-Trichloroethane	11.71	1001	50508	48.78	UG/L	94
23)	Carbon tetrachloride	12.01	1031	38190	47.53	UG/L	92
24)	1,1-Dichloropropene	12.07	1037	53520	51.01	UG/L	96
25)	BENZENE-D6	12.40	1070	27979	9.70	UG/L	99
26)	Benzene	12.48	1078	144597	50.28	UG/L	97
27)	1,2-Dichloroethane	12.61	1092	63141	50.99	UG/L	98
28)	*TOLUENE-D8	16.24	1456	23964	10.00	UG/L	93
29)	Trichloroethene	13.82	1213	39739	48.60	UG/L	78
30)	1,2-Dichloropropane	14.27	1258	46900	50.27	UG/L	96
31)	Dibromomethane	14.50	1282	26590	47.98	UG/L	98
33)	Bromodichloromethane	14.90	1322	51461	49.40	UG/L	96
34)	cis-1,3-Dichloropropene	15.79	1411	30750	25.24	UG/L	93
35)	Toluene	16.37	1469	75991	48.80	UG/L	94
36)	4-Methyl-2-pentanone	16.18	1450	132764	118.68	UG/L	86
37)	trans-1,3-Dichloropropene	16.96	1529	22152	22.15	UG/L	95
38)	Tetrachloroethene	17.43	1576	34016	48.18	UG/L	97
39)	1,1,2-Trichloroethane	17.29	1562	2688	47.32	UG/L	86
40)	1,3-Dichloropropane	17.60	1593	61862	51.32	UG/L	97
41)	2-Hexanone	17.88	1621	127738	145.06	UG/L	87

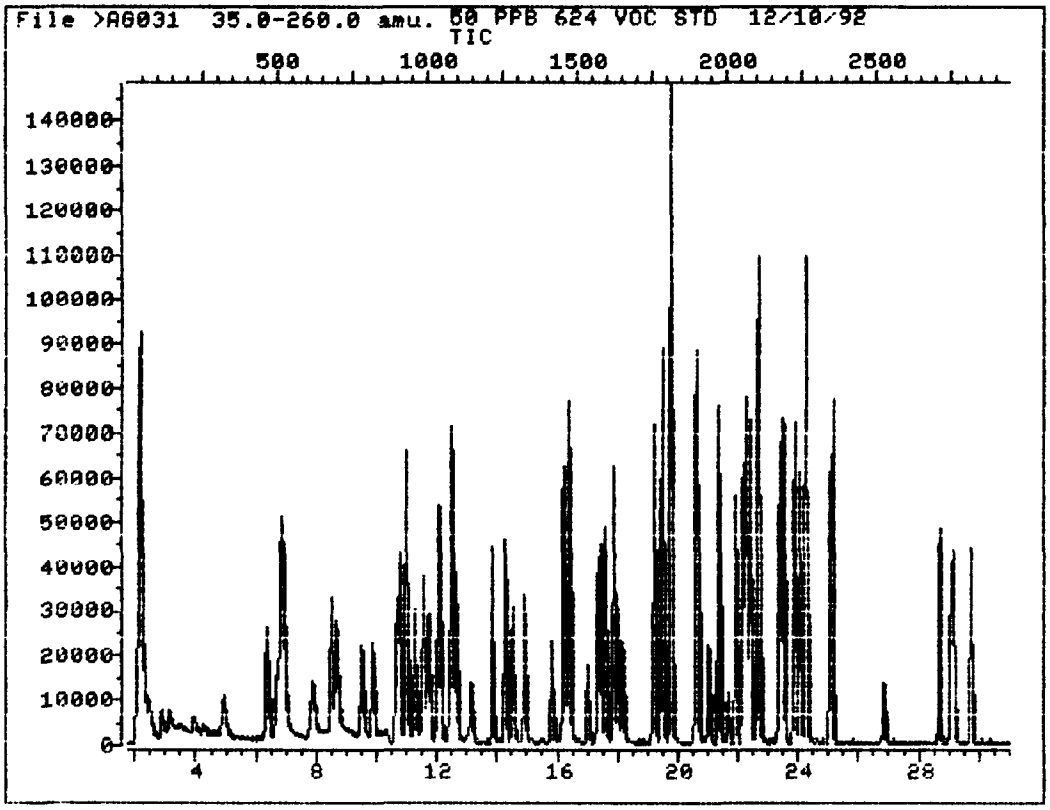
Operator ID: KELLY Quant Rev: 7 Quant Time: 921210 13:06
Output File: ^AG031::QT Injected at: 921210 12:33
Data File: >AG031::D4 Dilution Factor: 1.00000
Name: 50 PPB 624 VOC STD Instrument ID: HP MSD#1
Misc: 12/10/92

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

	Compound	R.T.	Scan#	Area	Conc	Units	q
42)	Dibromochloromethane	18.04	1637	35270	49.20	UG/L	95
43)	1,2-Dibromoethane	18.19	1652	37268	50.88	UG/L	99
44)	*CHLOROBENZENE-D5	19.16	1750	16437	10.00	UG/L	93
45)	Chlorobenzene	19.21	1755	81207	50.65	UG/L	89
46)	1,1,1,2-Tetrachloroethane	19.44	1778	27839	50.30	UG/L	99
47)	Ethylbenzene	19.49	1783	138764	51.02	UG/L	93
48)	m &/or p-Xylene	19.75	1809	93675	100.11	UG/L	78
49)	o-Xylene	20.57	1891	47409	50.32	UG/L	92
50)	Styrene	20.61	1896	65889	50.76	UG/L	92
51)	Bromoform	20.97	1932	23114	52.70	UG/L	97
52)	Isopropylbenzene	21.38	1973	128027	50.19	UG/L	93
53)	p-BROMOFLUOROBENZENE	21.69	2004	6840	9.56	UG/L	90
54)	Bromobenzene	21.94	2029	33633	50.50	UG/L	99
55)	1,2,3-Trichloropropane	22.18	2053	37752	56.11	UG/L	79
56)	1,1,2,2-Tetrachloroethane	22.16	2051	49229	58.79	UG/L	97
57)	n-Propylbenzene	22.27	2062	30686	50.00	UG/L	98
58)	2-Chlorotoluene	22.40	2075	29632	50.92	UG/L	89
59)	4-Chlorotoluene	22.65	2100	29430	49.88	UG/L	88
60)	1,3,5-Trimethylbenzene	22.69	2104	103521	51.44	UG/L	83
61)	tert-Butylbenzene	23.36	2172	82623	50.38	UG/L	81
62)	1,2,4-Trimethylbenzene	23.48	2184	106280	52.00	UG/L	85
63)	sec-Butylbenzene	23.85	2221	137832	50.32	UG/L	90
64)	1,3-Dichlorobenzene	24.02	2238	59116	49.64	UG/L	92
65)	1,4-Dichlorobenzene	24.24	2260	47789	50.31	UG/L	95
66)	p-Isopropyltoluene	24.21	2257	100018	49.99	UG/L	87
67)	1,2-DICHLOROBENZENE-D4	24.98	2334	7208	9.75	UG/L	91
68)	1,2-Dichlorobenzene	25.03	2339	56716	49.55	UG/L	92
69)	n-Butylbenzene	25.13	2349	119173	52.37	UG/L	85
70)	1,2-Dibromo-3-chloropropane	26.82	2519	8441	60.52	UG/L	95
71)	1,2,4-Trichlorobenzene	28.65	2703	35968	52.42	UG/L	96
72)	Naphthalene	29.16	2755	73945	62.29	UG/L	100
73)	Hexachlorobutadiene	29.08	2747	26818	45.67	UG/L	98
74)	1,2,3-Trichlorobenzene	29.72	2811	33684	52.83	UG/L	96

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG031::D4 Quant Output File: ^AG031::QT
Name: 50 PPB 624 VOC STD Instrument ID: HP MSD#1
Misc: 12/10/92

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

Operator ID: KELLY
Quant Time : 921210 13:06
Injected at: 921210 12:33

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Instrument ID: HP MS Calibration Date: 12/14/92 Time: 10:24

Lab File ID: >AG045 Init. Calib. Date(s):12/08/92 --/--/--

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = ~~25.0%~~ 30%

ag 1/13/93

COMPOUND		$\overline{RRF}$	RRF50	%D	
Dichlorodifluoromethane		.181	.160	11.3	
Chloromethane	#	.245	.271	10.5	#
Vinyl chloride	*	.231	.237	2.7	*
Bromomethane		.110	.109	.2	
Chloroethane		.063	.080	26.3	
Trichlorofluoromethane		.288	.229	20.4	
Acrolein		.016	.020	21.3	
1,1-Dichloroethene	*	.218	.206	5.8	*
Acetone		.241	.277	15.2	
Carbon disulfide		.673	.688	2.3	
Methylene chloride		.114	.132	15.8	
trans-1,2-Dichloroethene		.214	.225	5.2	
Acrylonitrile		.093	.102	9.3	
1,1-Dichloroethane	#	.441	.479	8.6	#
Vinyl acetate		.257	.365	41.6	
2,2-Dichloropropane		.352	.392	11.5	
cis-1,2-Dichloroethene		.270	.331	22.7	
2-Butanone		.269	.336	25.2	
Bromochloromethane		.134	.165	23.8	
Chloroform	*	.477	.575	20.4	*
1,1,1-trichloroethane		.337	.372	10.1	
Carbon tetrachloride		.255	.270	5.9	
1,1-Dichloropropene		.350	.374	6.6	
Benzene		.904	1.142	26.3	
1,2-Dichloroethane	*	.394	.469	19.0	*
Trichloroethene		.339	.324	4.4	
1,2-Dichloropropane		.339	.385	13.4	
Dibromomethane		.211	.250	18.1	
Bromodichloromethane		.376	.444	18.2	
cis-1,3-dichloropropene		.436	.532	22.1	
Toluene	*	.571	.663	16.2	*
4-Methyl-2-pentanone		.410	.507	23.6	
trans-1,3-Dichloropropene		.352	.418	19.0	
Tetrachloroethene		.273	.289	6.1	
1,1,2-Trichloroethane		.023	.026	15.4	
1,3-Dichloropropane		.440	.511	16.0	
2-Hexanone		.357	.484	35.5	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Instrument ID: HP MS Calibration Date: 12/14/92 Time: 10:24

Lab File ID: >AG045 Init. Calib. Date(s): 12/08/92 --/--/--

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = ~~25.0%~~ 30% ag 1/13/93

COMPOUND	RRF	RRF50	%D
Dibromochloromethane	.256	.311	21.6
1,2-Dibromoethane	.256	.307	19.7
Chlorobenzene #	.895	.999	11.5 #
1,1,1,2-Tetrachloroethane	.289	.346	19.7
Ethylbenzene *	1.488	1.628	9.4 *
m &/or p-Xylene	.502	.565	12.5
o-Xylene	.516	.584	13.0
Styrene	.697	.803	15.1
Bromoform #	.234	.285	21.8 #
Isopropylbenzene	1.388	1.497	7.8
Bromobenzene	.384	.422	9.9
1,2,3-Trichloropropane	.353	.404	14.6
1,1,2,2-Tetrachloroethane	.357	.538	50.9
n-Propylbenzene	.343	.367	6.9
2-Chlorotoluene	.334	.367	9.8
4-Chlorotoluene	.322	.362	12.5
1,3,5-Trimethylbenzene	1.060	1.229	15.9
tert-Butylbenzene	.914	.977	7.0
1,2,4-Trimethylbenzene	1.063	1.273	19.7
sec-Butylbenzene	1.497	1.539	2.8
1,3-Dichlorobenzene	.661	.726	9.9
1,4-Dichlorobenzene	.523	.582	11.4
p-Isopropyltoluene	1.078	1.183	9.7
1,2-Dichlorobenzene	.631	.696	10.3
n-Butylbenzene	1.226	1.320	7.7
1,2-Dibromo-3-chloropropane	.064	.093	45.4
1,2,4-Trichlorobenzene	.381	.460	20.8
Naphthalene	.612	.772	26.1
Hexachlorobutadiene	.336	.342	1.6
1,2,3-Trichlorobenzene	.354	.415	17.2
Benzene-d6	.980	1.118	14.1
p-Bromofluorobenzene	.439	.453	3.2
1,2-Dichlorobenzene-d4	.455	.461	1.3

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 930106 10:12

Check Standard Data File: >AG045
Injection Time: 921214 10:24

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
Dichlorodifluoromethane	.18084	.16034	11.34	Average	
Chloromethane	.24488	.27051	10.47	Average	
Vinyl chloride	.23098	.23719	2.69	Average	
Bromomethane	.10973	.10947	.23	Average	
Chloroethane	.06317	.07979	26.32	Average	
Trichlorofluoromethane	.28765	.22889	20.42	Average	
Acrolein	.01637	.01989	21.45	Average	(Conc=250.00)
1,1-Dichloroethene	.21837	.20579	5.76	Average	
Acetone	.24086	.27744	15.19	Average	(Conc=250.00)
Carbon disulfide	.67300	.68837	2.28	Average	
Methylene chloride	.11356	.13155	15.84	Average	
trans-1,2-Dichloroethene	.21432	.22540	5.17	Average	
Acrylonitrile	.09330	.10197	9.30	Average	(Conc=250.00)
1,1-Dichloroethane	.44078	.47876	8.62	Average	
Vinyl acetate	.25744	.36460	41.62	Average	(Conc=100.00)
2,2-Dichloropropane	.35191	.39236	11.49	Average	
cis-1,2-Dichloroethene	.26994	.33125	22.71	Average	
2-Butanone	.26863	.33625	25.17	Average	(Conc=250.00)
Bromochloromethane	.13360	.16544	23.83	Average	
Chloroform	.47735	.57462	20.38	Average	
1,1,1-Trichloroethane	.33736	.37163	10.16	Average	
Carbon tetrachloride	.25472	.26978	5.91	Average	
1,1-Dichloropropene	.35043	.37368	6.64	Average	
BENZENE-D6	.98031	1.11824	14.07	Average	(Conc=10.00)
Benzene	.90379	1.14159	26.31	Average	
1,2-Dichloroethane	.39432	.46937	19.03	Average	
Trichloroethene	.33903	.32394	4.45	Average	
1,2-Dichloropropane	.33922	.38468	13.40	Average	
Dibromomethane	.21127	.24957	18.13	Average	
2-Chloroethyl vinylether	-	-	-	Average	
Bromodichloromethane	.37568	.44410	18.21	Average	
cis-1,3-Dichloropropene	.43592	.53239	22.13	Average	(Conc=25.20)
Toluene	.57094	.66340	16.19	Average	
4-Methyl-2-pentanone	.41026	.50698	23.58	Average	(Conc=100.00)
trans-1,3-Dichloropropene	.35179	.41858	18.98	Average	(Conc=22.30)
Tetrachloroethene	.27284	.28939	6.07	Average	
1,1,2-Trichloroethane	.02264	.02607	15.17	Average	
1,3-Dichloropropane	.44040	.51087	16.00	Average	
2-Hexanone	.35738	.48424	35.50	Average	(Conc=100.00)
Dibromochloromethane	.25554	.31072	21.59	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 930106 10:12

Check Standard Data File: >AG045
Injection Time: 921214 10:24

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
1,2-Dibromoethane	.25633	.30668	19.64	Average	
Chlorobenzene	.89531	.99854	11.53	Average	
1,1,1,2-Tetrachloroethane	.28949	.34640	19.66	Average	
Ethylbenzene	1.48838	1.62828	9.40	Average	
m &/or p-Xylene	.50212	.56502	12.53	Average	(Conc=100.00)
o-Xylene	.51651	.58366	13.00	Average	
Styrene	.69721	.80275	15.14	Average	
Bromoform	.23430	.28532	21.77	Average	
Isopropylbenzene	1.38806	1.49691	7.84	Average	
p-BROMOFLUOROBENZENE	.43872	.45295	3.24	Average	(Conc=10.00)
Bromobenzene	.38382	.42185	9.91	Average	
1,2,3-Trichloropropane	.35272	.40415	14.58	Average	
1,1,2,2-Tetrachloroethane	.35675	.53815	50.85	Average	
n-Propylbenzene	.34304	.36650	6.84	Average	
2-Chlorotoluene	.33432	.36710	9.80	Average	
4-Chlorotoluene	.32158	.36186	12.52	Average	
1,3,5-Trimethylbenzene	1.06025	1.22910	15.92	Average	
tert-Butylbenzene	.91363	.97734	6.97	Average	
1,2,4-Trimethylbenzene	1.06327	1.27279	19.71	Average	
sec-Butylbenzene	1.49704	1.53855	2.77	Average	
1,3-Dichlorobenzene	.66067	.72602	9.89	Average	
1,4-Dichlorobenzene	.52248	.58207	11.40	Average	
p-Isopropyltoluene	1.07805	1.18262	9.70	Average	
1,2-DICHLOROBENZENE-D4	.45522	.46090	1.25	Average	(Conc=10.00)
1,2-Dichlorobenzene	.63142	.69630	10.28	Average	
n-Butylbenzene	1.22635	1.32047	7.67	Average	
1,2-Dibromo-3-chloropropane	.06386	.09289	45.45	Average	
1,2,4-Trichlorobenzene	.38059	.45974	20.79	Average	
Naphthalene	.61186	.77189	26.16	Average	
Hexachlorobutadiene	.33641	.34178	1.60	Average	
1,2,3-Trichlorobenzene	.35447	.41542	17.19	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

Calibration Check Report

Title: VOC 24 COMPOUNDS
Calibrated: 921209 09:43

Check Standard Data File: >AG045
Injection Time: 921214 10:24

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
Dichlorodifluoromethane	.18084	.16034	11.34	Average	
Chloromethane	.24488	.27051	10.47	Average	
Vinyl chloride	.23098	.23719	2.69	Average	
Bromomethane	.10973	.10947	.23	Average	
Chloroethane	.06317	.07979	26.32	Average	
Trichlorofluoromethane	.28765	.22889	20.42	Average	
Acrolein	.01637	.01989	21.45	Average	(Conc=250.00)
1,1-Dichloroethene	.21837	.20579	5.76	Average	
Acetone	.24086	.27744	15.19	Average	(Conc=250.00)
Carbon disulfide	.67308	.68837	2.28	Average	
Methylene chloride	.11356	.13155	15.84	Average	
trans-1,2-Dichloroethene	.21432	.22540	5.17	Average	
Acrylonitrile	.09330	.10197	9.30	Average	(Conc=250.00)
1,1-Dichloroethane	.44078	.47876	8.62	Average	
Vinyl acetate	.25744	.36460	41.62	Average	(Conc=100.00)
2,2-Dichloropropane	.35191	.39236	11.49	Average	
cis-1,2-Dichloroethene	.26994	.33125	22.71	Average	
2-Butanone	.26863	.33625	25.17	Average	(Conc=250.00)
Bromochloromethane	.13360	.16544	23.83	Average	
Chloroform	.47735	.57462	20.38	Average	
1,1,1-Trichloroethane	.33736	.37163	10.16	Average	
Carbon tetrachloride	.25472	.26978	5.91	Average	
1,1-Dichloropropene	.35043	.37368	6.64	Average	
BENZENE-D6	.98031	1.11824	14.07	Average	(Conc=10.00)
Benzene	.90379	1.14159	26.31	Average	
1,2-Dichloroethane	.39432	.46937	19.03	Average	
Trichloroethene	.33903	.32394	4.45	Average	
1,2-Dichloropropane	.33922	.38468	13.40	Average	
Dibromomethane	.21127	.24957	18.13	Average	
Bromodichloromethane	.37568	.44410	18.21	Average	
cis-1,3-Dichloropropene	.21970	.26832	22.13	Average	
Toluene	.57094	.66340	16.19	Average	
4-Methyl-2-pentanone	.41026	.50698	23.58	Average	(Conc=100.00)
trans-1,3-Dichloropropene	.15690	.18668	18.98	Average	
Tetrachloroethene	.27284	.28939	6.07	Average	
1,1,2-Trichloroethane	.02264	.02607	15.17	Average	
1,3-Dichloropropane	.44040	.51087	16.00	Average	
2-Hexanone	.35738	.48424	35.50	Average	(Conc=100.00)
Dibromochloromethane	.25554	.31072	21.59	Average	
1,2-Dibromoethane	.25633	.30668	19.64	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 921209 09:43

Check Standard Data File: >AG045
Injection Time: 921214 10:24

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
Chlorobenzene	.89531	.99854	11.53	Average	
1,1,1,2-Tetrachloroethane	.28949	.34640	19.66	Average	
Ethylbenzene	1.48838	1.62828	9.40	Average	
m &/or p-Xylene	.50212	.56502	12.53	Average	(Conc=100.00)
o-Xylene	.51651	.58366	13.00	Average	
Styrene	.69721	.80275	15.14	Average	
Bromoform	.23430	.28532	21.77	Average	
Isopropylbenzene	1.38806	1.49691	7.84	Average	
p-BROMOFLUOROBENZENE	.43872	.45295	3.24	Average	(Conc=10.00)
Bromobenzene	.38382	.42185	9.91	Average	
1,2,3-Trichloropropane	.35272	.40415	14.58	Average	
1,1,2,2-Tetrachloroethane	.35675	.53815	50.85	Average	
n-Propylbenzene	.34304	.36650	6.84	Average	
2-Chlorotoluene	.33432	.36710	9.80	Average	
4-Chlorotoluene	.32158	.36186	12.52	Average	
1,3,5-Trimethylbenzene	1.06025	1.22910	15.92	Average	
tert-Butylbenzene	.91363	.97734	6.97	Average	
1,2,4-Trimethylbenzene	1.06327	1.27279	19.71	Average	
sec-Butylbenzene	1.49704	1.53855	2.77	Average	
1,3-Dichlorobenzene	.66067	.72602	9.89	Average	
1,4-Dichlorobenzene	.52248	.58207	11.40	Average	
p-Isopropyltoluene	1.07805	1.18262	9.70	Average	
1,2-DICHLOROBENZENE-D4	.45522	.46090	1.25	Average	(Conc=10.00)
1,2-Dichlorobenzene	.63142	.69630	10.28	Average	
n-Butylbenzene	1.22635	1.32047	7.67	Average	
1,2-Dibromo-3-chloropropane	.06386	.09289	45.45	Average	
1,2,4-Trichlorobenzene	.38059	.45974	20.79	Average	
Naphthalene	.61186	.77189	26.16	Average	
Hexachlorobutadiene	.33641	.34178	1.60	Average	
1,2,3-Trichlorobenzene	.35447	.41542	17.19	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

QUANT REPORT

Operator ID: KELLY
Output File: ^AG045::QT
Data File: >AG045::D6
Name: 50 PPB STD
Misc: 12/11/92 HP MSD#1

Quant Rev: 7
Quant Time: 921214 10:57
Injected at: 921214 10:24
Dilution Factor: 1.00000
Instrument ID: HP MSD#1

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22
Last Qcal Time: 921210 11:53

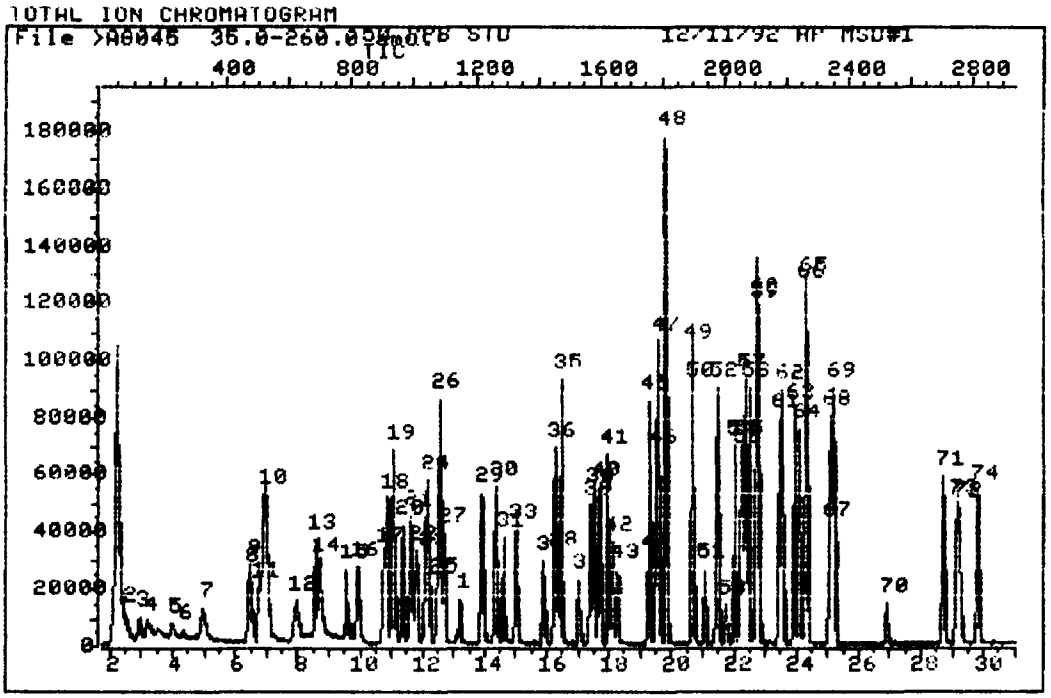
	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.16	96.0	31030	10.00	UG/L	99
2)	Dichlorodifluoromethane	2.50	85.0	24876	43.72	UG/L	97
3)	Chloromethane	2.88	50.0	41969	50.60	UG/L	92
4)	Vinyl chloride	3.15	62.0	36800	49.74	UG/L	98
5)	Bromomethane	3.96	94.0	16985	47.81	UG/L	93
6)	Chloroethane	4.28	64.0	12380	49.63	UG/L	91
7)	Trichlorofluoromethane	4.94	101.0	35513	51.93	UG/L	98
8)	Acrolein	6.41	56.0	15426	241.00	UG/L	98
9)	1,1-Dichloroethene	6.43	96.0	31928	46.37	UG/L	95
10)	Acetone	6.95	43.0	215222	223.12	UG/L	98
11)	Carbon disulfide	6.75	76.0	106801	59.24	UG/L	98
12)	Methylene chloride	7.94	84.0	20410	58.73	UG/L	93
13)	trans-1,2-Dichloroethene	8.53	96.0	34971	49.91	UG/L	96
14)	Acrylonitrile	8.70	53.0	79104	212.19	UG/L	95
15)	1,1-Dichloroethane	9.54	63.0	74280	51.07	UG/L	99
16)	Vinyl acetate	9.88	43.0	113136	86.84	UG/L	100
17)	2,2-Dichloropropane	10.74	77.0	60874	50.32	UG/L	96
18)	cis-1,2-Dichloroethene	10.84	96.0	51394	53.22	UG/L	95
19)	2-Butanone	11.04	43.0	260848	213.45	UG/L	71
20)	Bromochloromethane	11.33	128.0	25668	66.89	UG/L	99
21)	Chloroform	11.60	83.0	89153	52.69	UG/L	94
22)	1,1,1-Trichloroethane	11.78	97.0	57658	48.81	UG/L	96
23)	Carbon tetrachloride	12.07	117.0	41856	47.52	UG/L	91
24)	1,1-Dichloropropene	12.13	75.0	57977	48.00	UG/L	97
25)	BENZENE-D6	12.46	84.0	34699	10.32	UG/L	99
26)	Benzene	12.54	78.0	177117	52.89	UG/L	98
27)	1,2-Dichloroethane	12.68	62.0	72822	49.94	UG/L	99
28)	*TOLUENE-D8	16.29	98.0	28494	10.00	UG/L	96
29)	Trichloroethene	13.88	95.0	46152	49.44	UG/L	86
30)	1,2-Dichloropropane	14.33	63.0	54805	50.30	UG/L	95
31)	Dibromomethane	14.57	174.0	35556	56.91	UG/L	95
33)	Bromodichloromethane	14.97	83.0	63271	51.47	UG/L	98
34)	cis-1,3-Dichloropropene	15.84	75.0	38228	25.98	UG/L	95
35)	Toluene	16.42	92.0	94514	52.19	UG/L	97
36)	4-Methyl-2-pentanone	16.23	43.0	144460	90.52	UG/L	88
37)	trans-1,3-Dichloropropene	17.01	75.0	26597	22.13	UG/L	96
38)	Tetrachloroethene	17.48	166.0	41230	51.84	UG/L	99
39)	1,1,2-Trichloroethane	17.36	132.0	3714	53.69	UG/L	95
40)	1,3-Dichloropropane	17.65	76.0	72784	48.75	UG/L	99
41)	2-Hexanone	17.92	43.0	137979	98.82	UG/L	86

Operator ID: KELLY Quant Rev: 7 Quant Time: 921214 10:57
Output File: ^AG045::QT Injected at: 921214 10:24
Data File: >AG045::D6 Dilution Factor: 1.00000
Name: 50 PPB STD Instrument ID: HP MSD#1
Misc: 12/11/92 HP MSD#1

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921210 11:53

	Compound	R.T.	Q ion	Area	Conc	Units	q
42)	Dibromochloromethane	18.09	129.0	44268	52.97	UG/L	95
43)	1,2-Dibromoethane	18.24	107.0	43692	49.92	UG/L	99
44)	*CHLOROBENZENE-D5	19.21	117.0	20627	10.00	UG/L	94
45)	Chlorobenzene	19.26	112.0	102984	52.38	UG/L	93
46)	1,1,1,2-Tetrachloroethane	19.49	131.0	35726	52.29	UG/L	97
47)	Ethylbenzene	19.54	91.0	167933	48.75	UG/L	94
48)	m &/or p-Xylene	19.80	106.0	116546	100.52	UG/L	79
49)	o-Xylene	20.61	106.0	60196	51.51	UG/L	94
50)	Styrene	20.67	104.0	82792	51.15	UG/L	92
51)	Bromoform	21.03	173.0	29426	53.11	UG/L	96
52)	Isopropylbenzene	21.43	105.0	154384	48.81	UG/L	95
53)	p-BROMOFLUOROBENZENE	21.73	174.0	9343	11.11	UG/L	95
54)	Bromobenzene	21.99	156.0	43508	53.73	UG/L	97
55)	1,2,3-Trichloropropane	22.22	75.0	41682	44.79	UG/L	83
56)	1,1,2,2-Tetrachloroethane	22.21	83.0	55502	46.48	UG/L	99
57)	n-Propylbenzene	22.33	120.0	37799	49.93	UG/L	98
58)	2-Chlorotoluene	22.45	126.0	37861	52.54	UG/L	91
59)	4-Chlorotoluene	22.70	126.0	37320	52.73	UG/L	88
60)	1,3,5-Trimethylbenzene	22.74	105.0	126763	49.64	UG/L	86
61)	tert-Butylbenzene	23.41	119.0	100798	49.24	UG/L	85
62)	1,2,4-Trimethylbenzene	23.53	105.0	131269	50.83	UG/L	88
63)	sec-Butylbenzene	23.90	105.0	158678	46.92	UG/L	94
64)	1,3-Dichlorobenzene	24.07	146.0	74878	51.91	UG/L	92
65)	1,4-Dichlorobenzene	24.28	146.0	60032	51.27	UG/L	95
66)	p-Isopropyltoluene	24.26	119.0	121969	49.37	UG/L	88
67)	1,2-DICHLOROBENZENE-D4	25.04	152.0	9507	10.44	UG/L	93
68)	1,2-Dichlorobenzene	25.08	146.0	71813	51.98	UG/L	94
69)	n-Butylbenzene	25.17	91.0	136187	47.16	UG/L	88
70)	1,2-Dibromo-3-chloropropane	26.88	157.0	9580	46.59	UG/L	90
71)	1,2,4-Trichlorobenzene	28.69	180.0	47415	54.59	UG/L	96
72)	Naphthalene	29.21	128.0	79609	43.27	UG/L	100
73)	Hexachlorobutadiene	29.13	225.0	35249	53.23	UG/L	99
74)	1,2,3-Trichlorobenzene	29.78	180.0	42844	51.74	UG/L	97

* Compound is ISTD



Data File: >AG045::D6 Quant Output File: ^AG045::QI
Name: 50 PPB STD Instrument ID: HP MSD#1
Misc: 12/11/92 HP MSD#1

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921210 11:53

Operator ID: KELLY
Quant Time : 921214 10:57
Injected at: 921214 10:24

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Instrument ID: HP MS Calibration Date: 12/16/92 Time: 9:23

Lab File ID: >AG057 Init. Calib. Date(s):12/08/92 --/--/--

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = ~~25.0%~~ 30% ag 1/13/93

COMPOUND		$\overline{RRF}$	RRF50	%D	
Dichlorodifluoromethane		.181	.163	9.6	
Chloromethane	#	.245	.261	6.6	#
Vinyl chloride	*	.231	.235	1.9	*
Bromomethane		.110	.101	7.8	
Chloroethane		.063	.062	2.6	
Trichlorofluoromethane		.288	.212	26.4	
Acrolein		.016	.019	14.5	
1,1-Dichloroethene	*	.218	.229	4.7	*
Acetone		.241	.290	20.3	
Carbon disulfide		.673	.708	5.3	
Methylene chloride		.114	.134	17.6	
trans-1,2-Dichloroethene		.214	.230	7.4	
Acrylonitrile		.093	.109	17.1	
1,1-Dichloroethane	#	.441	.476	7.9	#
Vinyl acetate		.257	.381	47.9	
2,2-Dichloropropane		.352	.348	1.0	
cis-1,2-Dichloroethene		.270	.323	19.8	
2-Butanone		.269	.324	20.7	
Bromochloromethane		.134	.158	18.2	
Chloroform	*	.477	.584	22.3	*
1,1,1-trichloroethane		.337	.406	20.2	
Carbon tetrachloride		.255	.314	23.2	
1,1-Dichloropropene		.350	.414	18.2	
Benzene		.904	1.134	25.5	
1,2-Dichloroethane	*	.394	.482	22.3	*
Trichloroethene		.339	.355	4.7	
1,2-Dichloropropane		.339	.386	13.9	
Dibromomethane		.211	.231	9.1	
Bromodichloromethane		.376	.438	16.5	
cis-1,3-dichloropropene		.436	.514	17.9	
Toluene	*	.571	.654	14.6	*
4-Methyl-2-pentanone		.410	.500	21.9	
trans-1,3-Dichloropropene		.352	.433	23.2	
Tetrachloroethene		.273	.294	7.9	
1,1,2-Trichloroethane		.023	.024	6.8	
1,3-Dichloropropane		.440	.518	17.5	
2-Hexanone		.357	.403	12.8	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Instrument ID: HP MS Calibration Date: 12/16/92 Time: 9:23

Lab File ID: >AG057 Init. Calib. Date(s):12/08/92 --/--/--

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = ~~25.0%~~ 30 %

ag 1/13/93

COMPOUND	RRF	RRF50	%D
Dibromochloromethane	.256	.304	19.1
1,2-Dibromoethane	.256	.308	20.1
Chlorobenzene #	.895	.998	11.5 #
1,1,1,2-Tetrachloroethane	.289	.347	19.7
Ethylbenzene *	1.488	1.746	17.3 *
m &/or p-Xylene	.502	.589	17.3
o-Xylene	.516	.599	15.9
Styrene	.697	.815	16.9
Bromoform #	.234	.287	22.4 #
Isopropylbenzene	1.388	1.616	16.4
Bromobenzene	.384	.413	7.6
1,2,3-Trichloropropane	.353	.443	25.7
1,1,2,2-Tetrachloroethane	.357	.528	47.9
n-Propylbenzene	.343	.394	14.7
2-Chlorotoluene	.334	.370	10.5
4-Chlorotoluene	.322	.363	12.8
1,3,5-Trimethylbenzene	1.060	1.299	22.6
tert-Butylbenzene	.914	1.045	14.4
1,2,4-Trimethylbenzene	1.063	1.339	26.0
sec-Butylbenzene	1.497	1.741	16.3
1,3-Dichlorobenzene	.661	.737	11.5
1,4-Dichlorobenzene	.523	.592	13.3
p-Isopropyltoluene	1.078	1.285	19.2
1,2-Dichlorobenzene	.631	.707	12.0
n-Butylbenzene	1.226	1.513	23.4
1,2-Dibromo-3-chloropropane	.064	.094	47.2
1,2,4-Trichlorobenzene	.381	.469	23.3
Naphthalene	.612	.885	44.6
Hexachlorobutadiene	.336	.383	13.9
1,2,3-Trichlorobenzene	.354	.443	25.0
Benzene-d6	.980	1.090	11.2
p-Bromofluorobenzene	.439	.423	3.7
1,2-Dichlorobenzene-d4	.455	.451	1.0

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 930106 10:12

Check Standard Data File: >AG057
Injection Time: 921216 09:23

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
Dichlorodifluoromethane	.18084	.16337	9.66	Average	
Chloromethane	.24488	.26117	6.65	Average	
Vinyl chloride	.23098	.23543	1.93	Average	
Bromomethane	.10973	.10116	7.81	Average	
Chloroethane	.06317	.06156	2.54	Average	
Trichlorofluoromethane	.28765	.21170	26.40	Average	
Acrolein	.01637	.01878	14.70	Average	(Conc=250.00)
1,1-Dichloroethene	.21837	.22871	4.74	Average	
Acetone	.24086	.28980	20.32	Average	(Conc=250.00)
Carbon disulfide	.67300	.70835	5.25	Average	
Methylene chloride	.11356	.13355	17.60	Average	
trans-1,2-Dichloroethene	.21432	.23008	7.35	Average	
Acrylonitrile	.09330	.10929	17.14	Average	(Conc=250.00)
1,1-Dichloroethane	.44078	.47584	7.95	Average	
Vinyl acetate	.25744	.38061	47.84	Average	(Conc=100.00)
2,2-Dichloropropane	.35191	.34822	1.05	Average	
cis-1,2-Dichloroethene	.26994	.32325	19.75	Average	
2-Butanone	.26863	.32409	20.65	Average	(Conc=250.00)
Bromochloromethane	.13360	.15792	18.20	Average	
Chloroform	.47735	.58368	22.27	Average	
1,1,1-Trichloroethane	.33736	.40551	20.20	Average	
Carbon tetrachloride	.25472	.31373	23.17	Average	
1,1-Dichloropropene	.35043	.41425	18.21	Average	
BENZENE-D6	.98031	1.09022	11.21	Average	(Conc=10.00)
Benzene	.90379	1.13415	25.49	Average	
1,2-Dichloroethane	.39432	.48236	22.33	Average	
Trichloroethene	.33903	.35488	4.68	Average	
1,2-Dichloropropane	.33922	.38627	13.87	Average	
Dibromomethane	.21127	.23063	9.16	Average	
2-Chloroethyl vinylether	-	-	-	Average	
Bromodichloromethane	.37568	.43779	16.53	Average	
cis-1,3-Dichloropropene	.43592	.51412	17.94	Average	(Conc=25.20)
Toluene	.57094	.65414	14.57	Average	
4-Methyl-2-pentanone	.41026	.50004	21.88	Average	(Conc=100.00)
trans-1,3-Dichloropropene	.35179	.43333	23.18	Average	(Conc=22.30)
Tetrachloroethene	.27284	.29447	7.93	Average	
1,1,2-Trichloroethane	.02264	.02413	6.60	Average	
1,3-Dichloropropane	.44040	.51753	17.51	Average	
2-Hexanone	.35738	.40299	12.76	Average	(Conc=100.00)
Dibromochloromethane	.25554	.30421	19.04	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 930106 10:12

Check Standard Data File: >AG057
Injection Time: 921216 09:23

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
1,2-Dibromoethane	.25633	.30773	20.05	Average	
Chlorobenzene	.89531	.99806	11.48	Average	
1,1,1,2-Tetrachloroethane	.28949	.34656	19.71	Average	
Ethylbenzene	1.48838	1.74564	17.28	Average	
m &/or p-Xylene	.50212	.58883	17.27	Average	(Conc=100.00)
o-Xylene	.51651	.59860	15.89	Average	
Styrene	.69721	.81498	16.89	Average	
Bromoform	.23430	.28674	22.38	Average	
Isopropylbenzene	1.38806	1.61598	16.42	Average	
p-BROMOFLUOROBENZENE	.43872	.42266	3.66	Average	(Conc=10.00)
Bromobenzene	.38382	.41316	7.64	Average	
1,2,3-Trichloropropane	.35272	.44348	25.73	Average	
1,1,2,2-Tetrachloroethane	.35675	.52765	47.91	Average	
n-Propylbenzene	.34304	.39351	14.71	Average	
2-Chlorotoluene	.33432	.36954	10.53	Average	
4-Chlorotoluene	.32158	.36275	12.80	Average	
1,3,5-Trimethylbenzene	1.06025	1.29950	22.56	Average	
tert-Butylbenzene	.91363	1.04505	14.38	Average	
1,2,4-Trimethylbenzene	1.06327	1.33933	25.96	Average	
sec-Butylbenzene	1.49704	1.74151	16.33	Average	
1,3-Dichlorobenzene	.66067	.73701	11.56	Average	
1,4-Dichlorobenzene	.52248	.59199	13.30	Average	
p-Isopropyltoluene	1.07805	1.28520	19.22	Average	
1,2-DICHLOROBENZENE-D4	.45522	.45086	.96	Average	(Conc=10.00)
1,2-Dichlorobenzene	.63142	.70704	11.98	Average	
n-Butylbenzene	1.22635	1.51316	23.39	Average	
1,2-Dibromo-3-chloropropane	.06386	.09406	47.29	Average	
1,2,4-Trichlorobenzene	.38059	.46928	23.30	Average	
Naphthalene	.61186	.88467	44.59	Average	
Hexachlorobutadiene	.33641	.38331	13.94	Average	
1,2,3-Trichlorobenzene	.35447	.44312	25.01	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

QUANT REPORT

Operator ID: KELLY Quant Rev: 7 Quant Time: 921216 10:14
Output File: ^AG057::D3 Injected at: 921216 09:23
Data File: >AG057::D6 Dilution Factor: 1.00000
Name: 50 PPB CC STD. Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE

ID File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

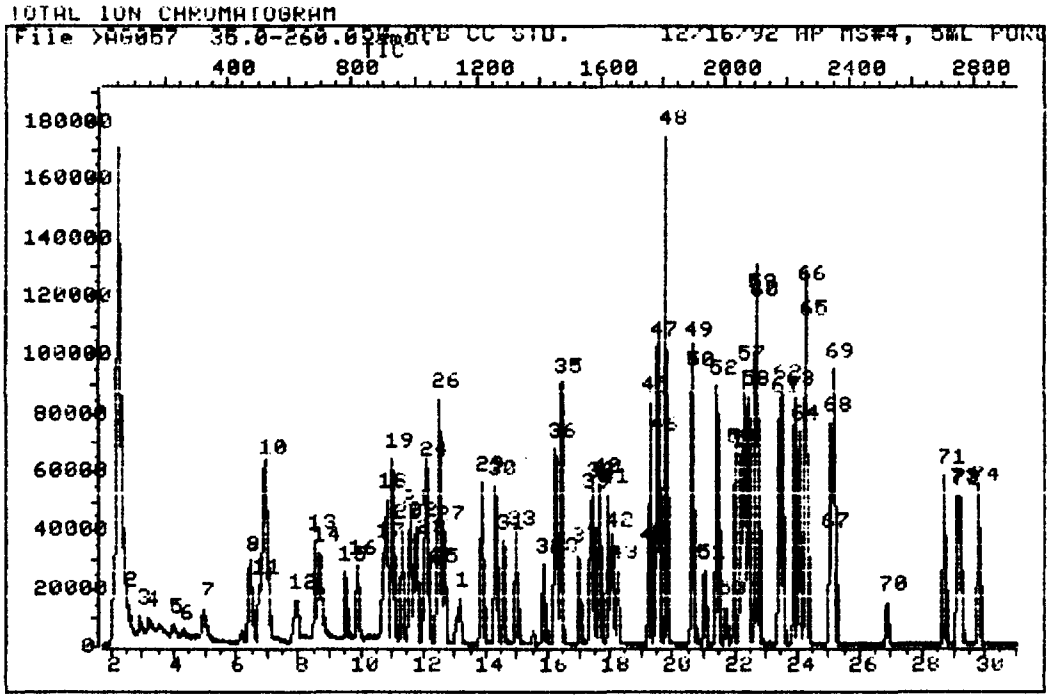
	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.13	96.0	30236	10.00	UG/L	96
2)	Dichlorodifluoromethane	2.50	85.0	24699	50.95	UG/L	95
3)	Chloromethane	2.89	50.0	39484	48.27	UG/L	92
4)	Vinyl chloride	3.16	62.0	35593	49.63	UG/L	98
5)	Bromomethane	3.96	94.0	15293	46.20	UG/L	98
6)	Chloroethane	4.27	64.0	9307	38.58	UG/L	97
7)	Trichlorofluoromethane	4.93	101.0	32005	46.24	UG/L	96
8)	Acrolein	6.41	56.0	14197	236.12	UG/L	96
9)	1,1-Dichloroethene	6.41	96.0	34577	55.57	UG/L	93
10)	Acetone	6.92	43.0	219063	261.14	UG/L	97
11)	Carbon disulfide	6.74	76.0	107088	51.45	UG/L	98
12)	Methylene chloride	7.93	84.0	20190	50.76	UG/L	91
13)	trans-1,2-Dichloroethene	8.50	96.0	34783	51.04	UG/L	97
14)	Acrylonitrile	8.67	53.0	82612	267.94	UG/L	91
15)	1,1-Dichloroethane	9.51	63.0	71937	49.69	UG/L	97
16)	Vinyl acetate	9.85	43.0	115082	104.39	UG/L	100
17)	2,2-Dichloropropane	10.73	77.0	52644	44.38	UG/L	98
18)	cis-1,2-Dichloroethene	10.80	96.0	48869	48.79	UG/L	96
19)	2-Butanone	11.01	43.0	244980	240.96	UG/L	69
20)	Bromochloromethane	11.28	128.0	23875	47.73	UG/L	99
21)	Chloroform	11.57	83.0	88240	50.79	UG/L	93
22)	1,1,1-Trichloroethane	11.74	97.0	61305	54.56	UG/L	96
23)	Carbon tetrachloride	12.03	117.0	47430	58.15	UG/L	96
24)	1,1-Dichloropropene	12.10	75.0	62626	55.43	UG/L	97
25)	BENZENE-D6	12.43	84.0	32964	9.75	UG/L	97
26)	Benzene	12.50	78.0	171461	49.67	UG/L	99
27)	1,2-Dichloroethane	12.64	62.0	72923	51.38	UG/L	99
28)	*TOLUENE-D8	16.27	98.0	27701	10.00	UG/L	97
29)	Trichloroethene	13.85	95.0	49153	54.78	UG/L	85
30)	1,2-Dichloropropane	14.30	63.0	53500	50.21	UG/L	96
31)	Dibromomethane	14.54	174.0	31943	46.21	UG/L	98
33)	Bromodichloromethane	14.93	83.0	60636	49.29	UG/L	99
34)	cis-1,3-Dichloropropene	15.82	75.0	35889	24.34	UG/L	94
35)	Toluene	16.39	92.0	90602	49.30	UG/L	95
36)	4-Methyl-2-pentanone	16.21	43.0	138515	98.63	UG/L	85
37)	trans-1,3-Dichloropropene	16.99	75.0	26768	23.11	UG/L	96
38)	Tetrachloroethene	17.46	166.0	40786	50.88	UG/L	96
39)	1,1,2-Trichloroethane	17.33	132.0	3342	46.28	UG/L	99
40)	1,3-Dichloropropane	17.63	76.0	71680	50.65	UG/L	99
41)	2-Hexanone	17.90	43.0	111632	83.22	UG/L	85

Operator ID: KELLY Quant Rev: 7 Quant Time: 921216 10:14
Output File: ^AG057::D3 Injected at: 921216 09:23
Data File: >AG057::D6 Dilution Factor: 1.00000
Name: 50 PPB CC STD. Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE

ID File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AL
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

	Compound	R.T.	Q ion	Area	Conc	Units	q
42)	Dibromochloromethane	18.06	129.0	42134	48.95	UG/L	95
43)	1,2-Dibromoethane	18.21	107.0	42622	50.17	UG/L	99
44)	*CHLOROBENZENE-D5	19.19	117.0	18975	10.00	UG/L	96
45)	Chlorobenzene	19.24	112.0	94691	49.98	UG/L	91
46)	1,1,1,2-Tetrachloroethane	19.47	131.0	32880	50.02	UG/L	95
47)	Ethylbenzene	19.52	91.0	165618	53.60	UG/L	94
48)	m &/or p-Xylene	19.78	106.0	111731	104.22	UG/L	79
49)	o-Xylene	20.59	106.0	56792	51.28	UG/L	93
50)	Styrene	20.64	104.0	77321	50.76	UG/L	92
51)	Bromoform	21.00	173.0	27204	50.25	UG/L	97
52)	Isopropylbenzene	21.41	105.0	153316	53.98	UG/L	94
53)	p-BROMOFLUOROBENZENE	21.72	174.0	8020	9.33	UG/L	95
54)	Bromobenzene	21.97	156.0	39199	48.97	UG/L	98
55)	1,2,3-Trichloropropane	22.21	75.0	42075	54.87	UG/L	85
56)	1,1,2,2-Tetrachloroethane	22.19	83.0	50061	49.02	UG/L	99
57)	n-Propylbenzene	22.30	120.0	37334	53.68	UG/L	98
58)	2-Chlorotoluene	22.43	126.0	35060	50.33	UG/L	90
59)	4-Chlorotoluene	22.68	126.0	34416	50.12	UG/L	86
60)	1,3,5-Trimethylbenzene	22.72	105.0	123290	52.86	UG/L	85
61)	tert-Butylbenzene	23.39	119.0	99149	53.46	UG/L	78
62)	1,2,4-Trimethylbenzene	23.51	105.0	127069	52.61	UG/L	87
63)	sec-Butylbenzene	23.88	105.0	165226	56.60	UG/L	92
64)	1,3-Dichlorobenzene	24.05	146.0	69924	50.76	UG/L	93
65)	1,4-Dichlorobenzene	24.27	146.0	56165	50.85	UG/L	93
66)	p-Isopropyltoluene	24.24	119.0	121933	54.34	UG/L	89
67)	1,2-DICHLOROBENZENE-D4	25.02	152.0	8555	9.78	UG/L	96
68)	1,2-Dichlorobenzene	25.06	146.0	67080	50.77	UG/L	91
69)	n-Butylbenzene	25.15	91.0	143561	57.30	UG/L	87
70)	1,2-Dibromo-3-chloropropane	26.86	157.0	8924	50.63	UG/L	99
71)	1,2,4-Trichlorobenzene	28.68	180.0	44523	51.04	UG/L	96
72)	Naphthalene	29.20	128.0	83933	57.31	UG/L	100
73)	Hexachlorobutadiene	29.12	225.0	36367	56.08	UG/L	97
74)	1,2,3-Trichlorobenzene	29.76	180.0	42041	53.33	UG/L	97

* Compound is ISTD



Data File: >AG057::D6 Quant Output File: ^AG057::D3
Name: 50 PPB CC STD. Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE

Id File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

Operator ID: KELLY
Quant Time : 921216 10:14
Injected at: 921216 09:23

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Instrument ID: HP MS Calibration Date: 12/18/92 Time: 13:30

Lab File ID: >AG076 Init. Calib. Date(s):12/08/92 --/--/--

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = ~~25.0%~~ 30%

ag 1/13/93

COMPOUND		$\overline{RRF}$	RRF50	%D	
Dichlorodifluoromethane		.181	.187	3.3	
Chloromethane	#	.245	.284	15.8	#
Vinyl chloride	*	.231	.263	14.0	*
Bromomethane		.110	.117	6.8	
Chloroethane		.063	.071	11.8	
Trichlorofluoromethane		.288	.249	13.6	
Acrolein		.016	.020	24.1	
1,1-Dichloroethene	*	.218	.255	16.8	*
Acetone		.241	.321	33.1	
Carbon disulfide		.673	.782	16.2	
Methylene chloride		.114	.147	29.7	
trans-1,2-Dichloroethene		.214	.252	17.6	
Acrylonitrile		.093	.125	34.0	
1,1-Dichloroethane	#	.441	.533	20.8	#
Vinyl acetate		.257	.484	88.2	
2,2-Dichloropropane		.352	.471	33.8	
cis-1,2-Dichloroethene		.270	.358	32.7	
2-Butanone		.269	.351	30.5	
Bromochloromethane		.134	.169	26.7	
Chloroform	*	.477	.630	31.9	*
1,1,1-trichloroethane		.337	.441	30.8	
Carbon tetrachloride		.255	.327	28.2	
1,1-Dichloropropene		.350	.459	30.9	
Benzene		.904	1.256	39.0	
1,2-Dichloroethane	*	.394	.538	36.6	*
Trichloroethene		.339	.365	7.8	
1,2-Dichloropropane		.339	.423	24.7	
Dibromomethane		.211	.236	11.8	
Bromodichloromethane		.376	.472	25.7	
cis-1,3-dichloropropene		.436	.556	27.5	
Toluene	*	.571	.700	22.6	*
4-Methyl-2-pentanone		.410	.555	35.3	
trans-1,3-Dichloropropene		.532	.450	27.9	
Tetrachloroethene		.273	.303	11.0	
1,1,2-Trichloroethane		.023	.025	9.9	
1,3-Dichloropropane		.440	.558	26.6	
2-Hexanone		.357	.440	23.1	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Instrument ID: HP MS Calibration Date: 12/18/92 Time: 13:30

Lab File ID: >AG076 Init. Calib. Date(s):12/08/92 --/--/--

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = ~~25.0%~~ 30%

ag 1/13/93

COMPOUND		$\overline{RRF}$	RRF50	%D	
Dibromochloromethane		.256	.319	24.7	
1,2-Dibromoethane		.256	.328	28.1	
Chlorobenzene	#	.895	1.074	19.9	#
1,1,1,2-Tetrachloroethane		.289	.377	30.3	
Ethylbenzene	*	1.488	1.885	26.7	*
m &/or p-Xylene		.502	.639	27.3	
o-Xylene		.516	.654	26.6	
Styrene		.697	.894	28.2	
Bromoform	#	.234	.296	26.1	#
Isopropylbenzene		1.388	1.739	25.3	
Bromobenzene		.384	.437	13.9	
1,2,3-Trichloropropane		.353	.488	38.4	
1,1,2,2-Tetrachloroethane		.357	.607	70.3	
n-Propylbenzene		.343	.421	22.6	
2-Chlorotoluene		.334	.391	17.0	
4-Chlorotoluene		.322	.389	20.9	
1,3,5-Trimethylbenzene		1.060	1.417	33.6	
tert-Butylbenzene		.914	1.123	22.9	
1,2,4-Trimethylbenzene		1.063	1.425	34.1	
sec-Butylbenzene		1.497	1.888	26.2	
1,3-Dichlorobenzene		.661	.783	18.6	
1,4-Dichlorobenzene		.523	.634	21.3	
p-Isopropyltoluene		1.078	1.379	28.0	
1,2-Dichlorobenzene		.631	.749	18.7	
n-Butylbenzene		1.226	1.627	32.7	
1,2-Dibromo-3-chloropropane		.064	.098	53.6	
1,2,4-Trichlorobenzene		.381	.469	23.3	
Naphthalene		.612	.854	39.6	
Hexachlorobutadiene		.336	.384	14.2	
1,2,3-Trichlorobenzene		.354	.432	21.7	
Benzene-d6		.980	1.113	13.5	
p-Bromofluorobenzene		.439	.409	6.8	
1,2-Dichlorobenzene-d4		.455	.431	5.4	

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 930106 10:12

Check Standard Data File: >AG076
Injection Time: 921218 13:30

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
Dichlorodifluoromethane	.18084	.18675	3.27	Average	
Chloromethane	.24488	.28370	15.85	Average	
Vinyl chloride	.23098	.26345	14.06	Average	
Bromomethane	.10973	.11721	6.82	Average	
Chloroethane	.06317	.07063	11.82	Average	
Trichlorofluoromethane	.28765	.24853	13.60	Average	
Acrolein	.01637	.02035	24.26	Average	(Conc=250.00)
1,1-Dichloroethane	.21837	.25516	16.84	Average	
Acetone	.24086	.32064	33.12	Average	(Conc=250.00)
Carbon disulfide	.67300	.78197	16.19	Average	
Methylene chloride	.11356	.14734	29.74	Average	
trans-1,2-Dichloroethene	.21432	.25212	17.64	Average	
Acrylonitrile	.09330	.12499	33.97	Average	(Conc=250.00)
1,1-Dichloroethane	.44078	.53253	20.81	Average	
Vinyl acetate	.25744	.48446	88.18	Average	(Conc=100.00)
2,2-Dichloropropane	.35191	.47084	33.80	Average	
cis-1,2-Dichloroethene	.26994	.35827	32.72	Average	
2-Butanone	.26863	.35052	30.48	Average	(Conc=250.00)
Bromochloromethane	.13360	.16923	26.67	Average	
Chloroform	.47735	.62976	31.93	Average	
1,1,1-Trichloroethane	.33736	.44129	30.81	Average	
Carbon tetrachloride	.25472	.32658	28.21	Average	
1,1-Dichloropropene	.35043	.45853	30.85	Average	
BENZENE-D6	.98031	1.11286	13.52	Average	(Conc=10.00)
Benzene	.90379	1.25604	38.98	Average	
1,2-Dichloroethane	.39432	.53843	36.55	Average	
Trichloroethene	.33903	.36531	7.75	Average	
1,2-Dichloropropane	.33922	.42287	24.66	Average	
Dibromomethane	.21127	.23624	11.82	Average	
2-Chloroethyl vinylether	-	-	-	Average	
Bromodichloromethane	.37568	.47244	25.76	Average	
cis-1,3-Dichloropropene	.43592	.55587	27.52	Average	(Conc=25.20)
Toluene	.57094	.69999	22.60	Average	
4-Methyl-2-pentanone	.41026	.55530	35.35	Average	(Conc=100.00)
trans-1,3-Dichloropropene	.35179	.45000	27.91	Average	(Conc=22.30)
Tetrachloroethene	.27284	.30284	11.00	Average	
1,1,2-Trichloroethane	.02264	.02483	9.70	Average	
1,3-Dichloropropane	.44040	.55770	26.63	Average	
2-Hexanone	.35738	.44006	23.14	Average	(Conc=100.00)
Dibromochloromethane	.25554	.31865	24.70	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 930106 10:12

Check Standard Data File: >AG076
Injection Time: 921218 13:30

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
1,2-Dibromoethane	.25633	.32833	28.09	Average	
Chlorobenzene	.89531	1.07393	19.95	Average	
1,1,1,2-Tetrachloroethane	.28949	.37724	30.31	Average	
Ethylbenzene	1.48838	1.88542	26.68	Average	
m &/or p-Xylene	.50212	.63896	27.25	Average	(Conc=100.00)
o-Xylene	.51651	.65372	26.57	Average	
Styrene	.69721	.89371	28.18	Average	
Bromoform	.23430	.29553	26.13	Average	
Isopropylbenzene	1.38806	1.73855	25.25	Average	
p-BROMOFLUOROBENZENE	.43872	.40908	6.76	Average	(Conc=10.00)
Bromobenzene	.38382	.43729	13.93	Average	
1,2,3-Trichloropropane	.35272	.48823	38.42	Average	
1,1,2,2-Tetrachloroethane	.35675	.60731	70.24	Average	
n-Propylbenzene	.34304	.42052	22.58	Average	
2-Chlorotoluene	.33432	.39110	16.98	Average	
4-Chlorotoluene	.32158	.38879	20.90	Average	
1,3,5-Trimethylbenzene	1.06025	1.41679	33.63	Average	
tert-Butylbenzene	.91363	1.12288	22.90	Average	
1,2,4-Trimethylbenzene	1.06327	1.42536	34.06	Average	
sec-Butylbenzene	1.49704	1.88853	26.15	Average	
1,3-Dichlorobenzene	.66067	.78348	18.59	Average	
1,4-Dichlorobenzene	.52248	.63382	21.31	Average	
p-Isopropyltoluene	1.07805	1.37945	27.96	Average	
1,2-DICHLOROBENZENE-D4	.45522	.43080	5.36	Average	(Conc=10.00)
1,2-Dichlorobenzene	.63142	.74921	18.66	Average	
n-Butylbenzene	1.22635	1.62715	32.68	Average	
1,2-Dibromo-3-chloropropane	.06386	.09815	53.68	Average	
1,2,4-Trichlorobenzene	.38059	.46943	23.34	Average	
Naphthalene	.61186	.85441	39.64	Average	
Hexachlorobutadiene	.33641	.38402	14.15	Average	
1,2,3-Trichlorobenzene	.35447	.43156	21.75	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

QUANT REPORT

Operator ID: KELLY
Quant Rev: 7
Quant Time: 921218 14:03
Output File: ^AG076::D3
Injected at: 921218 13:30
Data File: >AG076::D6
Dilution Factor: 1.00000
Name: 50 PPB CC STD.
Instrument ID: HP MSD#1
Misc: 12/18/92 HP MS#4

ID File: IDAG1D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22
Last Qcal Time: 921216 09:23

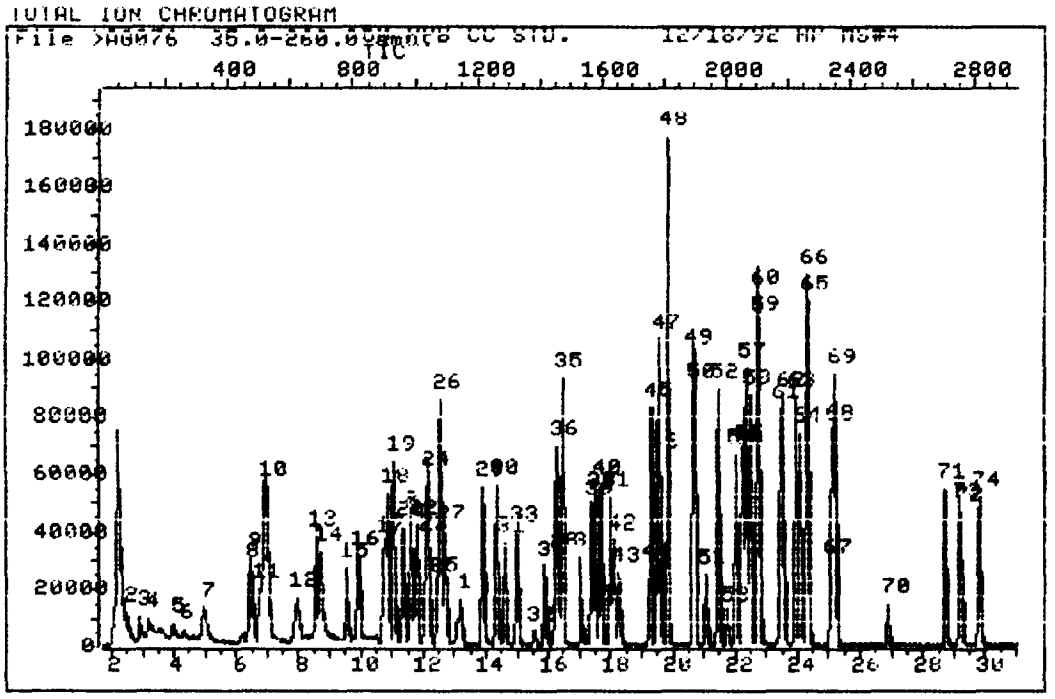
	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.15	96.0	27972	10.00	UG/L	98
2)	Dichlorodifluoromethane	2.50	85.0	26119	57.15	UG/L	98
3)	Chloromethane	2.89	50.0	39678	54.31	UG/L	90
4)	Vinyl chloride	3.17	62.0	36846	55.95	UG/L	97
5)	Bromomethane	3.96	94.0	16393	57.93	UG/L	98
6)	Chloroethane	4.27	64.0	9879	57.37	UG/L	95
7)	Trichlorofluoromethane	4.96	101.0	34759	58.70	UG/L	95
8)	Acrolein	6.41	56.0	14228	270.82	UG/L	99
9)	1,1-Dichloroethene	6.43	96.0	35686	55.78	UG/L	95
10)	Acetone	6.95	43.0	224222	276.60	UG/L	97
11)	Carbon disulfide	6.75	76.0	109367	55.20	UG/L	99
12)	Methylene chloride	7.94	84.0	20607	55.16	UG/L	88
13)	trans-1,2-Dichloroethene	8.52	96.0	35261	54.79	UG/L	92
14)	Acrylonitrile	8.69	53.0	87403	285.91	UG/L	92
15)	1,1-Dichloroethane	9.52	63.0	74479	55.96	UG/L	95
16)	Vinyl acetate	9.87	43.0	135514	127.29	UG/L	100
17)	2,2-Dichloropropane	10.73	77.0	65852	67.61	UG/L	98
18)	cis-1,2-Dichloroethene	10.82	96.0	50107	55.42	UG/L	93
19)	2-Butanone	11.03	43.0	245118	270.39	UG/L	69
20)	Bromochloromethane	11.32	128.0	23669	53.58	UG/L	96
21)	Chloroform	11.59	83.0	88078	53.95	UG/L	94
22)	1,1,1-Trichloroethane	11.77	97.0	61719	54.41	UG/L	95
23)	Carbon tetrachloride	12.06	117.0	45675	52.05	UG/L	96
24)	1,1-Dichloropropene	12.13	75.0	64130	55.34	UG/L	96
25)	BENZENE-D6	12.45	84.0	31129	10.21	UG/L	99
26)	Benzene	12.53	78.0	175670	55.37	UG/L	99
27)	1,2-Dichloroethane	12.67	62.0	75305	55.81	UG/L	96
28)	*TOLUENE-D8	16.29	98.0	26073	10.00	UG/L	90
29)	Trichloroethene	13.87	95.0	47623	51.47	UG/L	84
30)	1,2-Dichloropropane	14.32	63.0	55127	54.74	UG/L	97
31)	Dibromomethane	14.57	174.0	30797	51.22	UG/L	98
32)	2-Chloroethyl vinylether	15.48	63.0	1078	1078.00	NO CALIB	85
33)	Bromodichloromethane	14.96	83.0	61589	53.96	UG/L	97
34)	cis-1,3-Dichloropropene	15.85	75.0	36523	27.25	UG/L	91
35)	Toluene	16.42	92.0	91254	53.50	UG/L	94
36)	4-Methyl-2-pentanone	16.24	43.0	144784	111.05	UG/L	83
37)	trans-1,3-Dichloropropene	17.02	75.0	26164	23.18	UG/L	98
38)	Tetrachloroethene	17.46	166.0	39480	51.42	UG/L	99
39)	1,1,2-Trichloroethane	17.35	132.0	3237	51.45	UG/L	94
40)	1,3-Dichloropropane	17.64	76.0	72704	53.88	UG/L	98

Operator ID: KELLY Quant Rev: 7 Quant Time: 921218 14:03
Output File: ^AG076::D3 Injected at: 921218 13:30
Data File: >AG076::D6 Dilution Factor: 1.00000
Name: 50 PPB CC STD. Instrument ID: HP MSD#1
Misc: 12/18/92 HP MS#4

ID File: IDAG1D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

	Compound	R.T.	Q ion	Area	Conc	Units	q
41)	2-Hexanone	17.93	43.0	114736	109.20	UG/L	86
42)	Dibromochloromethane	18.09	129.0	41541	52.37	UG/L	99
43)	1,2-Dibromoethane	18.23	107.0	42803	53.35	UG/L	97
44)	*CHLOROBENZENE-D5	19.21	117.0	17586	10.00	UG/L	93
45)	Chlorobenzene	19.27	112.0	94431	53.80	UG/L	87
46)	1,1,1,2-Tetrachloroethane	19.49	131.0	33171	54.41	UG/L	96
47)	Ethylbenzene	19.54	91.0	165785	54.00	UG/L	94
48)	m &/or p-Xylene	19.80	106.0	112367	108.51	UG/L	78
49)	o-Xylene	20.61	106.0	57482	54.60	UG/L	91
50)	Styrene	20.67	104.0	78584	54.83	UG/L	91
51)	Bromoform	21.02	173.0	25986	51.53	UG/L	97
52)	Isopropylbenzene	21.43	105.0	152871	53.79	UG/L	93
53)	p-BROMOFLUOROBENZENE	21.73	174.0	7194	9.68	UG/L	96
54)	Bromobenzene	21.99	156.0	38451	52.92	UG/L	97
55)	1,2,3-Trichloropropane	22.23	75.0	42930	55.05	UG/L	84
56)	1,1,2,2-Tetrachloroethane	22.21	83.0	53481	52.55	UG/L	98
57)	n-Propylbenzene	22.33	120.0	36976	53.43	UG/L	98
58)	2-Chlorotoluene	22.45	126.0	34389	52.92	UG/L	88
59)	4-Chlorotoluene	22.69	126.0	34186	53.59	UG/L	85
60)	1,3,5-Trimethylbenzene	22.73	105.0	124528	54.53	UG/L	83
61)	tert-Butylbenzene	23.41	119.0	98735	53.72	UG/L	82
62)	1,2,4-Trimethylbenzene	23.53	105.0	125332	53.21	UG/L	89
63)	sec-Butylbenzene	23.90	105.0	166058	54.22	UG/L	90
64)	1,3-Dichlorobenzene	24.08	146.0	68891	53.15	UG/L	90
65)	1,4-Dichlorobenzene	24.29	146.0	55732	53.53	UG/L	94
66)	p-Isopropyltoluene	24.27	119.0	121295	53.67	UG/L	88
67)	1,2-DICHLOROBENZENE-D4	25.04	152.0	7576	9.56	UG/L	94
68)	1,2-Dichlorobenzene	25.08	146.0	65878	52.98	UG/L	95
69)	n-Butylbenzene	25.18	91.0	143075	53.77	UG/L	88
70)	1,2-Dibromo-3-chloropropane	26.88	157.0	8630	52.17	UG/L	91
71)	1,2,4-Trichlorobenzene	28.70	180.0	41277	50.02	UG/L	96
72)	Naphthalene	29.22	128.0	75128	48.29	UG/L	100
73)	Hexachlorobutadiene	29.14	225.0	33767	50.09	UG/L	96
74)	1,2,3-Trichlorobenzene	29.78	180.0	37947	48.70	UG/L	96

* Compound is ISTD



Data File: >AG076::D6 Quant Output File: ^AG076::D3
Name: 50 PPB CC STD. Instrument ID: HP MSD#1
Misc: 12/18/92 HP MS#4

Id File: IDAG1D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

Operator ID: KELLY
Quant Time : 921218 14:03
Injected at: 921218 13:30

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Instrument ID: HP MS Calibration Date: 12/22/92 Time: 12:27

Lab File ID: >AG085 Init. Calib. Date(s):12/08/92 --/--/--

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = ~~25.0%~~ 30%

ag 1/13/93

COMPOUND		$\overline{RRF}$	RRF50	%D	
Dichlorodifluoromethane		.181	.146	19.3	
Chloromethane	#	.245	.228	7.0	#
Vinyl chloride	*	.231	.240	3.8	*
Bromomethane		.110	.110	.2	
Chloroethane		.063	.069	9.0	
Trichlorofluoromethane		.288	.230	19.9	
Acrolein		.016	.010	39.5	
1,1-Dichloroethene	*	.218	.223	2.1	*
Acetone		.241	.210	12.8	
Carbon disulfide		.673	.668	.7	
Methylene chloride		.114	.128	13.0	
trans-1,2-Dichloroethene		.214	.215	.1	
Acrylonitrile		.093	.109	17.4	
1,1-Dichloroethane	#	.441	.459	4.2	#
Vinyl acetate		.257	.258	.4	
2,2-Dichloropropane		.352	.280	20.4	
cis-1,2-Dichloroethene		.270	.227	15.8	
2-Butanone		.269	.273	1.5	
Bromochloromethane		.134	.144	8.0	
Chloroform	*	.477	.548	14.7	*
1,1,1-trichloroethane		.337	.369	9.5	
Carbon tetrachloride		.255	.305	19.7	
1,1-Dichloropropene		.350	.382	8.9	
Benzene		.904	1.049	16.1	
1,2-Dichloroethane	*	.394	.450	14.2	*
Trichloroethene		.339	.506	49.1	
1,2-Dichloropropane		.339	.368	8.6	
Dibromomethane		.211	.212	.4	
Bromodichloromethane		.376	.384	2.3	
cis-1,3-dichloropropene		.436	.462	5.9	
Toluene	*	.571	.599	5.0	*
4-Methyl-2-pentanone		.410	.492	19.8	
trans-1,3-Dichloropropene		.352	.389	10.6	
Tetrachloroethene		.273	.264	3.4	
1,1,2-Trichloroethane		.023	.021	6.2	
1,3-Dichloropropane		.440	.474	7.6	
2-Hexanone		.357	.436	22.1	

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Instrument ID: HP MS Calibration Date: 12/22/92 Time: 12:27

Lab File ID: >AG085 Init. Calib. Date(s):12/08/92 --/--/--

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = ~~25.0%~~ 30%

ag 1/13/93

COMPOUND		$\overline{RRF}$	RRF50	%D	
Dibromochloromethane		.256	.260	1.8	
1,2-Dibromoethane		.256	.284	10.9	
Chlorobenzene	#	.895	.911	1.7	#
1,1,1,2-Tetrachloroethane		.289	.265	8.3	
Ethylbenzene	*	1.488	1.562	4.9	*
m &/or p-Xylene		.502	.535	6.5	
o-Xylene		.516	.540	4.6	
Styrene		.697	.746	7.0	
Bromoform	#	.234	.234	.2	#
Isopropylbenzene		1.388	1.459	5.1	
Bromobenzene		.384	.371	3.3	
1,2,3-Trichloropropane		.353	.409	16.0	
1,1,2,2-Tetrachloroethane		.357	.054	84.7	
n-Propylbenzene		.343	.348	1.3	
2-Chlorotoluene		.334	.330	1.4	
4-Chlorotoluene		.322	.329	2.3	
1,3,5-Trimethylbenzene		1.060	1.166	10.0	
tert-Butylbenzene		.914	.926	1.4	
1,2,4-Trimethylbenzene		1.063	1.207	13.5	
sec-Butylbenzene		1.497	1.554	3.8	
1,3-Dichlorobenzene		.661	.660	.1	
1,4-Dichlorobenzene		.523	.534	2.3	
p-Isopropyltoluene		1.078	1.144	6.1	
1,2-Dichlorobenzene		.631	.635	.6	
n-Butylbenzene		1.226	1.347	9.8	
1,2-Dibromo-3-chloropropane		.064	.038	39.9	
1,2,4-Trichlorobenzene		.381	.411	8.0	
Naphthalene		.612	.793	29.7	
Hexachlorobutadiene		.336	.303	10.1	
1,2,3-Trichlorobenzene		.354	.383	8.1	
Benzene-d6		.980	1.069	9.1	
p-Bromofluorobenzene		.439	.419	4.6	
1,2-Dichlorobenzene-d4		.455	.448	1.5	

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 930106 10:12

Check Standard Data File: >AG085
Injection Time: 921222 12:27

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
Dichlorodifluoromethane	.18084	.14597	19.28	Average	
Chloromethane	.24488	.22771	7.01	Average	
Vinyl chloride	.23098	.23977	3.81	Average	
Bromomethane	.10973	.10989	.15	Average	
Chloroethane	.06317	.06888	9.04	Average	
Trichlorofluoromethane	.28765	.23049	19.87	Average	
Acrolein	.01637	.00992	39.40	Average	(Conc=250.00)
1,1-Dichloroethene	.21837	.22288	2.06	Average	
Acetone	.24086	.21018	12.74	Average	(Conc=250.00)
Carbon disulfide	.67300	.66814	.72	Average	
Methylene chloride	.11356	.12836	13.03	Average	
trans-1,2-Dichloroethene	.21432	.21461	.13	Average	
Acrylonitrile	.09330	.10949	17.36	Average	(Conc=250.00)
1,1-Dichloroethane	.44078	.45911	4.16	Average	
Vinyl acetate	.25744	.25849	.41	Average	(Conc=100.00)
2,2-Dichloropropane	.35191	.28023	20.37	Average	
cis-1,2-Dichloroethene	.26994	.22715	15.85	Average	
2-Butanone	.26863	.27263	1.49	Average	(Conc=250.00)
Bromochloromethane	.13360	.14434	8.03	Average	
Chloroform	.47735	.54764	14.73	Average	
1,1,1-Trichloroethane	.33736	.36944	9.51	Average	
Carbon tetrachloride	.25472	.30491	19.70	Average	
1,1-Dichloropropene	.35043	.38155	8.88	Average	
BENZENE-D6	.98031	1.06916	9.06	Average	(Conc=10.00)
Benzene	.90379	1.04928	16.10	Average	
1,2-Dichloroethane	.39432	.45044	14.23	Average	
Trichloroethene	.33903	.50553	49.11	Average	
1,2-Dichloropropane	.33922	.36831	8.57	Average	
Dibromomethane	.21127	.21207	.38	Average	
2-Chloroethyl vinylether	-	-	-	Average	
Bromodichloromethane	.37568	.38442	2.33	Average	
cis-1,3-Dichloropropene	.43592	.46155	5.88	Average	(Conc=25.20)
Toluene	.57094	.59927	4.96	Average	
4-Methyl-2-pentanone	.41026	.49159	19.82	Average	(Conc=100.00)
trans-1,3-Dichloropropene	.35179	.38926	10.65	Average	(Conc=22.30)
Tetrachloroethene	.27284	.26354	3.41	Average	
1,1,2-Trichloroethane	.02264	.02121	6.28	Average	
1,3-Dichloropropane	.44040	.47366	7.55	Average	
2-Hexanone	.35738	.43631	22.09	Average	(Conc=100.00)
Dibromochloromethane	.25554	.26017	1.81	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

Calibration Check Report

Title: VOC 74 COMPOUNDS
Calibrated: 930106 10:12

Check Standard Data File: >AG085
Injection Time: 921222 12:27

Compound	$\overline{RF}$	RF	%Diff	Calib Meth	
1,2-Dibromoethane	.25633	.28413	10.84	Average	
Chlorobenzene	.89531	.91093	1.74	Average	
1,1,1,2-Tetrachloroethane	.28949	.26548	8.29	Average	
Ethylbenzene	1.48838	1.56185	4.94	Average	
m &/or p-Xylene	.50212	.53455	6.46	Average	(Conc=100.00)
o-Xylene	.51651	.54038	4.62	Average	
Styrene	.69721	.74588	6.98	Average	
Bromoform	.23430	.23392	.16	Average	
Isopropylbenzene	1.38806	1.45887	5.10	Average	
p-BROMOFLUOROBENZENE	.43872	.41859	4.59	Average	(Conc=10.00)
Bromobenzene	.38382	.37113	3.31	Average	
1,2,3-Trichloropropane	.35272	.40904	15.97	Average	
1,1,2,2-Tetrachloroethane	.35675	.05446	84.73	Average	
n-Propylbenzene	.34304	.34758	1.32	Average	
2-Chlorotoluene	.33432	.32974	1.37	Average	
4-Chlorotoluene	.32158	.32899	2.31	Average	
1,3,5-Trimethylbenzene	1.06025	1.16628	10.00	Average	
tert-Butylbenzene	.91363	.92607	1.36	Average	
1,2,4-Trimethylbenzene	1.06327	1.20701	13.52	Average	
sec-Butylbenzene	1.49704	1.55403	3.81	Average	
1,3-Dichlorobenzene	.66067	.65988	.12	Average	
1,4-Dichlorobenzene	.52248	.53433	2.27	Average	
p-Isopropyltoluene	1.07805	1.14352	6.07	Average	
1,2-DICHLOROBENZENE-D4	.45522	.44842	1.49	Average	(Conc=10.00)
1,2-Dichlorobenzene	.63142	.63494	.56	Average	
n-Butylbenzene	1.22635	1.34677	9.82	Average	
1,2-Dibromo-3-chloropropane	.06386	.03841	39.85	Average	
1,2,4-Trichlorobenzene	.38059	.41117	8.03	Average	
Naphthalene	.61186	.79342	29.68	Average	
Hexachlorobutadiene	.33641	.30259	10.05	Average	
1,2,3-Trichlorobenzene	.35447	.38329	8.13	Average	

RF - Response Factor from daily standard file at 50.00 UG/L

$\overline{RF}$ - Average Response Factor from Initial Calibration

%Diff - % Difference from original average or curve

QUANT REPORT

Operator ID: STEVE Quant Rev: 7 Quant Time: 921222 13:00
Output File: ^AG085::QT Injected at: 921222 12:27
Data File: >AG085::D6 Dilution Factor: 1.00000
Name: 50 PPB CC STD Instrument ID: HP MSD#1
Misc: 12/22/92 HP MS#4

ID File: IDAG1E::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921218 13:30

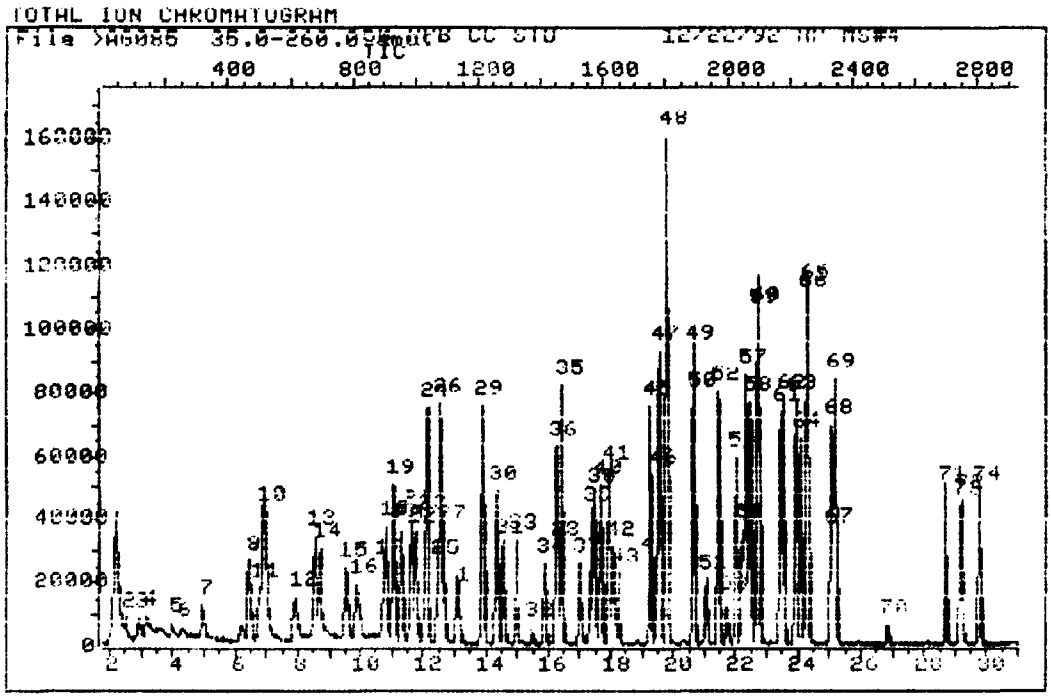
	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.14	96.0	29700	10.00	UG/L	99
2)	Dichlorodifluoromethane	2.50	85.0	21677	39.08	UG/L	98
3)	Chloromethane	2.89	50.0	33815	40.13	UG/L	97
4)	Vinyl chloride	3.15	62.0	35606	45.51	UG/L	99
5)	Bromomethane	3.94	94.0	16319	46.88	UG/L	97
6)	Chloroethane	4.27	64.0	10228	48.75	UG/L	95
7)	Trichlorofluoromethane	4.94	101.0	34228	46.37	UG/L	99
8)	Acrolein	6.42	56.0	7367	121.91	UG/L	87
9)	1,1-Dichloroethene	6.42	96.0	33098	43.68	UG/L	94
10)	Acetone	6.95	43.0	156060	163.88	UG/L	97
11)	Carbon disulfide	6.74	76.0	99219	42.72	UG/L	99
12)	Methylene chloride	7.92	84.0	19062	43.56	UG/L	88
13)	trans-1,2-Dichloroethene	8.52	96.0	31869	42.56	UG/L	95
14)	Acrylonitrile	8.68	53.0	81294	219.00	UG/L	90
15)	1,1-Dichloroethane	9.51	63.0	68178	43.11	UG/L	97
16)	Vinyl acetate	9.85	43.0	76771	53.36	UG/L	100
17)	2,2-Dichloropropane	10.71	77.0	41614	29.76	UG/L	93
18)	cis-1,2-Dichloroethene	10.81	96.0	33732	31.70	UG/L	96
19)	2-Butanone	11.01	43.0	202428	194.45	UG/L	70
20)	Bromochloromethane	11.30	128.0	21434	42.64	UG/L	99
21)	Chloroform	11.57	83.0	81325	43.48	UG/L	94
22)	1,1,1-Trichloroethane	11.74	97.0	54862	41.86	UG/L	95
23)	Carbon tetrachloride	12.04	117.0	45279	46.68	UG/L	91
24)	1,1-Dichloropropene	12.10	75.0	56660	41.61	UG/L	97
25)	BENZENE-D6	12.44	84.0	31754	9.61	UG/L	99
26)	Benzene	12.51	78.0	155818	41.77	UG/L	99
27)	1,2-Dichloroethane	12.65	62.0	66891	41.83	UG/L	97
28)	*TOLUENE-D8	16.27	98.0	27085	10.00	UG/L	91
29)	Trichloroethene	13.86	95.0	68462	69.19	UG/L	83
30)	1,2-Dichloropropane	14.31	63.0	49878	43.55	UG/L	92
31)	Dibromomethane	14.54	174.0	28719	44.88	UG/L	98
32)	2-Chloroethyl vinylether	15.48	63.0	2093	93.45	UG/L	96
33)	Bromodichloromethane	14.95	83.0	52060	40.68	UG/L	99
34)	cis-1,3-Dichloropropene	15.83	75.0	31503	20.92	UG/L	96
35)	Toluene	16.40	92.0	81156	42.81	UG/L	93
36)	4-Methyl-2-pentanone	16.21	43.0	133148	88.53	UG/L	86
37)	trans-1,3-Dichloropropene	16.99	75.0	23511	19.31	UG/L	98
38)	Tetrachloroethene	17.46	166.0	35690	43.51	UG/L	96
39)	1,1,2-Trichloroethane	17.34	132.0	2873	42.72	UG/L	94
40)	1,3-Dichloropropane	17.64	76.0	64146	42.47	UG/L	98

Operator ID: STEVE Quant Rev: 7 Quant Time: 921222 13:00
Output File: ^AG085::QT Injected at: 921222 12:27
Data File: >AG085::D6 Dilution Factor: 1.00000
Name: 50 PPB CC STD Instrument ID: HP MS041
Misc: 12/22/92 HP MS#4

ID File: IDAG1E::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AR
Last Calibration: 921130 16:22 Last Qcal Time: 921218 13:30

	Compound	R.T.	Q ion	Area	Conc	Units	q
41)	2-Hexanone	17.92	43.0	118174	99.19	UG/L	82
42)	Dibromochloromethane	18.07	129.0	35233	40.82	UG/L	99
43)	1,2-Dibromoethane	18.23	107.0	38478	43.27	UG/L	97
44)	*CHLOROBENZENE-D5	19.19	117.0	19009	10.00	UG/L	93
45)	Chlorobenzene	19.24	112.0	86579	42.41	UG/L	89
46)	1,1,1,2-Tetrachloroethane	19.47	131.0	25233	35.19	UG/L	97
47)	Ethylbenzene	19.52	91.0	148446	41.42	UG/L	93
48)	m &/or p-Xylene	19.78	106.0	101612	83.66	UG/L	79
49)	o-Xylene	20.60	106.0	51360	41.33	UG/L	89
50)	Styrene	20.66	104.0	70892	41.73	UG/L	92
51)	Bromoform	21.00	173.0	22233	39.58	UG/L	97
52)	Isopropylbenzene	21.41	105.0	138658	41.96	UG/L	93
53)	p-BROMOFLUOROBENZENE	21.72	174.0	7957	10.23	UG/L	99
54)	Bromobenzene	21.97	156.0	35274	42.44	UG/L	96
55)	1,2,3-Trichloropropane	22.21	75.0	38877	41.89	UG/L	77
56)	1,1,2,2-Tetrachloroethane	22.20	83.0	5176	4.48	UG/L	89
57)	n-Propylbenzene	22.31	120.0	33036	41.33	UG/L	99
58)	2-Chlorotoluene	22.43	126.0	31340	42.16	UG/L	88
59)	4-Chlorotoluene	22.68	126.0	31269	42.31	UG/L	87
60)	1,3,5-Trimethylbenzene	22.72	105.0	110849	41.16	UG/L	84
61)	tert-Butylbenzene	23.40	119.0	88018	41.24	UG/L	84
62)	1,2,4-Trimethylbenzene	23.52	105.0	114720	42.34	UG/L	86
63)	sec-Butylbenzene	23.88	105.0	147703	41.14	UG/L	91
64)	1,3-Dichlorobenzene	24.05	146.0	62718	42.11	UG/L	91
65)	1,4-Dichlorobenzene	24.26	146.0	50785	42.15	UG/L	95
66)	p-Isopropyltoluene	24.24	119.0	108686	41.45	UG/L	88
67)	1,2-DICHLOROBENZENE-D4	25.02	152.0	8524	10.41	UG/L	99
68)	1,2-Dichlorobenzene	25.06	146.0	60348	42.37	UG/L	92
69)	n-Butylbenzene	25.15	91.0	128004	41.38	UG/L	87
70)	1,2-Dibromo-3-chloropropane	26.86	157.0	3651	19.57	UG/L	99
71)	1,2,4-Trichlorobenzene	28.67	180.0	39080	43.79	UG/L	96
72)	Naphthalene	29.19	128.0	75411	46.43	UG/L	100
73)	Hexachlorobutadiene	29.12	225.0	28760	39.40	UG/L	98
74)	1,2,3-Trichlorobenzene	29.76	180.0	36430	44.41	UG/L	95

* Compound is ISTD



Data File: >AG085::D6 Quant Output File: ^AG085::QT
Name: 50 PPB CC STD Instrument ID: HP MSD#1
Misc: 12/22/92 HP MS#4

Id File: IDAG1E::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921218 13:30

Operator ID: STEVE
Quant Time : 921222 13:00
Injected at: 921222 12:27

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1077 SAS No.: NA SDG No.: NA

Instrument ID: INCOS1 Calibration date: 12/10/92 Time: 1119

Lab File ID: CC21210 Init. Calib. Date(s): 12/09/92 12/09/92

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

Min RRF15 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 35.0%

COMPOUND		$\overline{RRF}$	RRF15	%D	
Chloromethane	#	0.163	0.197	-20.9	#
Bromomethane		0.080	0.129	-61.3	
Vinyl Chloride	*	0.196	0.205	-4.6	*
Chloroethane		0.085	0.078	8.2	
Methylene Chloride		0.953	0.609	36.1	
Acetone		0.054	0.079	-46.3	
Acrolein		0.011	0.015	-36.4	
Carbon Disulfide		3.307	3.195	3.4	
Acrylonitrile		0.053	0.083	-56.6	
1,1-Dichloroethene	*	1.499	1.600	-6.7	*
1,1-Dichloroethane	#	2.406	2.888	-20.0	#
1,2-Dichloroethene (total)		1.600	1.772	-10.8	
Chloroform	*	2.590	3.115	-20.3	*
1,2-Dichloroethane		0.841	1.193	-41.9	
2-Butanone		0.012	0.018	-50.0	
1,1,1-Trichloroethane		0.749	0.761	-1.6	
Carbon Tetrachloride		0.628	0.613	2.4	
Vinyl acetate		0.253	0.369	-45.9	
Bromodichloromethane		0.730	0.832	-14.0	
1,2-Dichloropropane	*	0.584	0.626	-7.2	*
cis-1,3-Dichloropropene		0.662	0.778	-17.5	
Trichloroethene		0.909	0.836	8.0	
Dibromochloromethane		0.688	0.739	-7.4	
1,1,2-Trichloroethane		0.352	0.401	-13.9	
Benzene		1.537	1.539	-0.1	
Trans-1,3-Dichloropropene		0.462	0.557	-20.6	
2-Chloroethylvinylether		0.132	0.173	-31.1	
Bromoform	#	0.516	0.546	-5.8	#
4-Methyl-2-Pentanone		0.311	0.379	-21.9	
2-Hexanone		0.190	0.242	-27.4	
Tetrachloroethene		1.805	1.272	29.5	
1,1,2,2-Tetrachloroethane	#	0.627	0.646	-3.0	#
Toluene	*	2.094	1.699	18.9	*
Chlorobenzene	#	2.806	2.233	20.4	#
Ethylbenzene	*	1.500	1.182	21.2	*
Styrene		2.344	1.948	16.9	
M-Xylene		1.661	1.281	22.9	
O-&/or P-Xylene		1.599	1.261	21.1	
Toluene-d8		3.813	2.800	26.6	
Benzene-d6		1.157	1.078	6.8	
1,2-Dichloroethane-d4		0.557	0.734	-31.8	

PROCEDURE: TCA DIAGNOSTIC REPORT 12/10/92 12:08:59
DATA FILE: CC21210
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ------ ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	2	0	6	6	1	0	VP_IS/VP_SURR
3	3	1	0	12	12	2	54	VP_IS/VP_CMPDS1
3	3	1	0	12	12	1	30	VP_IS/VP_CMPDS2
3	3	1	0	12	12	1	30	VP_IS/VP_CMPDS3
3	3	1	0	14	13	1	37	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 43 FOUND

< COMPOUND ><			---------- SEARCH ----------					>< SAT ><		------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	280	281	281	.	1	957	.	128	281	.	1
2	VP	2	553	554	554	.	2	972	.	77	554	.	1
3	VP	3	673	674	674	.	1	983	.	55	674	.	1
4	VP	4	362	363	363	.	1	962	.	65	363	.	1
5	VP	5	506	507	507	.	1	972	.	84	507	.	1
6	VP	6	699	700	700	.	1	990	.	98	700	.	1
7	VP	7	51	52	52	.	2	985	.	50	52	.	1
8	VP	8	81	82	82	.	1	995	.	94	81	-1	1
9	VP	9	88	89	90	1	1	996	.	62	90	.	1
10	VP	10	120	121	121	.	1	998	.	64	121	.	1
11	VP	11	185	186	185	-1	1	980	.	84	185	.	1
12	VP	12	204	205	206	1	1	930	.	43	206	.	1
13	VP	13	207	208	208	.	1	963	.	56	207	-1	1
14	VP	14	229	230	230	.	1	997	.	76	230	.	1
15	VP	15	227	228	228	.	1	977	.	53	228	.	1
16	VP	16	265	266	266	.	1	953	.	96	266	.	1
17	VP	17	303	304	304	.	1	948	.	63	304	.	1
18	VP	18	326	327	326	-1	1	947	.	96	326	.	1
19	VP	19	343	344	344	.	1	938	.	83	344	.	1
20	VP	20	365	366	366	.	1	953	.	62	366	.	1
21	VP	21	363	364	364	.	1	995	.	72	364	.	1
22	VP	22	402	403	403	.	1	936	.	97	403	.	1
23	VP	23	402	403	403	.	1	950	.	117	403	.	1
24	VP	24	420	421	421	.	1	988	.	43	421	.	1
25	VP	25	430	431	431	.	1	959	.	83	431	.	1
26	VP	26	470	471	471	.	1	967	.	63	471	.	1
27	VP	27	478	479	479	.	1	949	.	75	479	.	1
28	VP	28	496	497	496	-1	1	937	.	130	496	.	1
29	VP	29	514	515	515	.	1	973	.	129	515	.	1
30	VP	30	517	518	518	.	1	979	.	97	518	.	1
31	VP	31	511	512	512	.	1	980	.	78	512	.	1
32	VP	32	516	517	517	.	1	931	.	75	518	1	1
33	VP	33	549	550	550	.	1	988	.	63	550	.	1
34	VP	34	595	596	596	.	1	947	.	173	596	.	1
35	VP	35	608	609	609	.	1	988	.	43	609	.	1
36	VP	36	655	656	656	.	1	946	.	43	656	.	1
37	VP	37	-666	667	.	.	.	.	.	164	667	.	1
38	VP	38	665	666	666	.	1	848	.	83	665	-1	1
39	VP	39	705	706	706	.	1	992	.	92	706	.	1
40	VP	40	739	740	741	1	1	978	.	112	740	-1	1
41	VP	41	797	798	798	.	1	993	.	106	798	.	1
42	VP	42	915	916	916	.	1	986	.	104	916	.	1
43	VP	44	922	923	923	.	1	996	.	106	923	.	1
44	VP	45	951	952	953	1	1	1000	.	106	953	.	1

Quantitation Report File: CC21210

Data: CC21210.TI
12/10/92 11:19:00
Sample: CLP,1077,,CC1210,L,W,,V,CC
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	281	9:22	1	1.000	A BB	65517.	10.000	UG/L	0.86
2	77	554	18:28	2	1.000	A BB	214553.	10.000	UG/L	0.86
3	55	674	22:28	3	1.000	A BB	143916.	10.000	UG/L	0.86
4	65	363	12:06	1	1.292	A BB	48104.	13.191	UG/L	1.14
5	84	507	16:54	2	0.915	A VB	231358.	9.320	UG/L	0.80
6	98	700	23:20	3	1.039	A BB	402898.	7.342	UG/L	0.63
7	50	52	1:44	1	0.185	A VB	38671.	36.246	UG/L	3.13
8	94	81	2:42	1	0.288	A VB	25297.	48.157	UG/L	4.16
9	62	90	3:00	1	0.320	A BB	40208.	31.260	UG/L	2.70
10	64	121	4:02	1	0.431	A BB	15360.	27.620	UG/L	2.38
11	84	185	6.10	1	0.658	A BB	59829.	9.585	UG/L	0.83
12	43	206	6:52	1	0.733	A BB	38654.	110.840	UG/L	9.57
13	56	207	6:54	1	0.737	A BB	7425	103.101	UG/L	8.90
14	76	230	7.40	1	0.819	A BB	313949.	14.488	UG/L	1.25
15	53	228	7:36	1	0.811	A BB	40600.	116.866	UG/L	10.09
16	96	266	8.52	1	0.947	A BB	157204	16.009	UG/L	1.38
17	63	304	10:08	1	1.082	A BB	283866.	18.012	UG/L	1.55
18	96	326	10:52	1	1.160	A BB	174131.	16.611	UG/L	1.43
19	83	344	11:28	1	1.224	A BB	306164.	18.041	UG/L	1.56
20	62	366	12.12	1	1.302	A BB	117198.	21.262	UG/L	1.83
21	72	364	12:08	2	0.657	A BB	28435.	109.639	UG/L	9.46
22	97	403	13.26	2	0.727	A BB	244824.	15.237	UG/L	1.31
23	117	403	13.26	2	0.727	A BV	45519.	3.380	UG/L	0.29
24	43	421	14.02	2	0.760	A BB	237288.	43.807	UG/L	3.78
25	83	431	14:22	2	0.778	A BB	267808.	17.100	UG/L	1.48
26	63	471	15:42	2	0.850	A BB	201379.	16.070	UG/L	1.39
27	75	479	15.58	2	0.865	A BB	405363.	28.535	UG/L	2.46
28	130	496	16:32	2	0.895	A BB	269033.	13.802	UG/L	1.19
29	129	515	17:10	2	0.930	A BB	237791.	16.100	UG/L	1.39
30	97	518	17:16	2	0.935	A BB	129084.	17.072	UG/L	1.47
31	78	512	17:04	2	0.924	A BB	495447.	15.019	UG/L	1.30
32	75	518	17:16	2	0.935	A BB	68127.	6.874	UG/L	0.59
33	63	550	18:20	2	0.993	A BB	55659.	19.610	UG/L	1.69
34	173	596	19:52	2	1.076	A BB	175724.	15.876	UG/L	1.37
35	43	609	20:18	3	0.904	A BB	163430.	36.524	UG/L	3.15
36	43	656	21:52	3	0.973	A BB	104678.	38.336	UG/L	3.31
37	164	667	22:14	3	0.990	A BB	274646.	10.575	UG/L	0.91
38	83	665	22:10	3	0.987	A BB	139486.	15.459	UG/L	1.33
39	92	706	23:32	3	1.047	A BB	366713.	12.167	UG/L	1.05
40	112	740	24:40	3	1.098	A BB	482090.	11.940	UG/L	1.03
41	106	798	26:36	3	1.184	A BB	255255.	11.825	UG/L	1.02
42	104	916	30:32	3	1.359	A BB	420437.	12.464	UG/L	1.08
43	106	923	30:46	3	1.369	A BB	276599.	11.573	UG/L	1.00
44	106	953	31:46	3	1.414	A BB	272156.	11.825	UG/L	1.02

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:20	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:04	1.00	1.293	1.00	13.19	10.00	0.734	0.557	1.32
5	16:52	1.00	0.915	1.00	9.32	10.00	1.078	1.157	0.93
6	23:18	1.00	1.039	1.00	7.34	10.00	2.800	3.813	0.73
7	1:42	1.02	0.182	1.02	36.25	30.00	0.197	0.163	1.21
8	2:40	1.01	0.286	1.01	48.16	30.00	0.129	0.080	1.61
9	2:56	1.02	0.314	1.02	31.26	30.00	0.205	0.196	1.04
10	4:00	1.01	0.429	1.00	27.62	30.00	0.078	0.085	0.92

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:10	1.00	0.661	1.00	9.58	15.00	0.609	0.953	0.64
12	6:48	1.01	0.729	1.01	110.84	75.00	0.079	0.053	1.48
13	6:54	1.00	0.739	1.00	103.10	75.00	0.015	0.011	1.37
14	7:38	1.00	0.818	1.00	14.49	15.00	3.195	3.307	0.97
15	7:34	1.00	0.811	1.00	116.87	75.00	0.083	0.053	1.56
16	8:50	1.00	0.946	1.00	16.01	15.00	1.600	1.499	1.07
17	10:06	1.00	1.082	1.00	18.01	15.00	2.888	2.405	1.20
18	10:50	1.00	1.161	1.00	16.61	15.00	1.772	1.600	1.11
19	11:26	1.00	1.225	1.00	18.04	15.00	3.115	2.590	1.20
20	12:10	1.00	1.304	1.00	21.26	15.00	1.193	0.841	1.42
21	12:06	1.00	0.656	1.00	109.64	75.00	0.018	0.012	1.46
22	13:24	1.00	0.727	1.00	15.24	15.00	0.761	0.749	1.02
23	13:24	1.00	0.727	1.00	3.38	15.00	0.141	0.628	0.23
24	14:00	1.00	0.759	1.00	43.81	30.00	0.369	0.252	1.46
25	14:20	1.00	0.778	1.00	17.10	15.00	0.832	0.730	1.14
26	15:40	1.00	0.850	1.00	16.07	15.00	0.626	0.584	1.07
27	15:56	1.00	0.864	1.00	28.54	24.30	0.778	0.662	1.17
28	16:30	1.00	0.895	1.00	13.80	15.00	0.836	0.909	0.92
29	17:08	1.00	0.929	1.00	16.10	15.00	0.739	0.688	1.07
30	17:14	1.00	0.935	1.00	17.07	15.00	0.401	0.352	1.14
31	17:02	1.00	0.924	1.00	15.02	15.00	1.539	1.537	1.00
32	17:14	1.00	0.935	1.00	6.87	5.70	0.557	0.462	1.21
33	18:18	1.00	0.993	1.00	19.61	15.00	0.173	0.132	1.31
34	19:50	1.00	1.076	1.00	15.88	15.00	0.546	0.516	1.06
35	20:16	1.00	0.903	1.00	36.52	30.00	0.379	0.311	1.22
36	21:50	1.00	0.973	1.00	38.34	30.00	0.242	0.190	1.28
37	22:12	1.00	0.990	1.00	10.58	15.00	1.272	1.805	0.71
38	22:08	1.00	0.987	1.00	15.46	15.00	0.646	0.627	1.03
39	23:30	1.00	1.048	1.00	12.17	15.00	1.699	2.094	0.81
40	24:38	1.00	1.098	1.00	11.94	15.00	2.233	2.805	0.80
41	26:34	1.00	1.184	1.00	11.82	15.00	1.182	1.500	0.79
42	30:30	1.00	1.360	1.00	12.46	15.00	1.948	2.344	0.83
43	30:44	1.00	1.370	1.00	11.57	15.00	1.281	1.661	0.77
44	31:42	1.00	1.413	1.00	11.83	15.00	1.261	1.599	0.79

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF1077 SAS No.: --- SDG No.: ---

Lab File ID (Standard): >AG007 Date Analyzed:12/08/92

Instrument ID: HP MS#4 Time Analyzed: 13:56

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(FBZ) AREA #	RT	IS2(TOL) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	32232.	13.13	30389.	16.27	21266.	19.19
	UPPER LIMIT	64464.	13.63	60778.	16.77	42532.	19.69
	LOWER LIMIT	16116.	12.63	15194.	15.77	10633.	18.69
	EPA SAMPLE NO.						
01	VOASTD5	27410.	13.05	26614.	16.25	18605.	19.19
02	VOASTD25	32249.	13.14	30524.	16.28	21597.	19.18
03	VOASTD50	32232.	13.13	30389.	16.27	21266.	19.19
04	VOASTD100	35571.	13.14	33242.	16.26	22527.	19.18
05	VOASTD150	34639.	13.14	31250.	16.27	20887.	19.18
06	120892BLK2	25130.	13.14	22626.	16.27	16230.	19.18
07	ICAL CHECK	30198.	13.14	28850.	16.28	20313.	19.18
08	120892BLK3	29779.	13.13	26614.	16.27	18687.	19.19
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IS1 (FBZ) = Fluorobenzene
IS2 (TOL) = Toluene-d8
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal stansard area.
LOWER LIMIT = - 50%
of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID (Standard): >AG016 Date Analyzed:12/09/92

Instrument ID: HP MS#4 Time Analyzed: 11:18

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(FBZ) AREA #	RT	IS2(TOL) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	27920.	13.14	25019.	16.27	17873.	19.18
	UPPER LIMIT	55840.	13.64	50038.	16.77	35746.	19.68
	LOWER LIMIT	13960.	12.64	12509.	15.77	8937.	18.68
	EPA SAMPLE NO.						
01	120992BLK1	29948.	13.09	27223.	16.24	19708.	19.17
02	93SV01R01	27706.	13.10	24726.	16.24	17739.	19.16
03	93SV01R02	25427.	13.09	23057.	16.23	16583.	19.16
04	93SV01R03	27289.	13.11	23879.	16.24	17722.	19.16
05	93SV01S1DL	27472.	13.21	24985.	16.29	17781.	19.17
06	93SV01S03	37240.	13.10	33550.	16.24	22804.	19.16
07	93SV01S4D1	24881.	13.18	22630.	16.27	16433.	19.17
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IS1 (FBZ) = Fluorobenzene
IS2 (TOL) = Toluene-d8
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal stansard area.
LOWER LIMIT = - 50%
of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID (Standard): >AG031 Date Analyzed:12/10/92

Instrument ID: HP MS#4 Time Analyzed: 12:33

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(FBZ) AREA #	RT	IS2(TOL) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	26382.	13.10	23964.	16.24	16437.	19.16
	UPPER LIMIT	52764.	13.60	47928.	16.74	32874.	19.66
	LOWER LIMIT	13191.	12.60	11982.	15.74	8219.	18.66
	EPA SAMPLE NO.						
01	121092BLK1	19996.	13.11	17389.	16.24	12757.	19.16
02	93SV01S01	24752.	13.10	21707.	16.24	15808.	19.16
03	93SV01S02	16264.	13.11	14231.	16.25	11079.	19.16
04	93SV01D02	22044.	13.12	19087.	16.26	14331.	19.17
05	93SV01S4D2	23238.	13.12	20149.	16.25	14850.	19.16
06	93SV01D04	24580.	13.12	21319.	16.25	15697.	19.17
07	93SV01S05	23905.	13.12	20451.	16.25	15130.	19.16
08	93SV01D05	22232.	13.13	20026.	16.26	14863.	19.16
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IS1 (FBZ) = Fluorobenzene
IS2 (TOL) = Toluene-d8
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal stansard area.
LOWER LIMIT = - 50%
of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID (Standard): >AG045 Date Analyzed:12/14/92

Instrument ID: HP MS#4 Time Analyzed: 10:24

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(FBZ) AREA #	RT	IS2(TOL) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	31030.	13.17	28494.	16.29	20627.	19.21
	UPPER LIMIT	62060.	13.67	56988.	16.79	41254.	19.71
	LOWER LIMIT	15515.	12.67	14247.	15.79	10313.	18.71
	EPA SAMPLE NO.						
01	121492BLK2	24383.	13.24	21925.	16.31	14526.	19.21
02	93SV01S6D1	27525.	13.16	24636.	16.29	17834.	19.20
03	93SV01D6D1	27205.	13.15	24770.	16.29	16853.	19.20
04	93SV01S07	29068.	13.15	26444.	16.28	19398.	19.19
05	93SV01D07	29556.	13.16	26681.	16.28	18890.	19.19
06	93SV01S08	27010.	13.14	24069.	16.28	17658.	19.20
07	93SV01D08	27334.	13.15	24418.	16.28	17912.	19.19
08	93SV01S09	26239.	13.16	22641.	16.28	16568.	19.19
09	93SV01S10	26310.	13.15	22992.	16.28	16813.	19.19
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IS1 (FBZ) = Fluorobenzene
IS2 (TOL) = Toluene-d8
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal stansard area.
LOWER LIMIT = - 50%
of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077

Lab File ID (Standard): >AG057 Date Analyzed:12/16/92

Instrument ID: HP MS#4 Time Analyzed: 9:23

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(FBZ) AREA #	RT	IS2(TOL) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	30236.	13.13	27701.	16.27	18975.	19.19
	UPPER LIMIT	60472.	13.63	55402.	16.77	37950.	19.69
	LOWER LIMIT	15118.	12.63	13851.	15.77	9488.	18.69
	EPA SAMPLE NO.						
01	121692BLK1	29761.	13.13	26262.	16.26	18889.	19.18
02	93SV01R08	29237.	13.13	26214.	16.26	18655.	19.18
03	93SV01S11D1	26330.	13.13	23414.	16.26	17275.	19.17
04	93SV01R04	26160.	13.13	23279.	16.26	16852.	19.18
05	93SV01S12	27230.	13.12	24562.	16.26	17517.	19.18
06	93SV01S13	28024.	13.13	25033.	16.27	17798.	19.18
07	93SV01S6D2	26424.	13.13	23230.	16.27	16932.	19.18
08	93SV01D6D2	27921.	13.13	24137.	16.26	18101.	19.18
09	93SV01S06	27813.	13.14	24416.	16.27	17940.	19.18
10	93SV01D06	26401.	13.13	22455.	16.26	17103.	19.17
11	93SV01S11D2	26471.	13.13	23379.	16.26	16965.	19.19
12	93SV01R09	26710.	13.13	23546.	16.27	17269.	19.18
13	93SV01S14	21114.	13.13	18664.	16.26	13607.	19.18
14	93SV01S15	25303.	13.13	22271.	16.27	15908.	19.18
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IS1 (FBZ) = Fluorobenzene
IS2 (TOL) = Toluene-d8
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal stansard area.
LOWER LIMIT = - 50%
of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID (Standard): >AG076 Date Analyzed:12/18/92

Instrument ID: HP MS#4 Time Analyzed: 13:30

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(FBZ) AREA #	RT	IS2(TOL) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	27972.	13.15	26073.	16.29	17586.	19.21
	UPPER LIMIT	55944.	13.65	52146.	16.79	35172.	19.71
	LOWER LIMIT	13986.	12.65	13037.	15.79	8793.	18.71
	EPA SAMPLE NO.						
01	121892BLK2	25867.	13.15	22488.	16.29	15978.	19.21
02	93SV01R07	22961.	13.15	20521.	16.29	14497.	19.21
03	93SV01R10	24333.	13.15	21833.	16.29	15383.	19.20
04	93SV01S16	25642.	13.16	22393.	16.29	15793.	19.20
05							
06							
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17							
18							
19							
20							
21							
22							

IS1 (FBZ) = Fluorobenzene
IS2 (TOL) = Toluene-d8
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal stansard area.
LOWER LIMIT = - 50%
of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Lab File ID (Standard): >AG085 Date Analyzed:12/22/92

Instrument ID: HP MS#4 Time Analyzed: 12:27

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(FBZ) AREA #	RT	IS2(TOL) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	29700.	13.14	27085.	16.27	19009.	19.19
	UPPER LIMIT	59400.	13.64	54170.	16.77	38018.	19.69
	LOWER LIMIT	14850.	12.64	13543.	15.77	9505.	18.69
	EPA SAMPLE NO.						
01	122292BLK1	26431.	13.14	23614.	16.28	16866.	19.19
02	93SV01R11	25940.	13.11	22726.	16.26	16667.	19.18
03							
04							
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18							
19							
20							
21							
22							

IS1 (FBZ) = Fluorobenzene
IS2 (TOL) = Toluene-d8
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal stansard area.
LOWER LIMIT = - 50%
of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1077 SAS No.: NA SDG No.: NA

Lab File ID (Standard): CC21210 Date Analyzed: 12/10/92

Instrument ID: INCOS1 Time Analyzed: 1119

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

		IS1(BCM) AREA #	RT	IS2(BCP) AREA #	RT	IS3(DCB) AREA #	RT
	12 HOUR STD	65500	9.37	215000	18.47	144000	22.47
	UPPER LIMIT	131000	9.87	430000	18.97	288000	22.97
	LOWER LIMIT	32750	8.87	107500	17.97	72000	21.97
	EPA SAMPLE NO.						
01	92SV01R04	22300 *	9.34	62900 *	18.44	37700 *	22.44
02	92SV01R05	61600	9.37	188000	18.47	133000	22.47
03	92SV01R06	41900	9.34	117000	18.44	86300	22.44
04	1210BLK2	71900	9.37	216000	18.47	143000	22.47

ag 1/13/93

IS1 BCM Bromochloromethane
IS2 BCP 2-Bromo-1-Chloropropane
IS3 DCB 1,4Dichlorobutane

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII VOA 1/87 Rev.

QUANT REPORT

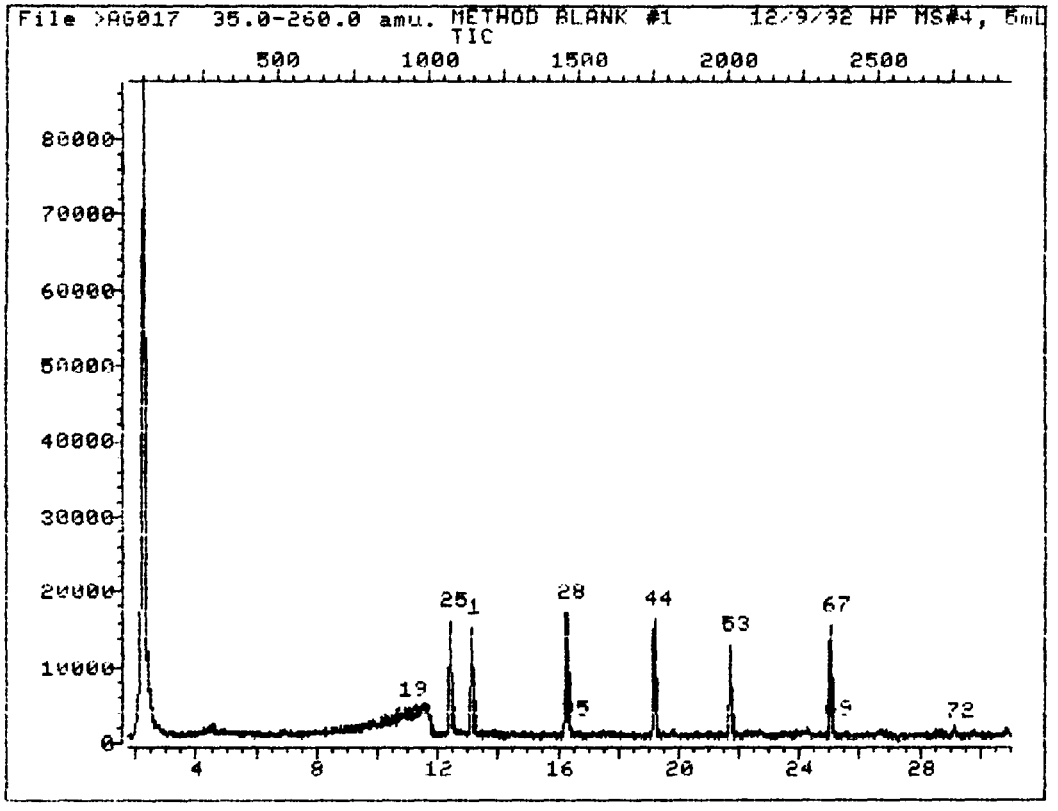
Operator ID: KELLY Quant Rev: 7 Quant Time: 921209 13:01
Output File: ^AG017::D3 Injected at: 921209 12:28
Data File: >AG017::D6 Dilution Factor: 1.00000
Name: METHOD BLANK #1 Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 5mL PURGE

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.09	96.0	29948	10.00	UG/L	96
19)	2-Butanone	10.97	43.0	3152	3.65	UG/L	80
25)	BENZENE-D6	12.38	84.0	32894	10.04	UG/L	98
28)	*TOLUENE-D8	16.24	98.0	27223	10.00	UG/L	92
35)	Toluene	16.37	92.0	1080	.611	UG/L	99
44)	*CHLOROBENZENE-D5	19.17	117.0	19708	10.00	UG/L	99
53)	p-BROMOFLUOROBENZENE	21.72	174.0	8687	10.13	UG/L	98
67)	1,2-DICHLOROBENZENE-D4	25.02	152.0	9084	10.24	UG/L	91
69)	n-Butylbenzene	25.15	91.0	1239	.454	UG/L	81
72)	Naphthalene	29.21	128.0	1372	.964	UG/L	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG017::D6 Quant Output File: ^AG017::D3
Name: METHOD BLANK #1 Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 5mL PURGE

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

Operator ID: KELLY
Quant Time : 921209 13:01
Injected at: 921209 12:28

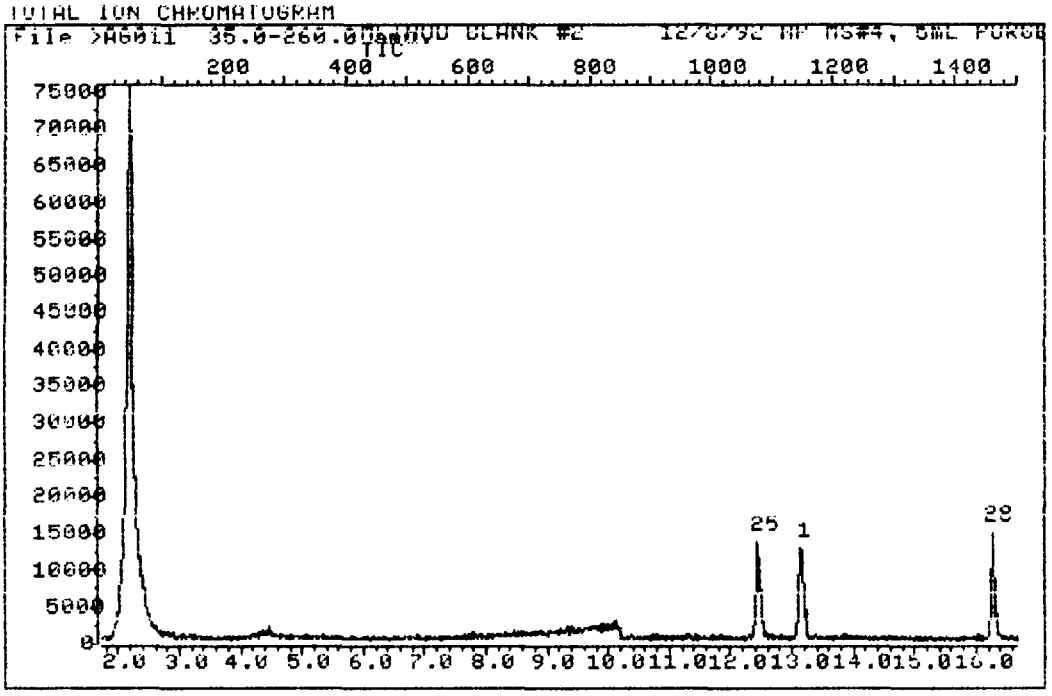
QUANT REPORT

Operator ID: KELLY Quant Rev: 7 Quant Time: 921222 10:12
Output File: ^AG011::D6 Injected at: 921208 16:33
Data File: >AG011::D6 Dilution Factor: 1.00000
Name: METHOD BLANK #2 Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

ID File: IDAG01::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921222 09:38 Last Qcal Time: <none>

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.14	96.0	25130	10.00	UG/L	97
25)	BENZENE-D6	12.44	84.0	28122	11.42	UG/L	99
28)	*TOLUENE-D8	16.27	98.0	22626	10.00	UG/L	97
44)	*CHLOROBENZENE-D5	19.18	117.0	16230	10.00	UG/L	99
53)	p-BROMOFLUOROBENZENE	21.72	174.0	7047	9.90	UG/L	97
67)	1,2-DICHLOROBENZENE-D4	25.01	152.0	7476	10.12	UG/L	94

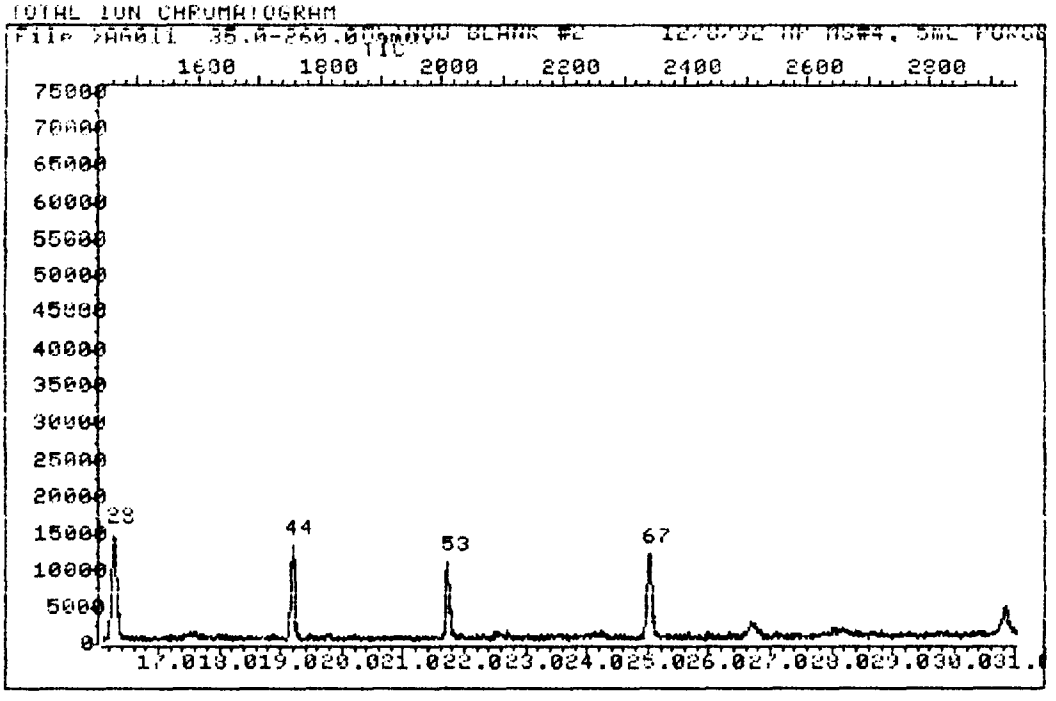
* Compound is ISTD



Data File: >AG011::D6 Quant Output File: ^AG011::D6
Name: METHOD BLANK #2 Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

Id File: IDAG01::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921222 09:38 Last Qcal Time: <none>

Operator ID: KELLY
Quant Time : 921222 10:12
Injected at: 921208 16:33



Data File: >AG011::D6 Quant Output File: ^AG011::D6
Name: METHOD BLANK #2 Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

Id File: IDAG01::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921222 09:38 Last Qcal Time: <none>

Operator ID: KELLY
Quant Time : 921222 10:12
Injected at: 921208 16:33

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ICAL CHECK

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Matrix: (soil/water) WATER Lab Sample ID: ICAL CHECK

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG012

Level: (low/med) LOW Date Received: 12/08/92

% Moisture: not dec.---- Date Analyzed: 12/08/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	29.	
75-01-4	Vinyl chloride	34.	
74-83-9	Bromomethane	39.	
75-00-3	Chloroethane	35.	
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	42.	
67-64-1	Acetone	19.	
75-15-0	Carbon disulfide	44.	
75-09-2	Methylene chloride	47.	
156-60-5	trans-1,2-Dichloroethene	43.	
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	44.	
108-05-4	Vinylacetate	10.	U
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	48.	
78-93-3	2-Butanone	28.	
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	48.	
71-55-6	1,1,1-trichloroethane	52.	
56-23-5	Carbon tetrachloride	48.	
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	50.	
107-06-2	1,2-Dichloroethane	47.	
79-01-6	Trichloroethene	41.	
78-87-5	1,2-Dichloropropane	45.	
74-95-3	Dibromomethane	2.	U
	2-Chloroethyl vinylether	2.	U
75-27-4	Bromodichloromethane	48.	
10061-01-5	cis-1,3-dichloropropene	100.	
108-88-3	Toluene	46.	
108-10-1	4-Methyl-2-pentanone	39.	
10061-02-6	trans-1,3-Dichloropropene	110.	
127-18-4	Tetrachloroethene	46.	
79-00-5	1,1,2-Trichloroethane	45.	
142-28-9	1,3-Dichloropropane	2.	U

Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ICAL CHECK

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Matrix: (soil/water) WATER Lab Sample ID: ICAL CHECK

Sample wt/vol: 5 (g/mL) mL Lab File ID: >AG012

Level: (low/med) LOW Date Received: 12/08/92

% Moisture: not dec.---- Date Analyzed: 12/08/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
591-78-6	2-Hexanone	29.	
124-48-1	Dibromochloromethane	52.	
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	46.	
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	49.	
1083836423	m &/or p-Xylene	95.	
95-47-6	o-Xylene	45.	
100-42-5	Styrene	60.	
75-25-2	Bromoform	58.	
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	U
79-34-5	1,1,2,2-Tetrachloroethane	60.	
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	U
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	U
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	U
96-12-8	1,2-Dibromo-3-chloropropane	2.	U
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	2.	U
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

QUANT REPORT

Operator ID: KELLY Quant Rev: 7 Quant Time: 921222 10:18
Output File: ^AG012::D6 Injected at: 921208 17:13
Data File: >AG012::D6 Dilution Factor: 1.00000
Name: ICALCHK Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

ID File: IDAG01::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921222 09:38 Last Qcal Time: <none>

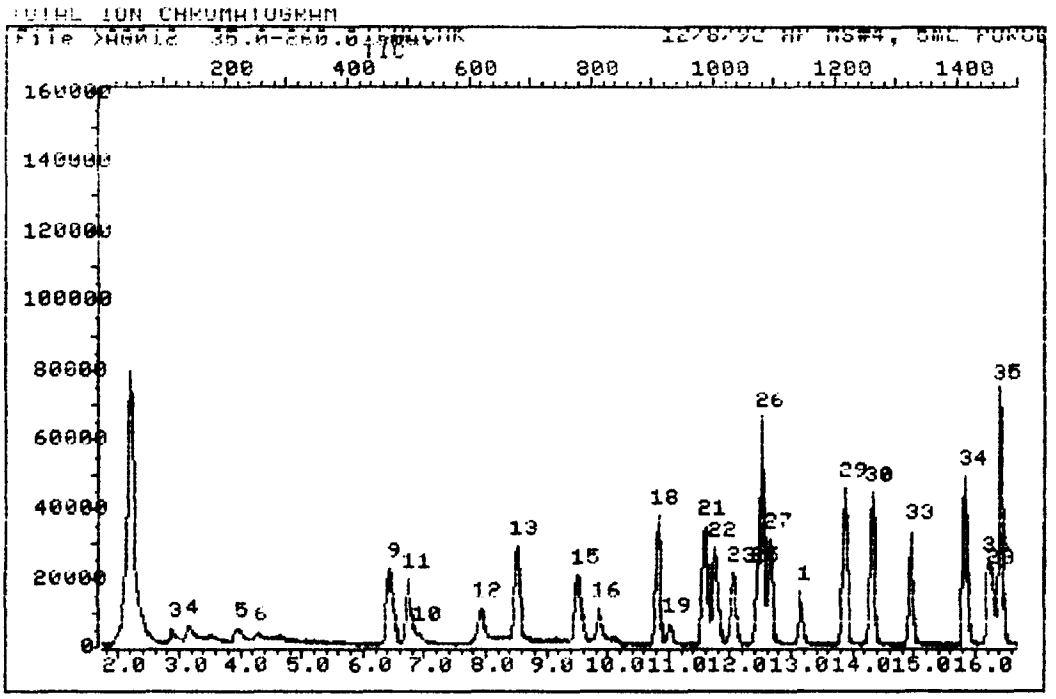
	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.14	96.0	30198	10.00	UG/L	98
3)	Chloromethane	2.87	50.0	21592	29.20	UG/L	89
4)	Vinyl chloride	3.14	62.0	23676	33.94	UG/L	92
5)	Bromomethane	3.94	94.0	12932	39.03	UG/L	95
6)	Chloroethane	4.27	64.0	6711	35.18	UG/L	98
9)	1,1-Dichloroethene	6.42	96.0	27847	42.23	UG/L	97
10)	Acetone	6.91	43.0	13497	18.56	UG/L	94
11)	Carbon disulfide	6.73	76.0	88828	43.71	UG/L	97
12)	Methylene chloride	7.90	84.0	16209	47.27	UG/L	82
13)	trans-1,2-Dichloroethene	8.50	96.0	27580	42.61	UG/L	93
15)	1,1-Dichloroethane	9.51	63.0	57937	43.53	UG/L	99
16)	Vinyl acetate	9.85	43.0	40062	51.53	UG/L	100
18)	cis-1,2-Dichloroethene	10.81	96.0	39344	48.27	UG/L	98
19)	2-Butanone	11.00	43.0	22694	27.98	UG/L	73
21)	Chloroform	11.58	83.0	69474	48.20	UG/L	95
22)	1,1,1-Trichloroethane	11.74	97.0	53252	52.27	UG/L	94
23)	Carbon tetrachloride	12.05	117.0	37262	48.44	UG/L	92
25)	BENZENE-D6	12.43	84.0	34438	11.63	UG/L	97
26)	Benzene	12.51	78.0	137390	50.34	UG/L	98
27)	1,2-Dichloroethane	12.64	62.0	56077	47.09	UG/L	98
28)	*TOLUENE-D8	16.27	98.0	28850	10.00	UG/L	97
29)	Trichloroethene	13.86	95.0	40048	40.95	UG/L	87
30)	1,2-Dichloropropane	14.30	63.0	44345	45.31	UG/L	97
33)	Bromodichloromethane	14.94	83.0	52288	48.24	UG/L	99
34)	cis-1,3-Dichloropropene	15.83	75.0	65654	103.58	UG/L	92
35)	Toluene	16.39	92.0	76260	46.30	UG/L	95
36)	4-Methyl-2-pentanone	16.21	43.0	46725	39.48	UG/L	87
37)	trans-1,3-Dichloropropene	16.99	75.0	47857	105.72	UG/L	99
38)	Tetrachloroethene	17.46	166.0	36377	46.21	UG/L	99
39)	1,1,2-Trichloroethane	17.32	132.0	2938	44.99	UG/L	99
41)	2-Hexanone	17.91	43.0	29721	28.83	UG/L	83
42)	Dibromochloromethane	18.07	129.0	38533	52.27	UG/L	99
44)	*CHLOROBENZENE-D5	19.18	117.0	20313	10.00	UG/L	97
45)	Chlorobenzene	19.24	112.0	83913	46.14	UG/L	92
47)	Ethylbenzene	19.52	91.0	147801	48.89	UG/L	95
48)	m &/or p-Xylene	19.78	106.0	96880	94.99	UG/L	80
49)	o-Xylene	20.59	106.0	46930	44.73	UG/L	92
50)	Styrene	20.65	104.0	84883	59.94	UG/L	93
51)	Bromoform	21.00	173.0	27372	57.51	UG/L	97
53)	p-BROMOFLUOROBENZENE	21.72	174.0	8788	9.86	UG/L	98

Operator ID: KELLY Quant Rev: 7 Quant Time: 921222 10:18
Output File: ^AG012::D6 Injected at: 921208 17:13
Data File: >AG012::D6 Dilution Factor: 1.00000
Name: ICALCHK Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

ID File: IDAG01::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921222 09:38 Last Qcal Time: <none>

	Compound	R.T.	Q ion	Area	Conc	Units	q
56)	1,1,2,2-Tetrachloroethane	22.19	83.0	43682	60.28	UG/L	98
67)	1,2-DICHLOROBENZENE-D4	25.02	152.0	9134	9.88	UG/L	97

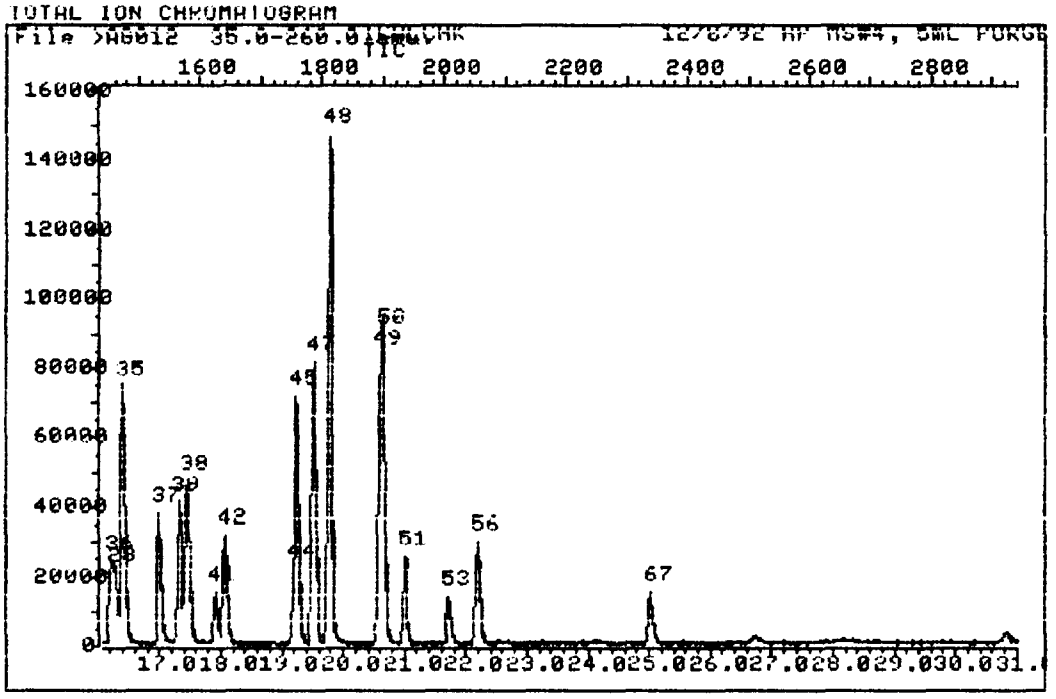
* Compound is ISTD



Data File: >AG012::D6 Quant Output File: ^AG012::D6
Name: ICALCHK Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

Id File: IDAG01::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921222 09:38 Last Qcal Time: <none>

Operator ID: KELLY
Quant Time : 921222 10:18
Injected at: 921208 17:13



Data File: >AG012::D6 Quant Output File: ^AG012::D6
Name: ICALCHK Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

Id File: IDAG01::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921222 09:38 Last Qcal Time: <none>

Operator ID: KELLY
Quant Time : 921222 10:18
Injected at: 921208 17:13

QUANT REPORT

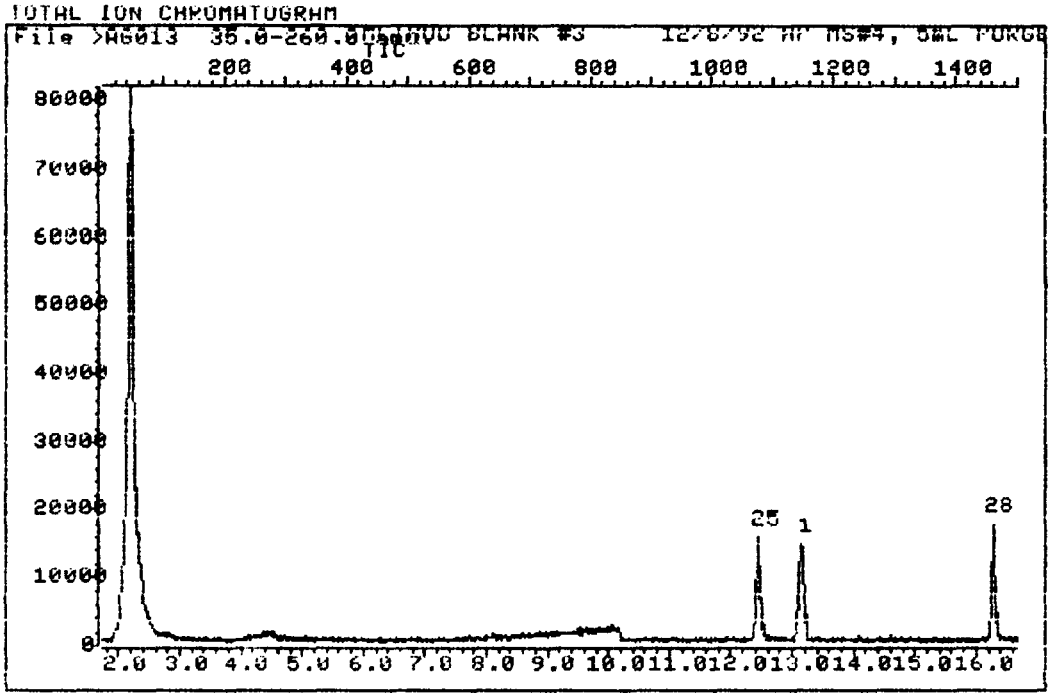
Operator ID: KELLY Quant Rev: 7 Quant Time: 921222 10:21
Output File: ^AG013::D6 Injected at: 921208 17:52
Data File: >AG013::D6 Dilution Factor: 1.00000
Name: METHOD BLANK #3 Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

ID File: IDAG01::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921222 09:38 Last Qcal Time: <none>

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.13	96.0	29779	10.00	UG/L	97
25)	BENZENE-D6	12.43	84.0	33479	11.47	UG/L	99
28)	*TOLUENE-D8	16.27	98.0	26614	10.00	UG/L	92
44)	*CHLOROBENZENE-D5	19.19	117.0	18687	10.00	UG/L	98
53)	p-BROMOFLUOROBENZENE	21.71	174.0	7771	9.48	UG/L	98
67)	1,2-DICHLOROBENZENE-D4	25.02	152.0	8117	9.54	UG/L	91

* Compound is ISTD

TOTAL ION CHROMATOGRAM

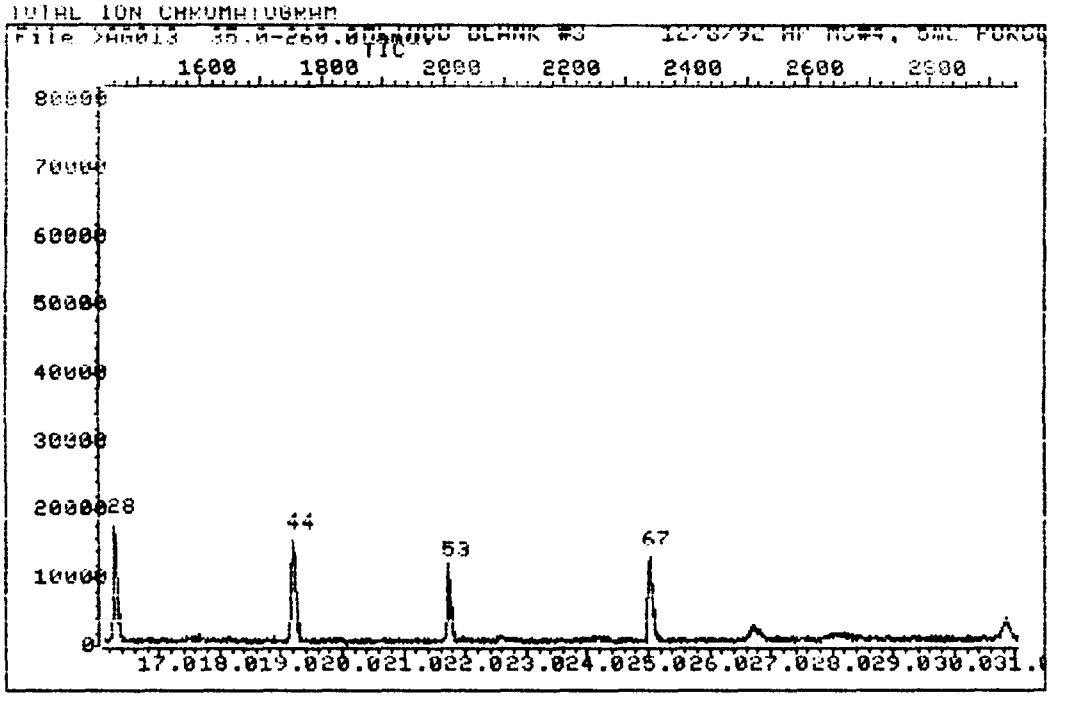


Data File: >AG013::D6 Quant Output File: ^AG013::D6
Name: METHOD BLANK #3 Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

Id File: IDAG01::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921222 09:58 Last Qual Time: <none>

Operator ID: KELLY
Quant Time : 921222 10:21
Injected at: 921208 12:52

Page 1 of 2



Data File: >AG013::D6 Quant Output File: ^AG013::D6
Name: METHOD BLANK #3 Instrument ID: HP MSD#1
Misc: 12/8/92 HP MS#4, 5mL PURGE

Id File: IDAG01::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921222 09:38 Last Qcal Time: <none>

Operator ID: KELLY
Quant Time : 921222 10:21
Injected at: 921208 17:52

QUANT REPORT

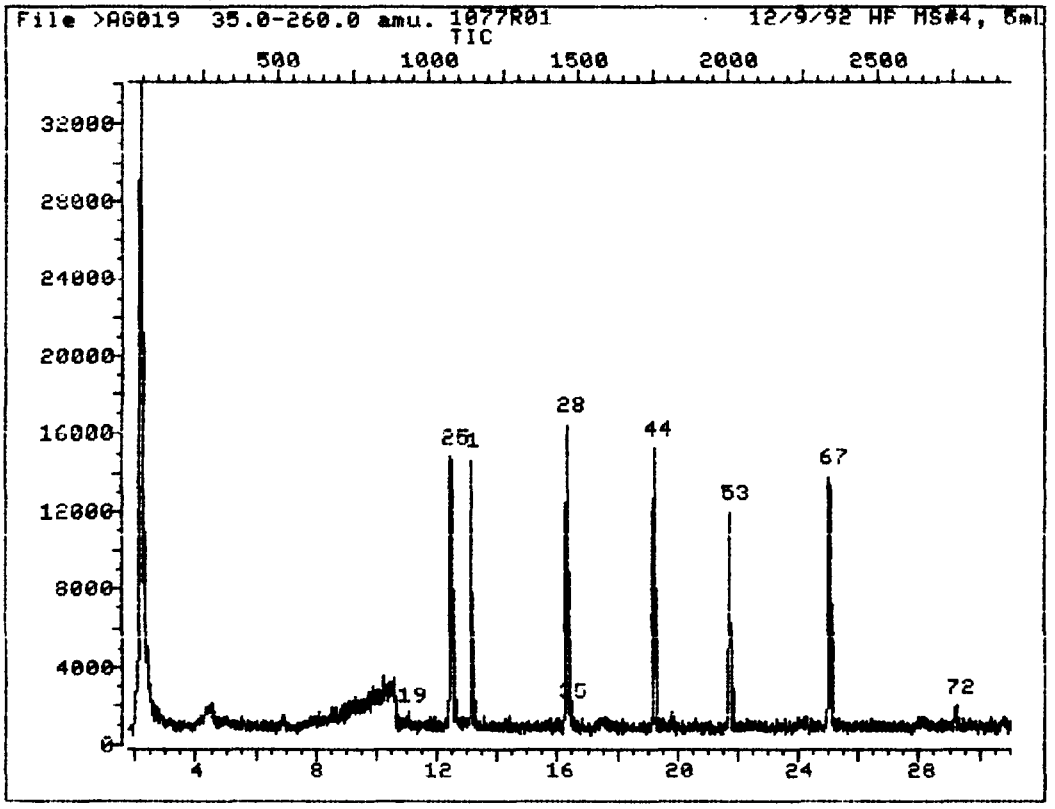
Operator ID: KELLY Quant Rev: 7 Quant Time: 921209 14:49
Output File: ^AG019::D3 Injected at: 921209 14:16
Data File: >AG019::D6 Dilution Factor: 1.00000
Name: 1077R01 Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 5mL PURGE

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.10	96.0	27706	10.00	UG/L	96
19)	2-Butanone	11.00	43.0	2203	2.75	UG/L	76
25)	BENZENE-D6	12.40	84.0	30893	10.20	UG/L	94
28)	*TOLUENE-D8	16.24	98.0	24726	10.00	UG/L	95
35)	Toluene	16.35	92.0	1229	.765	UG/L	98
44)	*CHLOROBENZENE-D5	19.16	117.0	17739	10.00	UG/L	99
53)	p-BROMOFLUOROBENZENE	21.69	174.0	7383	9.56	UG/L	97
67)	1,2-DICHLOROBENZENE-D4	24.99	152.0	8604	10.78	UG/L	91
72)	Naphthalene	29.17	128.0	1740	1.36	UG/L	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG019::D6 Quant Output File: ^AG019::D3
Name: 1077R01 Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 5mL PURGE

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

Operator ID: KELLY
Quant Time : 921209 14:49
Injected at: 921209 14:16

QUANT REPORT

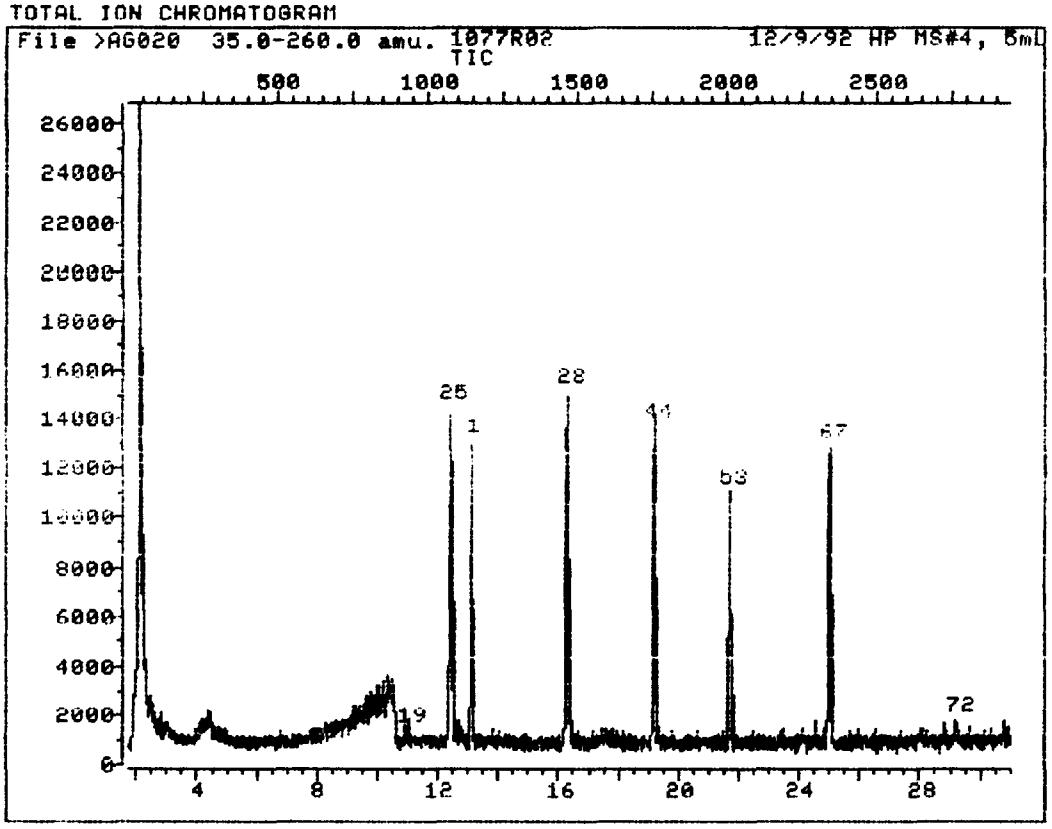
Operator ID: KELLY
Quant Rev: 2
Quant Time: 921209 15:28
Output File: ^AG020::D3
Injected at: 921209 14:55
Data File: >AG020::D6
Dilution Factor: 1.00000
Name: 1077R02
Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 5mL PURGE

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22
Last Qcal Time: 921209 11:18

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.09	96.0	25427	10.00	UG/L	92
19)	2-Butanone	10.97	43.0	2125	2.90	UG/L	74
25)	BENZENE-D6	12.39	84.0	29078	10.46	UG/L	95
28)	*TOLUENE-D8	16.23	98.0	23057	10.00	UG/L	94
44)	*CHLOROBENZENE-D5	19.16	117.0	16583	10.00	UG/L	98
53)	p-BROMOFLUOROBENZENE	21.68	174.0	7262	10.06	UG/L	99
67)	1,2-DICHLOROBENZENE-D4	24.99	152.0	7843	10.51	UG/L	95
72)	Naphthalene	29.17	128.0	1481	1.24	UG/L	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG020::D6 Quant Output File: ^AG020::D3
Name: 1077R02 Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 5mL PURGE

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

Operator ID: KELLY
Quant Time : 921209 15:28
Injected at: 921209 14:55

QUANT REPORT

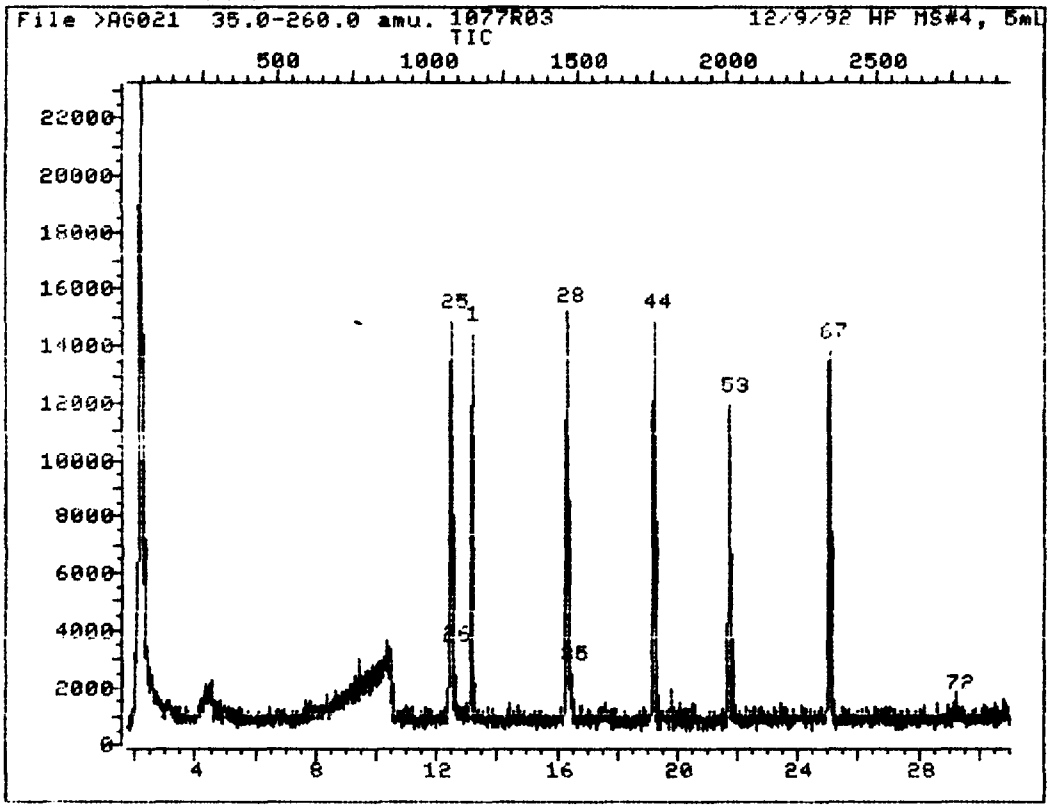
Operator ID: KELLY Quant Rev: 2 Quant Time: 921209 16:07
Output File: ^AG021::D3 Injected at: 921209 15:34
Data File: >AG021::D6 Dilution Factor: 1.00000
Name: 1077R03 Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 5mL PURGE

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.11	96.0	27289	10.00	UG/L	98
25)	BENZENE-D6	12.40	84.0	30256	10.14	UG/L	98
26)	Benzene	12.48	78.0	1593	.536	UG/L	67
28)	*TOLUENE-D8	16.24	98.0	23879	10.00	UG/L	96
35)	Toluene	16.37	92.0	1554	1.00	UG/L	92
44)	*CHLOROBENZENE-D5	19.16	117.0	17722	10.00	UG/L	95
53)	p-BROMOFLUOROBENZENE	21.70	174.0	7238	10.03	UG/L	97
67)	1,2-DICHLOROBENZENE-D4	25.00	152.0	8266	10.37	UG/L	93
72)	Naphthalene	29.17	128.0	1288	1.01	UG/L	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG021::D6 Quant Output File: ^AG021::D3
Name: 1077R03 Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 5mL PURGE

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

Operator ID: KELLY
Quant Time : 921209 16:07
Injected at: 921209 15:34

8

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S01

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S01

Sample wt/vol: 1 (g/mL) mL Lab File ID: >AG022

Level: (low/med) LOW Date Received: 12/03/92

% Moisture: not dec.---- Date Analyzed: 12/09/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	15.	U
74-87-3	Chloromethane	15.	U
75-01-4	Vinyl chloride	15.	U
74-83-9	Bromomethane	15.	U
75-00-3	Chloroethane	15.	U
75-69-4	Trichlorofluoromethane	15.	U
107-64-1	Acrolein	50.	U
75-35-4	1,1-Dichloroethene	10.	U
67-64-1	Acetone	17.	J
75-15-0	Carbon disulfide	10.	U
75-09-2	Methylene chloride	10.	U
156-60-5	trans-1,2-Dichloroethene	10.	U
107-13-1	Acrylonitrile	50.	U
75-34-3	1,1-Dichloroethane	5.	J
108-05-4	Vinylacetate	50.	UJ
594-20-7	2,2-Dichloropropane	10.	U
156-59-2	cis-1,2-Dichloroethene	6.	J
78-93-3	2-Butanone	17.	J
74-97-5	Bromochloromethane	10.	U
67-66-3	Chloroform	10.	U
71-55-6	1,1,1-trichloroethane	10.	U
56-23-5	Carbon tetrachloride	10.	U
563-58-6	1,1-Dichloropropene	10.	U
71-43-2	Benzene	2.	J
107-06-2	1,2-Dichloroethane	10.	U
79-01-6	Trichloroethene	10.	U
78-87-5	1,2-Dichloropropane	10.	U
74-95-3	Dibromomethane	10.	U
	2-Chloroethyl vinylether	10.	U
75-27-4	Bromodichloromethane	10.	U
10061-01-5	cis-1,3-dichloropropene	10.	U
108-88-3	Toluene	10.	U
108-10-1	4-Methyl-2-pentanone	5.	J
10061-02-6	trans-1,3-Dichloropropene	10.	U
127-18-4	Tetrachloroethene	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
142-28-9	1,3-Dichloropropane	10.	U

Are there any TICs ? (Please check a box) YES [ ] NO [✓]

FORM I VOA 1/89 Rev.

117 1/25/93

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S01

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: --- SDG No.: ---

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S01

Sample wt/vol: 1 (g/mL) mL Lab File ID: >AG022

Level: (low/med) LOW Date Received: 12/03/92

% Moisture: not dec.---- Date Analyzed: 12/09/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
591-78-6	2-Hexanone	25.	U	
124-48-1	Dibromochloromethane	10.	U	
106-93-4	1,2-Dibromoethane	10.	U	
108-90-7	Chlorobenzene	10.	U	
630-20-6	1,1,1,2-Tetrachloroethane	10.	U	
100-41-4	Ethylbenzene	10.	U	
1083836423	m &/or p-Xylene	10.	U	
95-47-6	o-Xylene	10.	U	
100-42-5	Styrene	10.	U	
75-25-2	Bromoform	10.	U	
98-82-8	Isopropylbenzene	10.	U	
108-86-1	Bromobenzene	10.	U	
96-18-4	1,2,3-Trichloropropane	10.	U	
79-34-5	1,1,2,2-Tetrachloroethane	10.	UJ	nf
103-65-1	n-Propylbenzene	10.	U	
95-49-8	2-Chlorotoluene	10.	U	
106-43-4	4-Chlorotoluene	10.	U	
108-67-8	1,3,5-Trimethylbenzene	10.	U	
98-06-6	tert-Butylbenzene	10.	U	
95-63-6	1,2,4-Trimethylbenzene	10.	U	
135-98-8	sec-Butylbenzene	10.	U	
541-73-1	1,3-Dichlorobenzene	10.	U	
106-46-7	1,4-Dichlorobenzene	10.	U	
99-87-6	p-Isopropyltoluene	10.	U	
95-50-1	1,2-Dichlorobenzene	10.	U	
104-51-8	n-Butylbenzene	3.	J	
96-12-8	1,2-Dibromo-3-chloropropane	10.	UJ	nf.
120-82-1	1,2,4-Trichlorobenzene	10.	U	
91-20-3	Naphthalene	6.	J	
87-68-3	Hexachlorobutadiene	10.	U	
87-61-6	1,2,3-Trichlorobenzene	10.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

QUANT REPORT

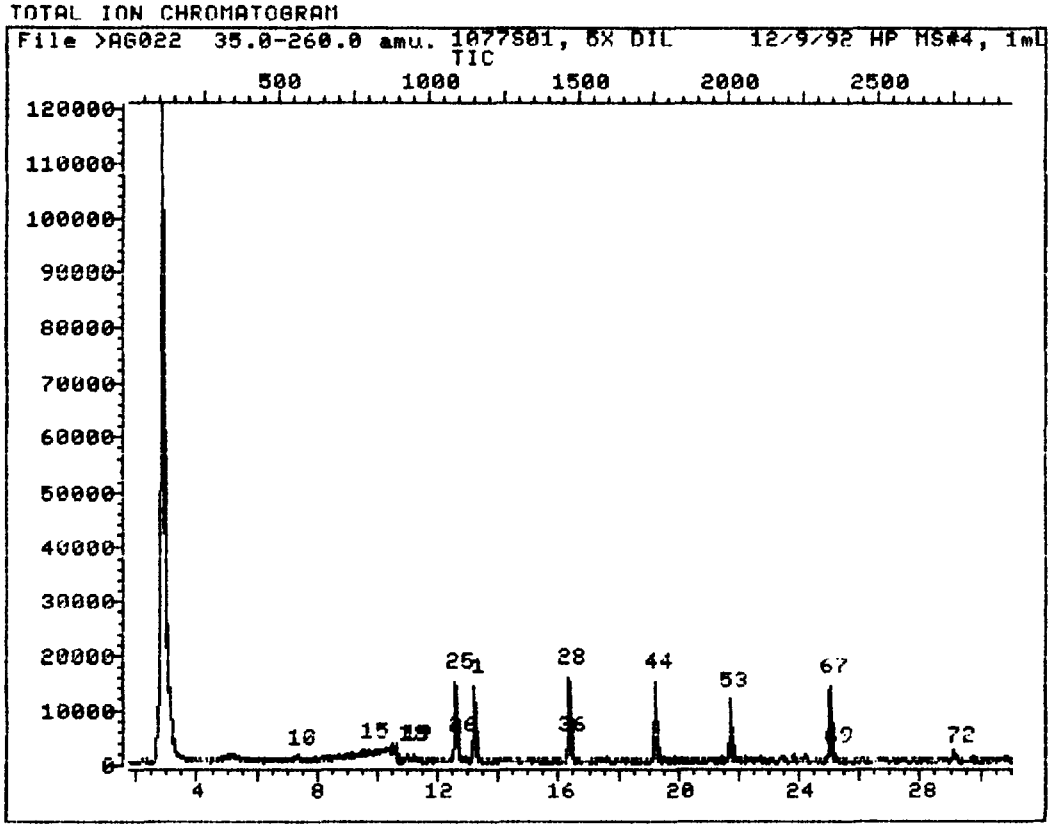
Operator ID: KELLY Quant Rev: 2 Quant Time: 921209 16:46
Output File: ^AG022::D3 Injected at: 921209 16:14
Data File: >AG022::D6 Dilution Factor: 1.00000
Name: 1077S01, 5X DIL Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 1mL/5mL PURGE

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.21	96.0	27472	10.00	UG/L	98
10)	Acetone	7.32	43.0	2492	3.41	UG/L	95
15)	1,1-Dichloroethane	9.72	63.0	1337	1.03	UG/L	65
18)	cis-1,2-Dichloroethene	10.97	96.0	1011	1.16	UG/L	87
19)	2-Butanone	11.17	43.0	2681	3.38	UG/L	61
25)	BENZENE-D6	12.53	84.0	30987	10.31	UG/L	99
26)	Benzene	12.60	78.0	1104	.369	UG/L	90
28)	*TOLUENE-D8	16.29	98.0	24985	10.00	UG/L	96
36)	4-Methyl-2-pentanone	16.23	43.0	1053	.903	UG/L	88
44)	*CHLOROBENZENE-D5	19.18	117.0	17781	10.00	UG/L	97
53)	p-BROMOFLUOROBENZENE	21.69	174.0	7879	10.18	UG/L	92
67)	1,2-DICHLOROBENZENE-D4	25.00	152.0	8553	10.69	UG/L	87
69)	n-Butylbenzene	25.11	91.0	1545	.628	UG/L	79
72)	Naphthalene	29.17	128.0	1499	1.17	UG/L	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG022::D6 Quant Output File: ^AG022::D3
Name: 1077S01, 5X DIL Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 1mL/5mL PURGE

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

Operator ID: KELLY
Quant Time : 921209 16:46
Injected at: 921209 16:14

QUANT REPORT

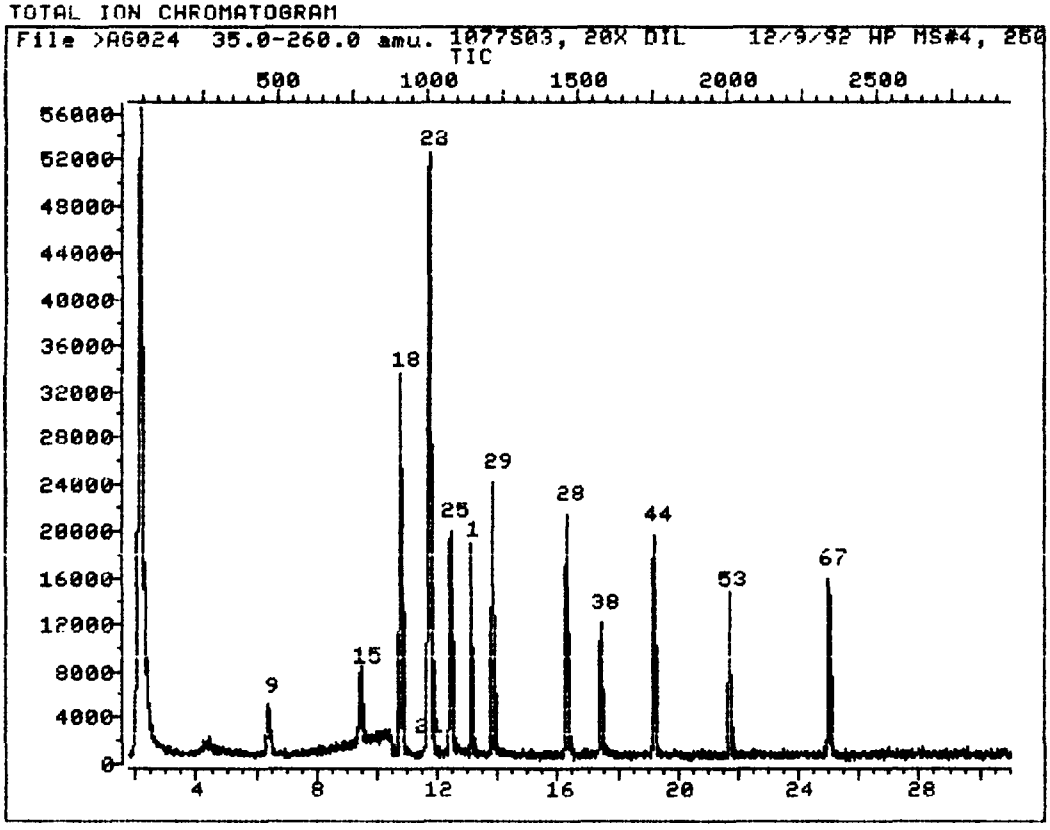
Operator ID: KELLY Quant Rev: 7 Quant Time: 921209 18:05
Output File: ^AG024::D3 Injected at: 921209 17:32
Data File: >AG024::D6 Dilution Factor: 1.00000
Name: 1077S03, 20X DIL Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 250mL/5mL PURGE

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.10	96.0	37240	10.00	UG/L	98
9)	1,1-Dichloroethene	6.39	96.0	5835	6.87	UG/L	98
15)	1,1-Dichloroethane	9.49	63.0	19762	11.25	UG/L	95
18)	cis-1,2-Dichloroethene	10.77	96.0	35672	30.21	UG/L	95
21)	Chloroform	11.55	83.0	1457	.703	UG/L	88
22)	1,1,1-Trichloroethane	11.72	97.0	101796	69.64	UG/L	96
23)	Carbon tetrachloride	11.72	117.0	14351	12.65	UG/L	89
25)	BENZENE-D6	12.40	84.0	41799	10.26	UG/L	99
28)	*TOLUENE-D8	16.24	98.0	33550	10.00	UG/L	96
29)	Trichloroethene	13.83	95.0	20383	17.81	UG/L	91
38)	Tetrachloroethene	17.42	166.0	8928	9.03	UG/L	97
44)	*CHLOROBENZENE-D5	19.16	117.0	22804	10.00	UG/L	97
53)	p-BROMOFLUOROBENZENE	21.68	174.0	9628	9.70	UG/L	98
67)	1,2-DICHLOROBENZENE-D4	24.99	152.0	9677	9.43	UG/L	95

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG024::D6 Quant Output File: ^AG024::D3
Name: 1077S03, 20X DIL Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 250mL/5mL PURGE

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

Operator ID: KELLY
Quant Time : 921209 18:05
Injected at: 921209 17:32

QUANT REPORT

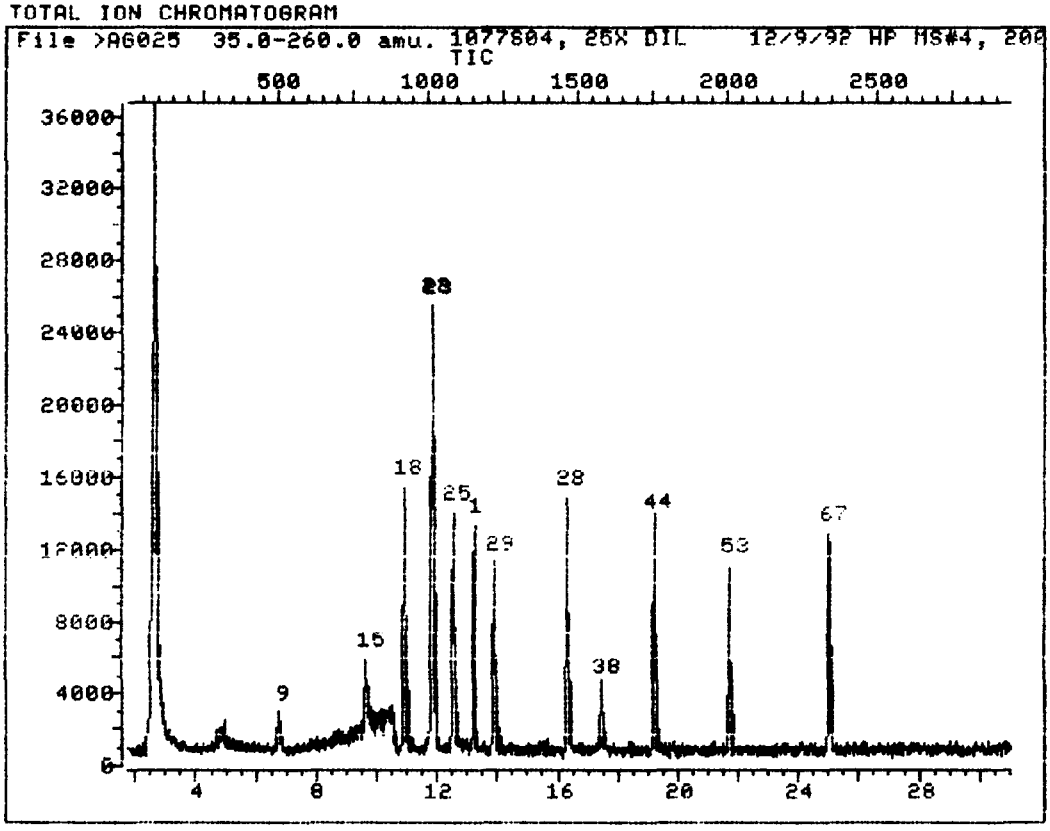
Operator ID: KELLY Quant Rev: 7 Quant Time: 921209 18:44
Output File: ^AG025::QT Injected at: 921209 18:11
Data File: >AG025::D6 Dilution Factor: 1.00000
Name: 1077S04, 25X DIL Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 200mL/5mL PURGE

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.18	96.0	24881	10.00	UG/L	98
9)	1,1-Dichloroethene	6.75	96.0	2599	4.58	UG/L	87
15)	1,1-Dichloroethane	9.65	63.0	11903	10.14	UG/L	99
18)	cis-1,2-Dichloroethene	10.89	96.0	15182	19.25	UG/L	91
22)	1,1,1-Trichloroethane	11.81	97.0	46742	47.86	UG/L	98
23)	Carbon tetrachloride	11.82	117.0	6562	8.66	UG/L	92
25)	BENZENE-D6	12.48	84.0	28122	10.33	UG/L	97
28)	*TOLUENE-D8	16.27	98.0	22630	10.00	UG/L	94
29)	Trichloroethene	13.88	95.0	9214	11.93	UG/L	85
38)	Tetrachloroethene	17.44	166.0	2897	4.35	UG/L	89
44)	*CHLOROBENZENE-D5	19.17	117.0	16433	10.00	UG/L	99
53)	p-BROMOFLUOROBENZENE	21.69	174.0	6831	9.55	UG/L	98
67)	1,2-DICHLOROBENZENE-D4	24.99	152.0	7466	10.10	UG/L	89

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG025::D6 Quant Output File: ^AG025::QT
Name: 1077S04, 25X DIL Instrument ID: HP MSD#1
Misc: 12/9/92 HP MS#4, 200mL/5mL PURGE

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921209 11:18

Operator ID: KELLY
Quant Time : 921209 18:44
Injected at: 921209 18:11

QUANT REPORT

Operator ID: KELLY
Output File: ^AG032::D3
Data File: >AG032::D4
Name: METHOD BLANK
Misc: 12/10/92 624 VOC

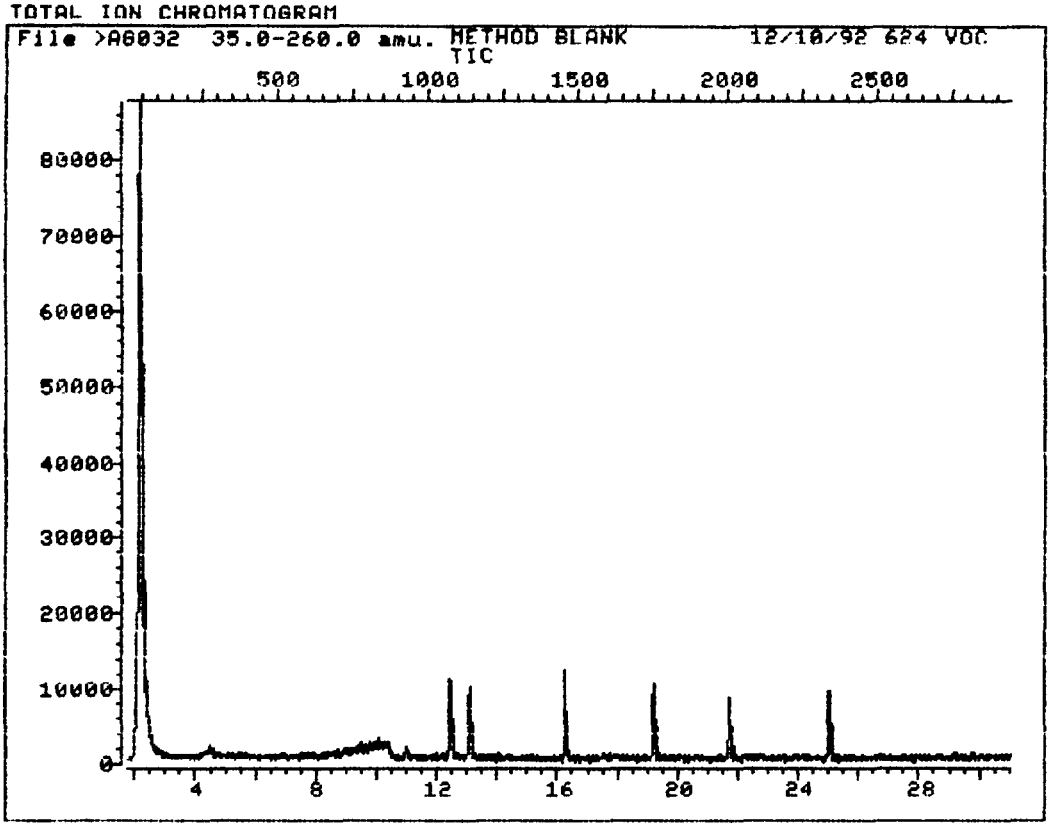
Quant Rev: 7
Quant Time: 921210 14:28
Injected at: 921210 13:55
Dilution Factor: 1.00000
Instrument ID: HP MSD#1

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22
Last Qcal Time: 921210 11:53

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.11	1143	19996	10.00	UG/L	97
19)	2-Butanone	10.98	929	5419	6.88	UG/L	64
25)	BENZENE-D6	12.40	1072	22274	10.28	UG/L	97
28)	*TOLUENE-D8	16.24	1458	17389	10.00	UG/L	97
44)	*CHLOROBENZENE-D5	19.16	1752	12757	10.00	UG/L	99
53)	p-BROMOFLUOROBENZENE	21.69	2007	5217	10.03	UG/L	92
67)	1,2-DICHLOROBENZENE-D4	24.99	2339	5551	9.86	UG/L	93
72)	Naphthalene	29.18	2760	1039	.913	UG/L	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG032::D4 Quant Output File: ^AG032::D3
Name: METHOD BLANK Instrument ID: HP MSD#1
Misc: 12/10/92 624 VOC

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921210 11:53

Operator ID: KELLY
Quant Time : 921210 14:28
Injected at: 921210 13:55

QUANT REPORT

Operator ID: KELLY
Output File: ^AG034::D3
Data File: >AG034::D4
Name: 92SV01S01 5ML
Misc: 12/10/92 624 VOC

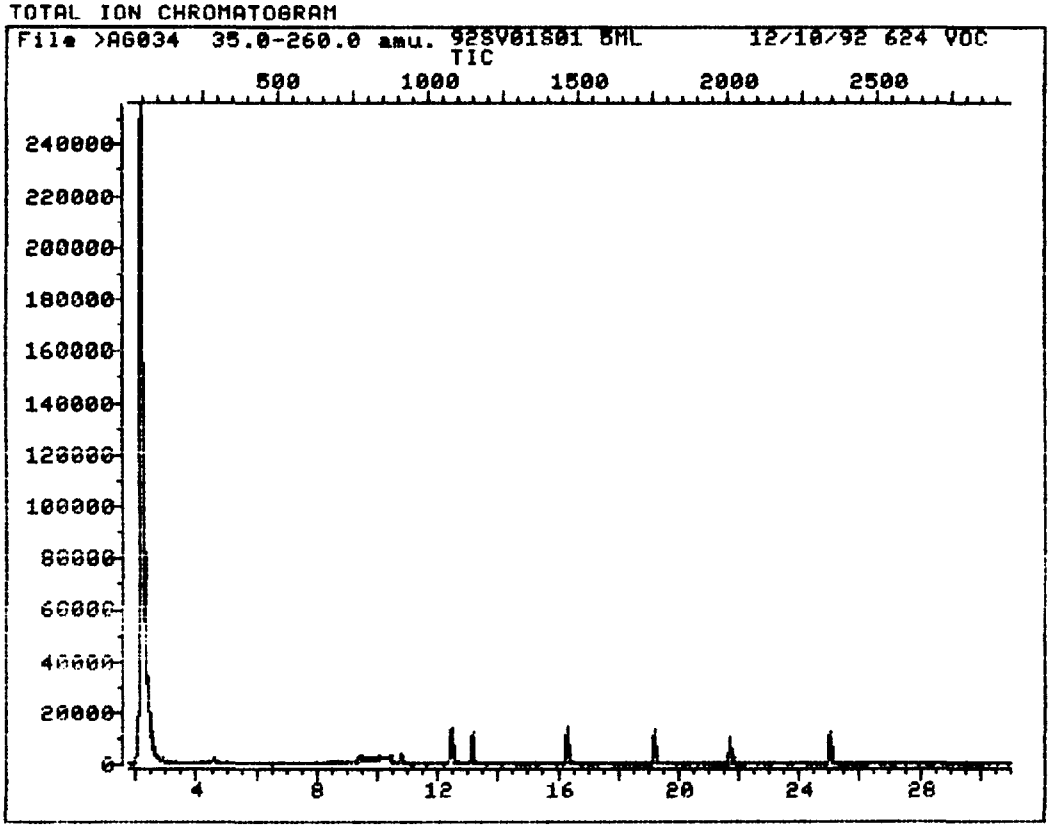
Quant Rev: 7
Quant Time: 921210 15:37
Injected at: 921210 15:04
Dilution Factor: 1.00000
Instrument ID: HP MSD#1

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22
Last Qcal Time: 921210 11:53

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.10	1142	24752	10.00	UG/L	96
15)	1,1-Dichloroethane	9.48	778	4299	3.71	UG/L	94
18)	cis-1,2-Dichloroethene	10.78	909	4251	5.52	UG/L	97
25)	BENZENE-D6	12.40	1072	27525	10.26	UG/L	98
28)	*TOLUENE-D8	16.24	1458	21707	10.00	UG/L	95
44)	*CHLOROBENZENE-D5	19.16	1752	15808	10.00	UG/L	97
53)	p-BROMOFLUOROBENZENE	21.70	2007	6321	9.81	UG/L	94
67)	1,2-DICHLOROBENZENE-D4	24.99	2338	7191	10.31	UG/L	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG034::D4 Quant Output File: ^AG034::D3
Name: 92SV01S01 5ML Instrument ID: HP MSD#1
Misc: 12/10/92 624 VOC

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921210 11:53

Operator ID: KELLY
Quant Time : 921210 15:37
Injected at: 921210 15:04

QUANT REPORT

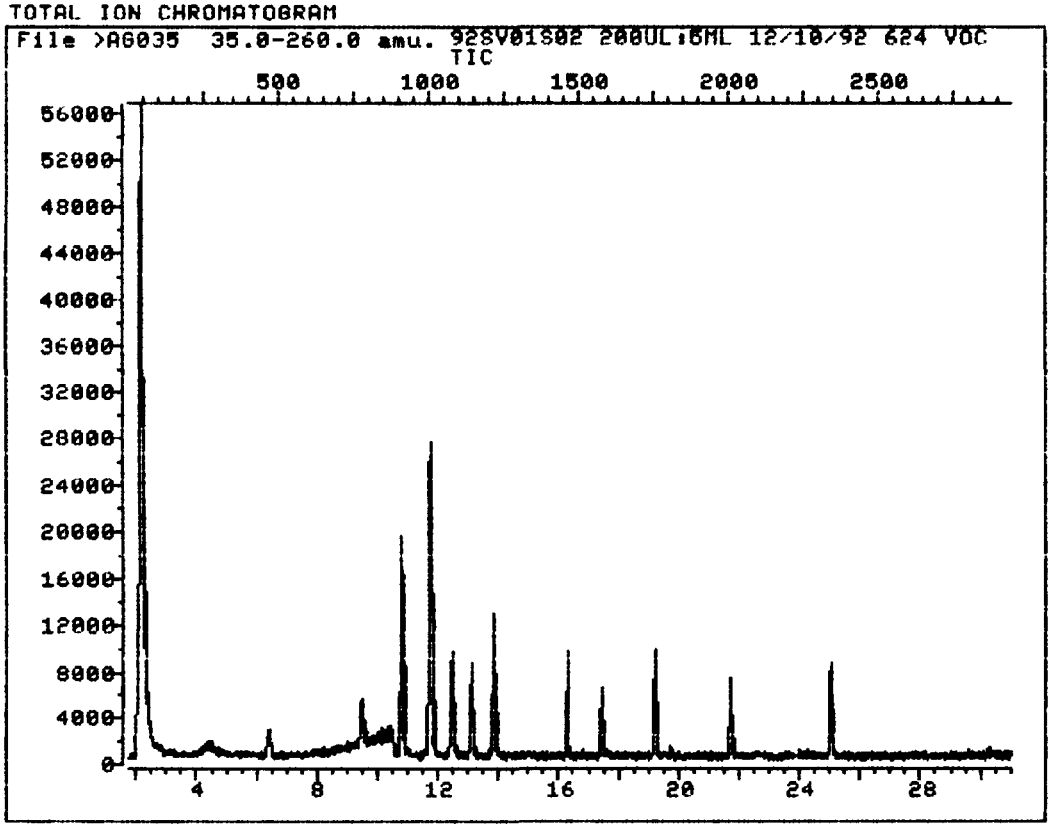
Operator ID: KELLY Quant Rev: 7 Quant Time: 921210 16:23
Output File: ^AG035::D3 Injected at: 921210 15:50
Data File: >AG035::D4 Dilution Factor: 1.00000
Name: 92SV01S02 200UL:5ML Instrument ID: HP MSD#1
Misc: 12/10/92 624 VOC

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921210 11:53

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.11	1143	16264	10.00	UG/L	99
9)	1,1-Dichloroethene	6.39	468	2895	8.02	UG/L	89
15)	1,1-Dichloroethane	9.46	777	11646	15.28	UG/L	99
18)	cis-1,2-Dichloroethene	10.78	909	20620	40.74	UG/L	92
19)	2-Butanone	10.99	930	2311	3.61	UG/L	74
22)	1,1,1-Trichloroethane	11.73	1004	52707	85.12	UG/L	97
23)	Carbon tetrachloride	11.72	1003	7024	15.22	UG/L	87
25)	BENZENE-D6	12.40	1072	18915	10.73	UG/L	97
28)	*TOLUENE-D8	16.25	1459	14231	10.00	UG/L	94
29)	Trichloroethene	13.83	1216	10887	23.35	UG/L	76
38)	Tetrachloroethene	17.42	1577	4380	11.03	UG/L	91
44)	*CHLOROBENZENE-D5	19.16	1752	11079	10.00	UG/L	99
53)	p-BROMOFLUOROBENZENE	21.69	2007	4484	9.93	UG/L	99
67)	1,2-DICHLOROBENZENE-D4	25.00	2340	5054	10.34	UG/L	89

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG035::D4 Quant Output File: ^AG035::D3
Name: 92SV01S02 200UL:5ML Instrument ID: HP MSD#1
Misc: 12/10/92 624 VOC

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921210 11:53

Operator ID: KELLY
Quant Time : 921210 16:23
Injected at: 921210 15:50

QUANT REPORT

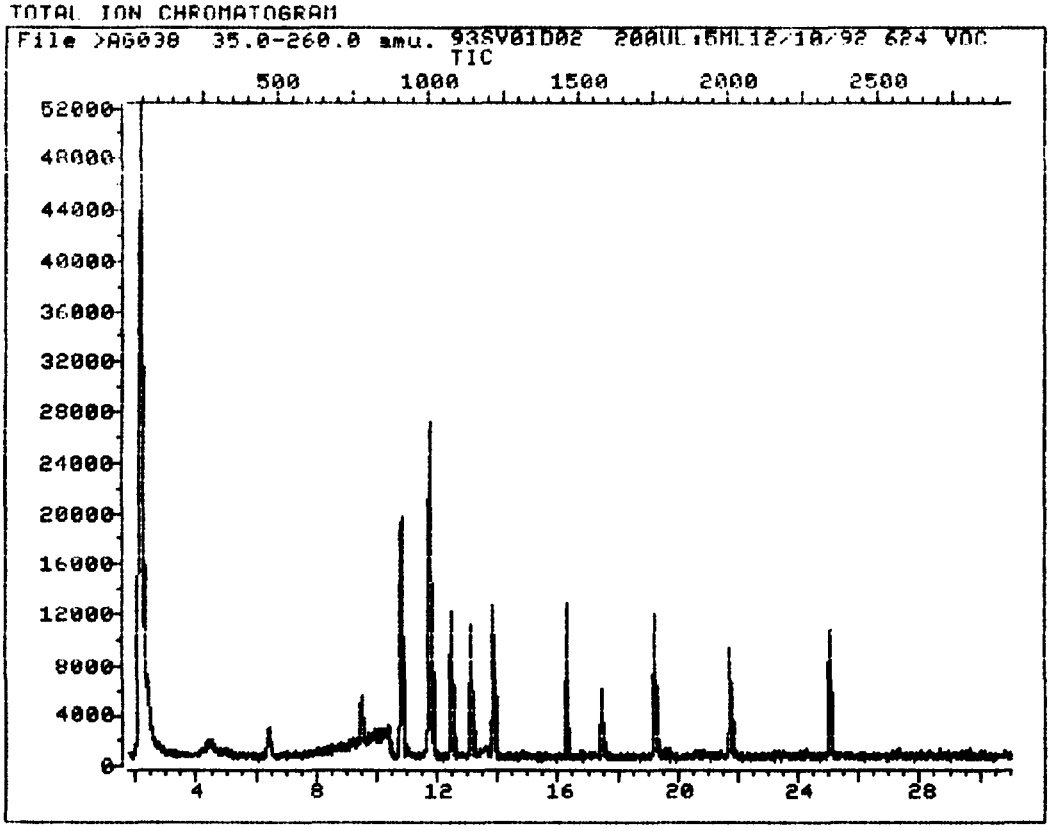
Operator ID: KELLY Quant Rev: 7 Quant Time: 921210 18:22
Output File: ^AG038::D3 Injected at: 921210 17:50
Data File: >AG038::D4 Dilution Factor: 1.00000
Name: 93SV01D02 200UL:5ML Instrument ID: HP MSD#1
Misc: 12/10/92 624 VOC

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921210 11:53

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.12	1144	22044	10.00	UG/L	94
9)	1,1-Dichloroethene	6.40	469	2664	5.45	UG/L	95
15)	1,1-Dichloroethane	9.49	780	11403	11.03	UG/L	93
18)	cis-1,2-Dichloroethene	10.79	910	20089	29.29	UG/L	99
19)	2-Butanone	11.00	931	2667	3.07	UG/L	77
22)	1,1,1-Trichloroethane	11.73	1004	50737	60.46	UG/L	93
23)	Carbon tetrachloride	11.74	1005	6781	10.84	UG/L	94
25)	BENZENE-D6	12.41	1073	24611	10.30	UG/L	99
28)	*TOLUENE-D8	16.26	1460	19087	10.00	UG/L	91
29)	Trichloroethene	13.84	1217	10521	16.83	UG/L	86
38)	Tetrachloroethene	17.43	1578	3950	7.41	UG/L	91
44)	*CHLOROBENZENE-D5	19.17	1753	14331	10.00	UG/L	99
53)	p BROMOFLUOROBENZENE	21.69	2002	5593	9.57	UG/L	99
67)	1,2-DICHLOROBENZENE-D4	24.99	2339	6236	9.86	UG/L	88

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG038::D4 Quant Output File: ^AG038::D3
Name: 93SV01D02 200UL:5ML Instrument ID: HP MSD#1
Misc: 12/10/92 624 VOC

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921210 11:53

Operator ID: KELLY
Quant Time : 921210 18:22
Injected at: 921210 17:50

QUANT REPORT

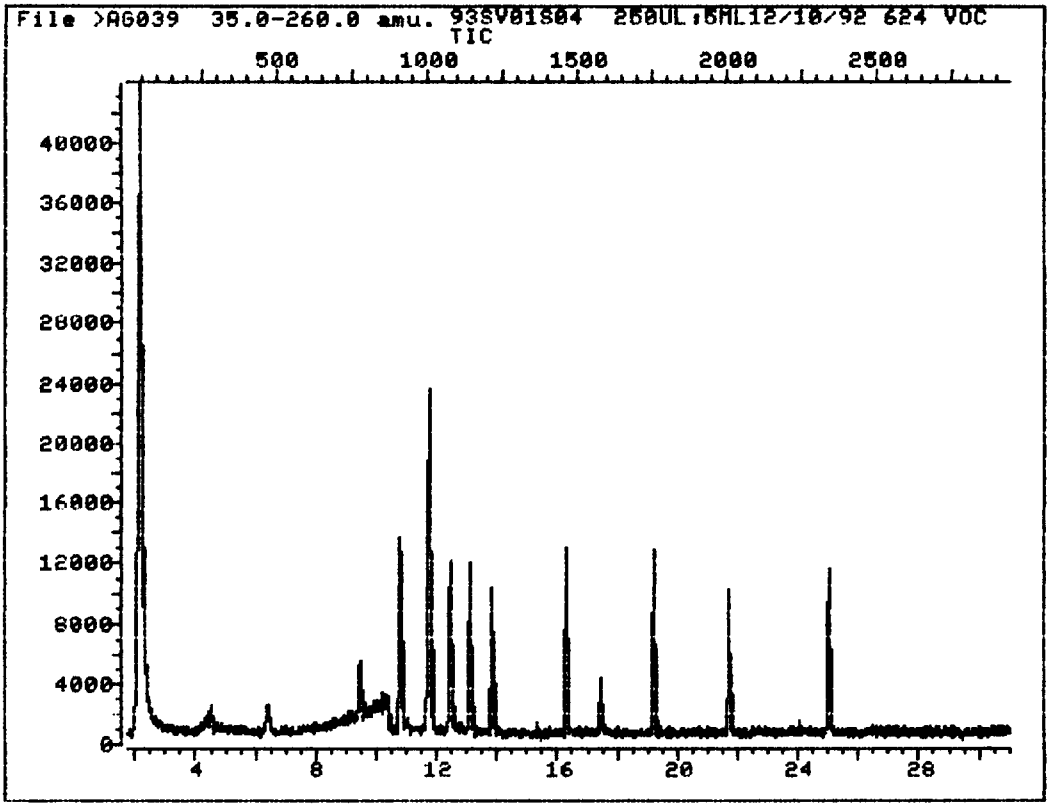
Operator ID: KELLY Quant Rev: 7 Quant Time: 921210 19:02
Output File: ^AG039::D3 Injected at: 921210 18:29
Data File: >AG039::D4 Dilution Factor: 1.00000
Name: 93SV01S04 250UL:5ML Instrument ID: HP MSD#1
Misc: 12/10/92 624 VOC

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921210 11:53

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.12	1144	23238	10.00	UG/L	99
9)	1,1-Dichloroethene	6.42	471	2616	5.07	UG/L	84
15)	1,1-Dichloroethane	9.47	778	11377	10.44	UG/L	97
18)	cis-1,2-Dichloroethene	10.79	910	13882	19.20	UG/L	93
19)	2-Butanone	11.00	931	1518	1.66	UG/L	73
22)	1,1,1-Trichloroethane	11.73	1004	43146	48.77	UG/L	94
23)	Carbon tetrachloride	11.73	1004	5670	8.60	UG/L	95
25)	BENZENE-D6	12.41	1073	25416	10.09	UG/L	98
28)	*TOLUENE-D8	16.25	1459	20149	10.00	UG/L	93
29)	Trichloroethene	13.84	1217	8237	12.48	UG/L	79
38)	Tetrachloroethene	17.44	1579	2658	4.73	UG/L	97
44)	*CHLOROBENZENE-D5	19.16	1752	14850	10.00	UG/L	97
53)	p-BROMOFLUOROBENZENE	21.69	2006	5998	9.91	UG/L	91
67)	1,2-DICHLOROBENZENE-D4	25.00	2340	6754	10.31	UG/L	91

* Compound is ISID

TOTAL ION CHROMATOGRAM



Data File: >AG039::D4 Quant Output File: ^AG039::D3
Name: 93SV01S04 250UL:5ML Instrument ID: HP MSD#1
Misc: 12/10/92 624 VOC

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921210 11:53

Operator ID: KELLY
Quant Time : 921210 19:02
Injected at: 921210 18:29

QUANT REPORT

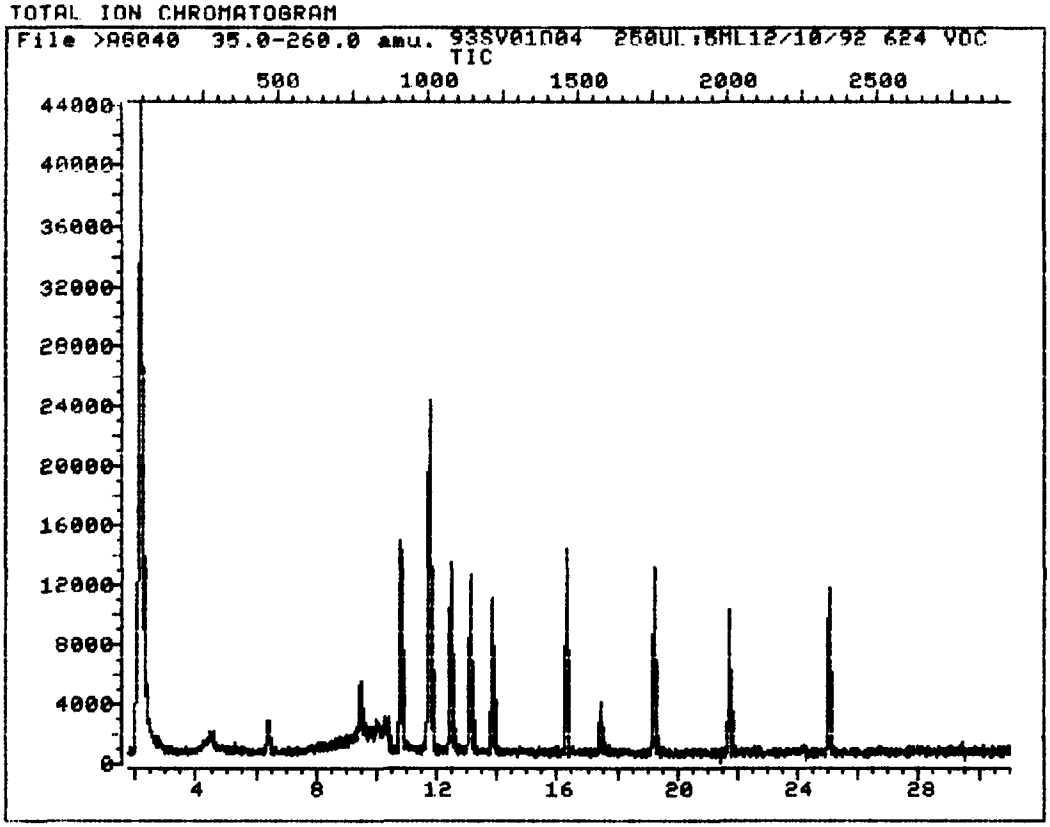
Operator ID: KELLY Quant Rev: 7 Quant Time: 921210 19:42
Output File: ^AG040::D3 Injected at: 921210 19:09
Data File: >AG040::D4 Dilution Factor: 1.00000
Name: 93SV01D04 250UL:5ML Instrument ID: HP MSD#1
Misc: 12/10/92 624 VOC

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Date: 921210 11:53

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.12	1144	24580	10.00	UG/L	97
9)	1,1-Dichloroethene	6.40	469	2539	4.65	UG/L	81
15)	1,1-Dichloroethane	9.48	779	11643	10.10	UG/L	91
18)	cis-1,2-Dichloroethene	10.79	910	14876	19.45	UG/L	97
19)	2-Butanone	11.01	932	2224M	2.30	UG/L	
22)	1,1,1-Trichloroethane	11.73	1004	44874	47.95	UG/L	92
23)	Carbon tetrachloride	11.73	1004	6237	8.94	UG/L	95
25)	BENZENE-D6	12.41	1073	27328	10.26	UG/L	98
28)	*TOLUENE-D8	16.25	1459	21319	10.00	UG/L	94
29)	Trichloroethene	13.84	1217	9119	13.06	UG/L	73
38)	Tetrachloroethene	17.43	1578	2637	4.43	UG/L	99
44)	*CHLOROBENZENE-D5	19.17	1753	15697	10.00	UG/L	92
53)	p-BROMOFLUOROBENZENE	21.69	2007	6311	9.86	UG/L	99
67)	1,2-DICHLOROBENZENE-D4	25.00	2340	7111	10.27	UG/L	91

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG040::D4 Quant Output File: ^AG040::D3
Name: 93SV01D04 250UL:5ML Instrument ID: HP MSD#1
Misc: 12/10/92 624 VOC

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921210 11:53

Operator ID: KELLY
Quant Time : 921210 19:42
Injected at: 921210 19:09

QUANT REPORT

Operator ID: KELLY
Output File: ^AG041::D3
Data File: >AG041::D4
Name: 93SV01S05 250UL:5ML
Misc: 12/10/92 624 VOC

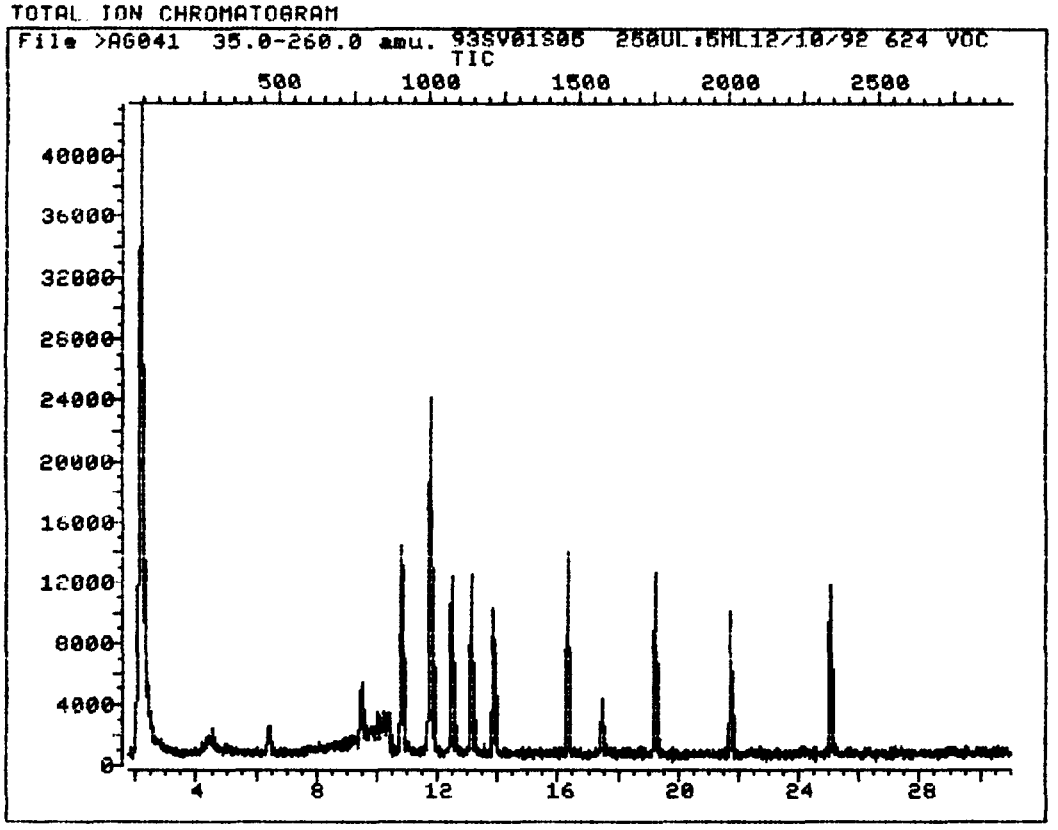
Quant Rev: 7
Quant Time: 921210 20:22
Injected at: 921210 19:49
Dilution Factor: 1.00000
Instrument ID: HP MSD#1

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22
Last Qcal Time: 921210 11:53

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.12	1144	23905	10.00	UG/L	99
9)	1,1-Dichloroethene	6.39	468	2433	4.59	UG/L	90
15)	1,1-Dichloroethane	9.47	778	11544	10.30	UG/L	94
18)	cis-1,2-Dichloroethene	10.79	910	14158	19.03	UG/L	92
19)	2-Butanone	11.00	931	2295	2.44	UG/L	65
22)	1,1,1-Trichloroethane	11.72	1003	44353	48.74	UG/L	94
23)	Carbon tetrachloride	11.73	1004	5881	8.67	UG/L	89
25)	BENZENE-D6	12.41	1073	26217	10.12	UG/L	95
28)	*TOLUENE-D8	16.25	1459	20451	10.00	UG/L	89
29)	Trichloroethene	13.84	1217	8621	12.87	UG/L	90
38)	Tetrachloroethene	17.43	1578	2594	4.54	UG/L	98
44)	*CHLOROBENZENE-D5	19.16	1752	15130	10.00	UG/L	97
53)	p-BROMOFLUOROBENZENE	21.69	2007	6167	10.00	UG/L	94
67)	1,2-DICHLOROBENZENE-D4	24.99	2339	6908	10.35	UG/L	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG041::D4 Quant Output File: ^AG041::D3
Name: 93SV01S05 250UL:5ML Instrument ID: HP MSD#1
Misc: 12/10/92 624 VOC

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921210 11:53

Operator ID: KELLY
Quant Time : 921210 20:22
Injected at: 921210 19:49

QUANT REPORT

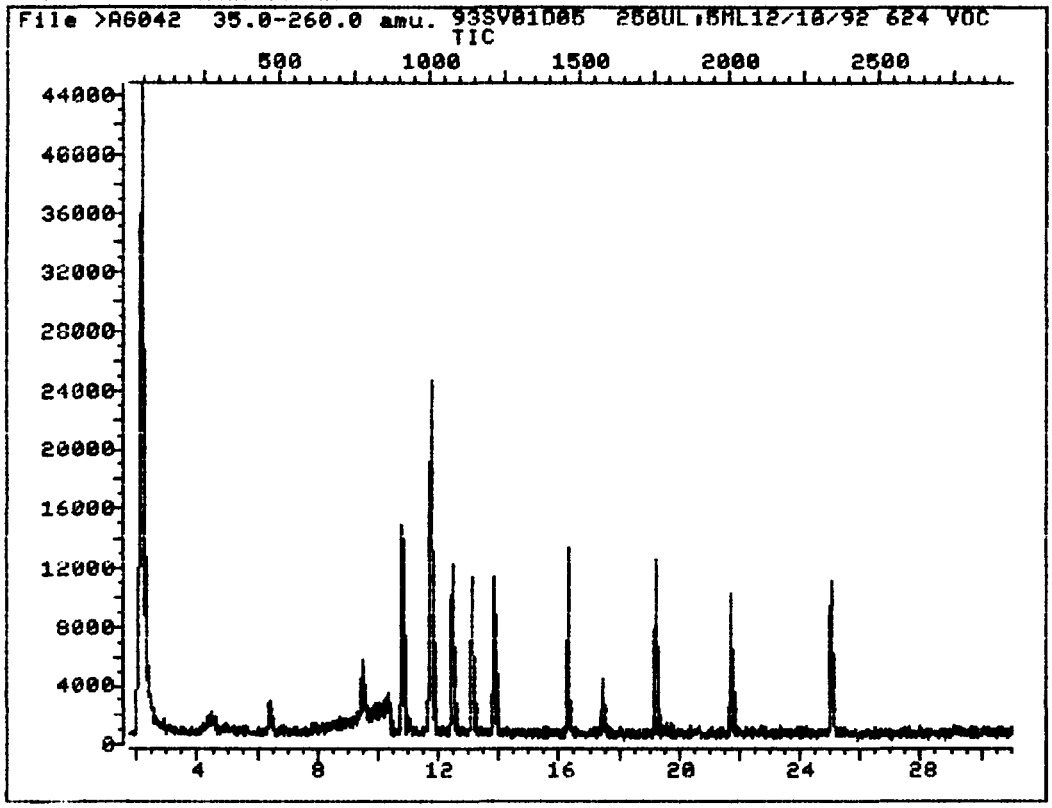
Operator ID: KELLY Quant Rev: 7 Quant Time: 921210 21:02
Output File: ^AG042::D3 Injected at: 921210 20:29
Data File: >AG042::D4 Dilution Factor: 1.00000
Name: 93SV01D05 250UL:5ML Instrument ID: HP MSD#1
Misc: 12/10/92 624 VOC

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921210 11:53

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.13	1145	22232	10.00	UG/L	95
9)	1,1-Dichloroethene	6.39	468	2570	5.21	UG/L	94
15)	1,1-Dichloroethane	9.49	780	11853	11.37	UG/L	97
18)	cis-1,2-Dichloroethene	10.79	910	14483	20.93	UG/L	93
19)	2-Butanone	11.00	931	3135	3.58	UG/L	81
22)	1,1,1-Trichloroethane	11.72	1004	45198	53.40	UG/L	95
23)	Carbon tetrachloride	11.72	1004	6241	9.89	UG/L	98
25)	BENZENE-D6	12.41	1073	25325	10.51	UG/L	97
28)	*TOLUENE-D8	16.26	1460	20026	10.00	UG/L	94
29)	Trichloroethene	13.84	1217	9221	14.05	UG/L	78
38)	Tetrachloroethene	17.43	1578	2854	5.11	UG/L	96
44)	*CHLOROBENZENE-D5	19.16	1752	14863	10.00	UG/L	97
53)	p-BROMOFLUOROBENZENE	21.69	2007	6034	9.96	UG/L	95
67)	1,2-DICHLOROBENZENE-D4	24.99	2339	6698	10.21	UG/L	87

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG042::D4 Quant Output File: ^AG042::D3
Name: 93SV01D05 250UL:5ML Instrument ID: HP MSD#1
Misc: 12/10/92 624 VOC

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921210 11:53

Operator ID: KELLY
Quant Time : 921210 21:02
Injected at: 921210 20:29

PROCEDURE: TCA DIAGNOSTIC REPORT 12/10/92 14:03:12
DATA FILE: 1210BLK2
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	2	0	6	6	1	41	VP_IS/VP_SURR
3	3	1	0	12	5	2	47	VP_IS/VP_CMPDS1
3	3	1	0	12	5	1	50	VP_IS/VP_CMPDS2
3	3	1	0	12	3	1	0	VP_IS/VP_CMPDS3
3	3	1	0	14	10	1	50	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 17 FOUND

< COMPOUND >				< ---------- SEARCH ---------- >			< SAT >		< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	280	281	281	.	1	959	.	128	281	.	1
2	VP	2	553	554	554	.	2	985	.	77	554	.	1
3	VP	3	673	674	674	.	1	988	.	55	674	.	1
4	VP	4	362	363	362	-1	1	985	.	65	362	.	1
5	VP	5	506	507	507	.	1	971	.	84	507	.	1
6	VP	6	699	700	700	.	1	994	.	98	700	.	1
7	VP	7	-52	53	.	.	.	.	.	50	.	.	.
8	VP	8	-82	83	.	.	.	.	.	94	.	.	.
9	VP	9	-90	91	.	.	.	.	.	62	.	.	.
10	VP	10	-121	122	.	.	.	.	.	64	121	.	1
11	VP	11	184	185	185	.	2	986	.	84	184	-1	1
12	VP	12	-206	207	.	.	.	.	.	43	205	.	1
13	VP	13	-208	209	.	.	.	.	.	56	.	.	.
14	VP	14	231	232	231	-1	1	996	.	76	231	.	1
15	VP	15	-228	229	.	.	.	.	.	53	.	.	.
16	VP	16	-265	266	.	.	.	.	.	96	266	.	1
17	VP	17	-303	304	.	.	.	.	.	63	304	.	1
18	VP	18	-325	326	.	.	.	.	.	96	327	.	1
19	VP	19	-343	344	344	.	1	921	.	83	344	.	1
20	VP	20	-365	366	.	.	.	.	.	62	365	.	1
21	VP	21	364	365	364	-1	1	995	.	72	365	1	1
22	VP	22	-402	403	.	.	.	.	.	97	403	.	1
23	VP	23	-402	403	.	.	.	.	.	117	403	.	1
24	VP	24	-420	421	.	.	.	.	.	43	421	.	1
25	VP	25	-430	431	.	.	.	.	.	83	432	.	1
26	VP	26	-470	471	.	.	.	.	.	63	470	.	1
27	VP	27	-478	479	.	.	.	.	.	75	480	.	1
28	VP	28	-495	496	.	.	.	.	.	130	496	.	1
29	VP	29	-514	515	.	.	.	.	.	129	515	.	1
30	VP	30	-517	518	.	.	.	.	.	97	518	.	1
31	VP	31	-511	512	.	.	.	.	.	78	510	.	1
32	VP	32	-516	517	.	.	.	.	.	75	519	.	1
33	VP	33	-549	550	.	.	.	.	.	63	.	.	.
34	VP	34	-595	596	.	.	.	.	.	173	596	.	1
35	VP	35	609	610	610	.	1	944	.	43	610	.	1
36	VP	36	-655	656	.	.	.	.	.	43	.	.	.
37	VP	37	-666	667	.	.	.	.	.	164	667	.	1
38	VP	38	-665	666	.	.	.	.	.	83	665	.	1
39	VP	39	704	705	705	.	1	946	.	92	706	1	1
40	VP	40	740	741	741	.	1	921	.	112	740	-1	1
41	VP	41	797	798	798	.	1	983	.	106	798	.	1
42	VP	42	916	917	918	1	1	972	.	104	916	-2	1
43	VP	44	924	925	925	.	1	965	.	106	923	-2	1
44	VP	45	952	953	952	-1	1	946	.	106	954	2	1

Quantitation Report File: 1210BLK2

Data: 1210BLK2.TI
12/10/92 13:12:00
Sample: CLP,1077,,1210BLK2,L,W,,V,BLANK
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	281	9:22	1	1.000	A BB	71925.	10.000 UG/L	14.98
2	77	554	18:28	2	1.000	A BB	215825.	10.000 UG/L	14.98
3	55	674	22:28	3	1.000	A BB	142783.	10.000 UG/L	14.98
4	65	362	12:04	1	1.288	A BB	53299.	9.621 UG/L	14.41
5	84	507	16:54	2	0.915	A BB	218389.	9.737 UG/L	14.59
6	98	700	23:20	3	1.039	A BB	398613.	10.000 UG/L	14.98
7	NOT	FOUND							
8	NOT	FOUND							
9	NOT	FOUND							
10	64	121	4:02	1	0.431	A VB	237.	0.513 UG/L	0.77
11	84	184	6:08	1	0.655	A BV	1835.	0.363 UG/L	0.54
12	43	205	6:50	1	0.730	A BB	383.	0.787 UG/L	1.18
13	NOT	FOUND							
14	76	231	7:42	1	0.822	A BB	2171.	0.095 UG/L	0.14
15	NOT	FOUND							
16	96	266	8:52	1	0.947	A BB	898.	0.076 UG/L	0.11
17	63	304	10:08	1	1.082	A BB	760.	0.035 UG/L	0.05
18	96	327	10:54	1	1.164	A BB	784.	0.061 UG/L	0.09
19	83	344	11:28	1	1.224	A BB	3265.	0.142 UG/L	0.21
20	62	365	12:10	1	1.299	A BB	313.	0.038 UG/L	0.06
21	72	365	12:10	2	0.659	A BB	1073.	3.393 UG/L	5.08
22	97	403	13:26	2	0.727	A BB	1118.	0.079 UG/L	0.12
23	117	403	13:26	2	0.727	A BB	75.	0.007 UG/L	0.01
24	43	421	14:02	2	0.760	A BB	207.	0.027 UG/L	0.04
25	83	432	14:24	2	0.780	A BB	1057.	0.068 UG/L	0.10
26	63	470	15:40	2	0.848	A BB	472.	0.037 UG/L	0.06
27	75	480	16:00	2	0.866	A BB	1075.	0.071 UG/L	0.11
28	130	496	16:32	2	0.895	A BB	4015.	0.262 UG/L	0.39
29	129	515	17:10	2	0.930	A BB	588.	0.042 UG/L	0.06
30	97	518	17:16	2	0.935	A BB	296.	0.037 UG/L	0.06
31	78	510	17:00	2	0.921	A BB	3960.	0.130 UG/L	0.19
32	75	519	17:18	2	0.937	A BB	63.	0.006 UG/L	0.01
33	NOT	FOUND							
34	173	596	19:52	2	1.076	A BB	278.	0.028 UG/L	0.04
35	43	610	20:20	3	0.905	A BB	548.	0.112 UG/L	0.17
36	NOT	FOUND							
37	164	667	22:14	3	0.990	A BB	2077.	0.126 UG/L	0.19
38	83	665	22:10	3	0.987	A BB	395.	0.043 UG/L	0.06
39	92	706	23:32	3	1.047	A BB	3498.	0.158 UG/L	0.24
40	112	740	24:40	3	1.098	A BB	2414.	0.085 UG/L	0.13
41	106	798	26:36	3	1.184	A BB	1741.	0.117 UG/L	0.18
42	104	916	30:32	3	1.359	A BB	2519.	0.103 UG/L	0.15
43	106	923	30:46	3	1.369	A BB	2854.	0.177 UG/L	0.27
44	106	954	31:48	3	1.415	A BB	2931.	0.190 UG/L	0.28

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:20	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:04	1.00	1.293	1.00	9.62	10.00	0.741	0.770	0.96
5	16:52	1.00	0.915	1.00	9.74	10.00	1.012	1.039	0.97
6	23:18	1.00	1.039	1.00	10.00	10.00	2.792	2.792	1.00
7	1:42		0.182						
8	2:40		0.286						
9	2:56		0.314						
10	4:00	1.01	0.429	1.00	0.51	30.00	0.001	0.064	0.02

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:10	0.99	0.661	0.99	0.36	15.00	0.017	0.702	0.02
12	6:48	1.00	0.729	1.00	0.79	75.00	0.001	0.068	0.01
13	6:54		0.739						
14	7:38	1.01	0.818	1.01	0.09	15.00	0.020	3.191	0.01
15	7:34		0.811						
16	8:50	1.00	0.946	1.00	0.08	15.00	0.008	1.634	0.01
17	10:06	1.00	1.082	1.00	0.04	15.00	0.007	3.014	0.00
18	10:50	1.01	1.161	1.00	0.06	15.00	0.007	1.777	0.00
19	11:26	1.00	1.225	1.00	0.14	15.00	0.030	3.204	0.01
20	12:10	1.00	1.304	1.00	0.04	15.00	0.003	1.154	0.00
21	12:06	1.01	0.656	1.00	3.39	75.00	0.001	0.015	0.05
22	13:24	1.00	0.727	1.00	0.08	15.00	0.003	0.658	0.01
23	13:46	0.98	0.747	0.97	0.01	15.00	0.000	0.519	0.00
24	14:00	1.00	0.759	1.00	0.03	30.00	0.000	0.354	0.00
25	14:20	1.00	0.778	1.00	0.07	15.00	0.003	0.719	0.00
26	15:40	1.00	0.850	1.00	0.04	15.00	0.001	0.586	0.00
27	15:56	1.00	0.864	1.00	0.07	24.30	0.002	0.698	0.00
28	16:30	1.00	0.895	1.00	0.26	15.00	0.012	0.711	0.02
29	17:08	1.00	0.929	1.00	0.04	15.00	0.002	0.649	0.00
30	17:14	1.00	0.935	1.00	0.04	15.00	0.001	0.369	0.00
31	17:02	1.00	0.924	1.00	0.13	15.00	0.012	1.414	0.01
32	17:14	1.00	0.935	1.00	0.01	5.70	0.001	0.499	0.00
33	18:18		0.993						
34	19:50	1.00	1.076	1.00	0.03	15.00	0.001	0.468	0.00
35	20:16	1.00	0.903	1.00	0.11	30.00	0.001	0.342	0.00
36	21:50		0.973						
37	22:12	1.00	0.990	1.00	0.13	15.00	0.010	1.156	0.01
38	22:08	1.00	0.987	1.00	0.04	15.00	0.002	0.639	0.00
39	23:30	1.00	1.048	1.00	0.16	15.00	0.016	1.553	0.01
40	24:38	1.00	1.098	1.00	0.09	15.00	0.011	1.985	0.01
41	26:34	1.00	1.184	1.00	0.12	15.00	0.008	1.039	0.01
42	30:30	1.00	1.360	1.00	0.10	15.00	0.012	1.708	0.01
43	30:44	1.00	1.370	1.00	0.18	15.00	0.013	1.128	0.01
44	31:42	1.00	1.413	1.00	0.19	15.00	0.014	1.081	0.01

PROCEDURE: TCA DIAGNOSTIC REPORT 12/10/92 15:57:51
DATA FILE: 1077R05
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	3	0	6	6	1	54	VP_IS/VP_SURR
3	3	1	0	12	6	4	128	VP_IS/VP_CMPDS1
3	3	1	0	12	5	1	50	VP_IS/VP_CMPDS2
3	3	1	0	12	3	1	0	VP_IS/VP_CMPDS3
3	3	1	0	14	8	1	116	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 16 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >											
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	280	281	281	.	1	967	.	128	281	.	1
2	VP	2	553	554	554	.	3	993	.	77	554	.	1
3	VP	3	673	674	674	.	1	993	.	55	674	.	1
4	VP	4	362	362	362	.	1	989	.	65	362	.	1
5	VP	5	507	508	507	-1	1	975	.	84	507	.	1
6	VP	6	699	700	700	.	1	998	.	98	700	.	1
7	VP	7	-51	51	.	.	.	.	.	50	51	.	1
8	VP	8	-81	81	.	.	.	.	.	94	.	.	.
9	VP	9	-89	89	.	.	.	.	.	62	.	.	.
10	VP	10	-120	120	.	.	.	.	.	64	122	.	1
11	VP	11	183	183	184	1	2	991	.	84	185	1	1
12	VP	12	-205	205	.	.	.	.	.	43	207	.	1
13	VP	13	-207	207	205	-2	1	809	.	56	205	.	1
14	VP	14	229	229	230	1	2	921	.	76	230	.	1
15	VP	15	-227	227	.	.	.	.	.	53	.	.	.
16	VP	16	-265	266	.	.	.	.	.	96	266	.	1
17	VP	17	-303	304	.	.	.	.	.	63	.	.	.
18	VP	18	-325	326	.	.	.	.	.	96	.	.	.
19	VP	19	343	344	344	.	1	924	.	83	344	.	1
20	VP	20	-365	366	.	.	.	.	.	62	.	.	.
21	VP	21	364	365	364	-1	1	992	.	72	365	1	1
22	VP	22	-402	403	.	.	.	.	.	97	402	.	1
23	VP	23	-402	403	.	.	.	.	.	117	402	.	1
24	VP	24	-420	421	.	.	.	.	.	43	421	.	1
25	VP	25	431	432	.	.	.	.	.	83	432	.	1
26	VP	26	-470	471	.	.	.	.	.	63	.	.	.
27	VP	27	-478	479	.	.	.	.	.	75	.	.	.
28	VP	28	-495	496	.	.	.	.	.	130	497	.	1
29	VP	29	-514	515	.	.	.	.	.	129	516	.	1
30	VP	30	-517	518	.	.	.	.	.	97	.	.	.
31	VP	31	-511	512	.	.	.	.	.	78	511	.	1
32	VP	32	-516	517	.	.	.	.	.	75	.	.	.
33	VP	33	-549	550	.	.	.	.	.	63	.	.	.
34	VP	34	-595	596	.	.	.	.	.	173	595	.	1
35	VP	35	-609	609	.	.	.	.	.	43	610	.	1
36	VP	36	-655	655	.	.	.	.	.	43	654	.	1
37	VP	37	-666	666	.	.	.	.	.	164	666	.	1
38	VP	38	-665	665	.	.	.	.	.	83	.	.	.
39	VP	39	705	705	705	.	1	981	.	92	705	.	1
40	VP	40	-741	741	.	.	.	.	.	112	742	.	1
41	VP	41	797	797	798	1	1	992	.	106	798	.	1
42	VP	42	920	919	920	1	1	917	.	104	.	.	.
43	VP	44	923	922	922	.	1	990	.	106	923	1	1
44	VP	45	953	952	950	-2	1	989	.	106	.	.	.

Quantitation Report File: 1077R05

Data: 1077R05.TI
12/10/92 15:05:00
Sample: CLP,1077,,1077R05,L,W,,V,EPA
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	281	9:22	1	1.000	A BB	61643.	10.000 UG/L	13.51
2	77	554	18:28	2	1.000	A BB	187628.	10.000 UG/L	13.51
3	55	674	22:28	3	1.000	A BB	132804.	10.000 UG/L	13.51
4	65	362	12:04	1	1.288	A BB	52212.	10.997 UG/L	14.86
5	84	507	16:54	2	0.915	A BB	192485.	9.872 UG/L	13.34
6	98	700	23:20	3	1.039	A BB	348112.	9.389 UG/L	12.68
7	50	51	1:42	1	0.181	A VV	162.	0.186 UG/L	0.25
8	NOT FOUND								
9	NOT FOUND								
10	64	122	4:04	1	0.434	A VB	137.	0.346 UG/L	0.47
11	84	185	6:10	1	0.658	A BB	2723.	0.629 UG/L	0.85
12	43	207	6:54	1	0.737	A BV	841.	2.015 UG/L	2.72
13	56	205	6:50	1	0.730	A BB	399.	4.310 UG/L	5.82
14	76	230	7:40	1	0.819	A BB	362.	0.018 UG/L	0.02
15	NOT FOUND								
16	96	266	8:52	1	0.947	A BB	74.	0.007 UG/L	0.01
17	NOT FOUND								
18	NOT FOUND								
19	83	344	11:28	1	1.224	A BB	3032.	0.154 UG/L	0.21
20	NOT FOUND								
21	72	365	12:10	2	0.659	A BB	1137.	4.136 UG/L	5.59
22	97	402	13:24	2	0.726	A BB	1746.	0.142 UG/L	0.19
23	117	402	13:24	2	0.726	A BB	102.	0.010 UG/L	0.01
24	43	421	14:02	2	0.760	A BB	344.	0.052 UG/L	0.07
25	83	432	14:24	2	0.780	A BB	1108.	0.082 UG/L	0.11
26	NOT FOUND								
27	NOT FOUND								
28	130	497	16:34	2	0.897	A BB	1588.	0.119 UG/L	0.16
29	129	516	17:12	2	0.931	A BB	1046.	0.086 UG/L	0.12
30	NOT FOUND								
31	78	511	17:02	2	0.922	A BB	2860.	0.108 UG/L	0.15
32	NOT FOUND								
33	NOT FOUND								
34	173	595	19:50	2	1.074	A BB	440.	0.050 UG/L	0.07
35	43	610	20:20	3	0.905	A BB	404.	0.089 UG/L	0.12
36	43	654	21:48	3	0.970	A BB	134.	0.046 UG/L	0.06
37	164	666	22:12	3	0.988	A BB	1626.	0.106 UG/L	0.14
38	NOT FOUND								
39	92	705	23:30	3	1.046	A BB	7456.	0.362 UG/L	0.49
40	112	742	24:44	3	1.101	A BB	314.	0.012 UG/L	0.02
41	106	798	26:36	3	1.184	A BB	3202.	0.232 UG/L	0.31
42	NOT FOUND								
43	106	923	30:46	3	1.369	A BB	7079.	0.473 UG/L	0.64
44	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:20	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:04	1.00	1.293	1.00	11.00	10.00	0.847	0.770	1.10
5	16:52	1.00	0.915	1.00	9.87	10.00	1.026	1.039	0.99
6	23:18	1.00	1.039	1.00	9.39	10.00	2.621	2.792	0.94
7	1:42	1.00	0.182	1.00	0.19	30.00	0.001	0.142	0.01
8	2:40		0.286						
9	2:56		0.314						
10	4:00	1.02	0.429	1.01	0.35	30.00	0.001	0.064	0.01

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:10	1.00	0.661	1.00	0.63	15.00	0.029	0.702	0.04
12	6:48	1.01	0.729	1.01	2.02	75.00	0.002	0.068	0.03
13	6:54	0.99	0.739	0.99	4.31	75.00	0.001	0.015	0.06
14	7:38	1.00	0.818	1.00	0.02	15.00	0.004	3.191	0.00
15	7:34		0.811						
16	8:50	1.00	0.946	1.00	0.01	15.00	0.001	1.634	0.00
17	10:06		1.082						
18	10:50		1.161						
19	11:26	1.00	1.225	1.00	0.15	15.00	0.033	3.204	0.01
20	12:10		1.304						
21	12:06	1.01	0.656	1.00	4.14	75.00	0.001	0.015	0.06
22	13:24	1.00	0.727	1.00	0.14	15.00	0.006	0.658	0.01
23	13:46	0.97	0.747	0.97	0.01	15.00	0.000	0.519	0.00
24	14:00	1.00	0.759	1.00	0.05	30.00	0.001	0.354	0.00
25	14:20	1.00	0.778	1.00	0.08	15.00	0.004	0.719	0.01
26	15:40		0.850						
27	15:56		0.864						
28	16:30	1.00	0.895	1.00	0.12	15.00	0.006	0.711	0.01
29	17:08	1.00	0.929	1.00	0.09	15.00	0.004	0.649	0.01
30	17:14		0.935						
31	17:02	1.00	0.924	1.00	0.11	15.00	0.010	1.414	0.01
32	17:14		0.935						
33	18:18		0.993						
34	19:50	1.00	1.076	1.00	0.05	15.00	0.002	0.468	0.00
35	20:16	1.00	0.903	1.00	0.09	30.00	0.001	0.342	0.00
36	21:50	1.00	0.973	1.00	0.05	30.00	0.000	0.219	0.00
37	22:12	1.00	0.990	1.00	0.11	15.00	0.008	1.156	0.01
38	22:08		0.987						
39	23:30	1.00	1.048	1.00	0.36	15.00	0.037	1.553	0.02
40	24:38	1.00	1.098	1.00	0.01	15.00	0.002	1.985	0.00
41	26:34	1.00	1.184	1.00	0.23	15.00	0.016	1.039	0.02
42	30:30		1.360						
43	30:44	1.00	1.370	1.00	0.47	15.00	0.036	1.128	0.03
44	31:42		1.413						

TCA FINISHED, 16 FOUND
FINISHED AT: 12/10/92 16:03:25

PROCEDURE: TCA DIAGNOSTIC REPORT 12/10/92 16:55:46
DATA FILE: 1077R06
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	0	6	6	1	41	VP_IS/VP_SURR
3	3	1	0	12	6	1	83	VP_IS/VP_CMPDS1
3	3	1	0	12	4	1	0	VP_IS/VP_CMPDS2
3	3	1	0	12	3	1	0	VP_IS/VP_CMPDS3
3	3	1	0	14	8	1	66	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 15 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	281	280	280	.	1	967	.	128	280	.	1
2	VP	2	554	553	553	.	1	997	.	77	553	.	1
3	VP	3	674	673	673	.	1	994	.	55	673	.	1
4	VP	4	362	361	362	1	1	989	.	65	362	.	1
5	VP	5	507	506	506	.	1	976	.	84	506	.	1
6	VP	6	700	699	699	.	1	998	.	98	699	.	1
7	VP	7	-51	50	.	.	.	.	.	50	50	.	1
8	VP	8	-81	80	.	.	.	.	.	94	.	.	.
9	VP	9	-89	88	.	.	.	.	.	62	.	.	.
10	VP	10	-120	119	.	.	.	.	.	64	117	.	1
11	VP	11	184	183	184	1	1	930	.	84	184	.	1
12	VP	12	-205	204	.	.	.	.	.	43	204	.	1
13	VP	13	205	204	203	-1	1	678	.	56	203	.	1
14	VP	14	230	229	230	1	1	920	.	76	230	.	1
15	VP	15	-227	226	.	.	.	.	.	53	.	.	.
16	VP	16	-266	265	.	.	.	.	.	96	.	.	.
17	VP	17	-304	303	.	.	.	.	.	63	.	.	.
18	VP	18	-326	325	.	.	.	.	.	96	.	.	.
19	VP	19	344	343	.	.	.	.	.	83	343	.	1
20	VP	20	-366	365	.	.	.	.	.	62	.	.	.
21	VP	21	364	363	363	.	1	996	.	72	364	1	1
22	VP	22	-403	402	.	.	.	.	.	97	402	.	1
23	VP	23	-403	402	.	.	.	.	.	117	.	.	.
24	VP	24	-421	420	.	.	.	.	.	43	420	.	1
25	VP	25	-432	431	.	.	.	.	.	83	431	.	1
26	VP	26	-471	470	.	.	.	.	.	63	.	.	.
27	VP	27	-479	478	.	.	.	.	.	75	.	.	.
28	VP	28	-496	495	.	.	.	.	.	130	495	.	1
29	VP	29	-515	514	.	.	.	.	.	129	514	.	1
30	VP	30	-518	517	.	.	.	.	.	97	.	.	.
31	VP	31	-512	511	.	.	.	.	.	78	509	.	1
32	VP	32	-517	516	.	.	.	.	.	75	.	.	.
33	VP	33	-550	549	.	.	.	.	.	63	.	.	.
34	VP	34	-596	595	.	.	.	.	.	173	595	.	1
35	VP	35	-609	608	.	.	.	.	.	43	.	.	.
36	VP	36	-655	655	.	.	.	.	.	43	.	.	.
37	VP	37	-666	666	.	.	.	.	.	164	666	.	1
38	VP	38	-665	665	.	.	.	.	.	83	665	.	1
39	VP	39	705	705	705	.	1	988	.	92	704	-1	1
40	VP	40	-741	741	.	.	.	.	.	112	741	.	1
41	VP	41	798	798	797	-1	1	981	.	106	797	.	1
42	VP	42	920	920	920	.	1	907	.	104	.	.	.
43	VP	44	922	922	923	1	1	984	.	106	922	-1	1
44	VP	45	950	950	951	1	1	985	.	106	951	.	1

Quantitation Report File: 1077R06

Data: 1077R06.TI
12/10/92 16:03:00
Sample: CLP,1077,,1077R06,L,W,,V,EPA
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	280	9:20	1	1.000	A BB	41940.	10.000 UG/L	13.74
2	77	553	18:26	2	1.000	A BB	117382.	10.000 UG/L	13.74
3	55	673	22:26	3	1.000	A BB	86339.	10.000 UG/L	13.74
4	65	362	12:04	1	1.293	A BB	35956.	11.131 UG/L	15.29
5	84	506	16:52	2	0.915	A BB	122111.	10.011 UG/L	13.75
6	98	699	23:18	3	1.039	A BB	218343.	9.058 UG/L	12.44
7	50	50	1:40	1	0.179	A VB	653.	1.100 UG/L	1.51
8	NOT FOUND								
9	NOT FOUND								
10	64	117	3:54	1	0.418	A BB	216.	0.801 UG/L	1.10
11	84	184	6:08	1	0.657	A BV	1211.	0.411 UG/L	0.56
12	43	204	6:48	1	0.729	A BB	968.	3.409 UG/L	4.68
13	56	203	6:46	1	0.725	A BB	159.	2.524 UG/L	3.47
14	76	230	7:40	1	0.821	A BB	426.	0.032 UG/L	0.04
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	83	343	11:26	1	1.225	A BB	2515.	0.187 UG/L	0.26
20	NOT FOUND								
21	72	364	12:08	2	0.658	A BB	307.	1.785 UG/L	2.45
22	97	402	13:24	2	0.727	A BB	1010.	0.131 UG/L	0.18
23	NOT FOUND								
24	43	420	14:00	2	0.759	A BV	361.	0.087 UG/L	0.12
25	83	431	14:22	2	0.779	A BB	901.	0.107 UG/L	0.15
26	NOT FOUND								
27	NOT FOUND								
28	130	495	16:30	2	0.895	A BB	808.	0.097 UG/L	0.13
29	129	514	17:08	2	0.929	A BB	944.	0.124 UG/L	0.17
30	NOT FOUND								
31	78	509	16:58	2	0.920	A BB	1662.	0.100 UG/L	0.14
32	NOT FOUND								
33	NOT FOUND								
34	173	595	19:50	2	1.076	A BB	297.	0.054 UG/L	0.07
35	NOT FOUND								
36	NOT FOUND								
37	164	666	22:12	3	0.990	A BB	1109.	0.111 UG/L	0.15
38	83	665	22:10	3	0.988	A BB	54.	0.010 UG/L	0.01
39	92	704	23:28	3	1.046	A BB	5906.	0.441 UG/L	0.61
40	112	741	24:42	3	1.101	A BB	51.	0.003 UG/L	0.00
41	106	797	26:34	3	1.184	A BB	1746.	0.195 UG/L	0.27
42	NOT FOUND								
43	106	922	30:44	3	1.370	A BB	4571.	0.470 UG/L	0.64
44	106	951	31:42	3	1.413	A BB	4085.	0.438 UG/L	0.60

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:20	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:04	1.00	1.293	1.00	11.13	10.00	0.857	0.770	1.11
5	16:52	1.00	0.915	1.00	10.01	10.00	1.040	1.039	1.00
6	23:18	1.00	1.039	1.00	9.06	10.00	2.529	2.792	0.91
7	1:42	0.98	0.182	0.98	1.10	30.00	0.005	0.142	0.04
8	2:40		0.286						
9	2:56		0.314						
10	4:00	0.97	0.429	0.98	0.80	30.00	0.002	0.064	0.03

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:10	0.99	0.661	0.99	0.41	15.00	0.019	0.702	0.03
12	6:48	1.00	0.729	1.00	3.41	75.00	0.003	0.068	0.05
13	6:54	0.98	0.739	0.98	2.52	75.00	0.001	0.015	0.03
14	7:38	1.00	0.818	1.00	0.03	15.00	0.007	3.191	0.00
15	7:34		0.811						
16	8:50		0.946						
17	10:06		1.082						
18	10:50		1.161						
19	11:26	1.00	1.225	1.00	0.19	15.00	0.040	3.204	0.01
20	12:10		1.304						
21	12:06	1.00	0.656	1.00	1.79	75.00	0.000	0.015	0.02
22	13:24	1.00	0.727	1.00	0.13	15.00	0.006	0.658	0.01
23	13:46		0.747						
24	14:00	1.00	0.759	1.00	0.09	30.00	0.001	0.354	0.00
25	14:20	1.00	0.778	1.00	0.11	15.00	0.005	0.719	0.01
26	15:40		0.850						
27	15:56		0.864						
28	16:30	1.00	0.895	1.00	0.10	15.00	0.005	0.711	0.01
29	17:08	1.00	0.929	1.00	0.12	15.00	0.005	0.649	0.01
30	17:14		0.935						
31	17:02	1.00	0.924	1.00	0.10	15.00	0.009	1.414	0.01
32	17:14		0.935						
33	18:18		0.993						
34	19:50	1.00	1.076	1.00	0.05	15.00	0.002	0.468	0.00
35	20:16		0.903						
36	21:50		0.973						
37	22:12	1.00	0.990	1.00	0.11	15.00	0.009	1.156	0.01
38	22:08	1.00	0.987	1.00	0.01	15.00	0.000	0.639	0.00
39	23:30	1.00	1.048	1.00	0.44	15.00	0.046	1.553	0.03
40	24:38	1.00	1.098	1.00	0.00	15.00	0.000	1.985	0.00
41	26:34	1.00	1.184	1.00	0.19	15.00	0.013	1.039	0.01
42	30:30		1.360						
43	30:44	1.00	1.370	1.00	0.47	15.00	0.035	1.128	0.03
44	31:42	1.00	1.413	1.00	0.44	15.00	0.032	1.081	0.03

TCA FINISHED, 15 FOUND
FINISHED AT: 12/10/92 17:01:17

QUANT REPORT

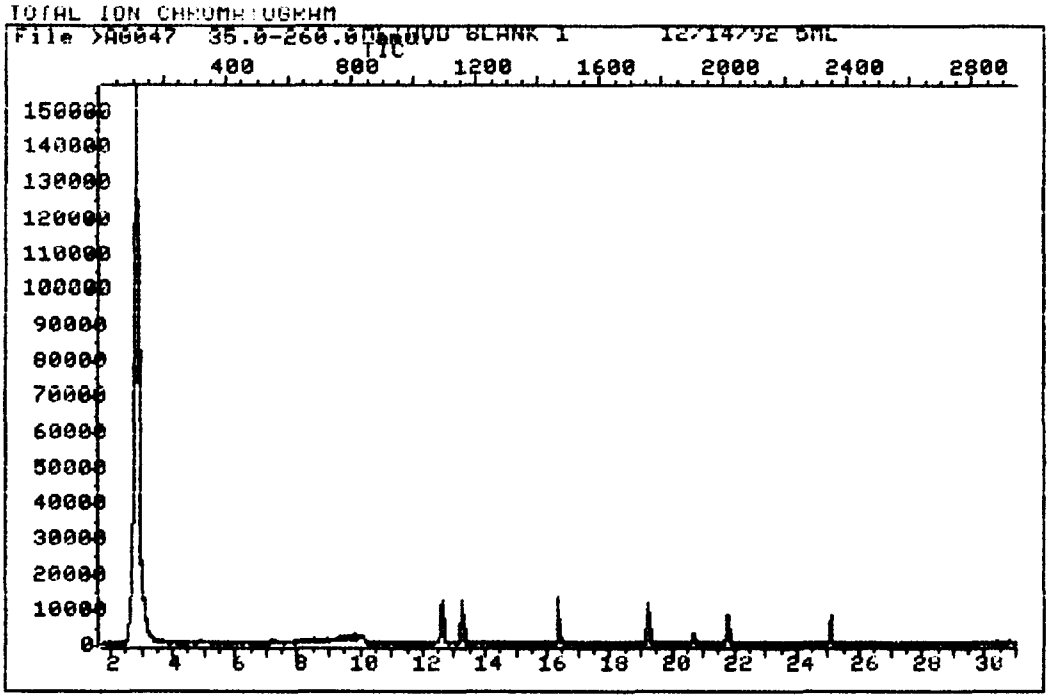
Operator ID: KELLY
Output File: ^AG047::D1
Data File: >AG047::D4
Name: METHOD BLANK 1
Misc: 12/14/92 5ML

Quant Rev: 7
Quant Time: 921214 12:39
Injected at: 921214 12:06
Dilution Factor: 1.00000
Instrument ID: HP MSD#1

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22
Last Qcal Time: 921214 10:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.24	1156	24383	10.00	UG/L	96
10)	Acetone	7.31	560	1595	2.36	UG/L	94
11)	Carbon disulfide	7.16	545	3152	1.88	UG/L	95
25)	BENZENE-D6	12.56	1088	27758	10.18	UG/L	98
26)	Benzene	12.63	1095	2651	.952	UG/L	90
28)	*TOLUENE-D8	16.31	1465	21925	10.00	UG/L	98
44)	*CHLOROBENZENE-D5	19.21	1756	14526	10.00	UG/L	95
50)	Styrene	20.67	1903	2959	2.54	UG/L	91
53)	p-BROMOFLUOROBENZENE	21.73	2010	5815	8.84	UG/L	97
67)	1,2-DICHLOROBENZENE-D4	25.02	2341	5412	8.08	UG/L	95

* Compound is ISTD



Data File: >AG047::D4 Quant Output File: ^AG047::D1
Name: METHOD BLANK 1 Instrument ID: HP MSD#1
Misc: 12/14/92 5ML

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

Operator ID: KELLY
Quant Time : 921214 12:39
Injected at: 921214 12:06

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S06

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S06

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG048

Level: (low/med) LOW Date Received: 12/08/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	75.	U
74-87-3	Chloromethane	75.	U
75-01-4	Vinyl chloride	75.	U
74-83-9	Bromomethane	75.	U
75-00-3	Chloroethane	75.	U
75-69-4	Trichlorofluoromethane	75.	U
107-64-1	Acrolein	250.	U
75-35-4	1,1-Dichloroethene	50.	U
67-64-1	Acetone	250.	U
75-15-0	Carbon disulfide	50.	U
75-09-2	Methylene chloride	50.	U
156-60-5	trans-1,2-Dichloroethene	50.	U
107-13-1	Acrylonitrile	250.	U
75-34-3	1,1-Dichloroethane	31.	J
108-05-4	Vinylacetate	250.	UJ
594-20-7	2,2-Dichloropropane	50.	U
156-59-2	cis-1,2-Dichloroethene	47.	J
78-93-3	2-Butanone	53.	J
74-97-5	Bromochloromethane	50.	U
67-66-3	Chloroform	50.	U
71-55-6	1,1,1-trichloroethane	130.	
56-23-5	Carbon tetrachloride	50.	U
563-58-6	1,1-Dichloropropene	50.	U
71-43-2	Benzene	50.	U
107-06-2	1,2-Dichloroethane	50.	U
79-01-6	Trichloroethene	50.	U
78-87-5	1,2-Dichloropropane	50.	U
74-95-3	Dibromomethane	50.	U
75-27-4	Bromodichloromethane	50.	U
10061-01-5	cis-1,3-dichloropropene	50.	U
108-88-3	Toluene	50.	U
108-10-1	4-Methyl-2-pentanone	130.	U
10061-02-6	trans-1,3-Dichloropropene	50.	U
127-18-4	Tetrachloroethene	50.	U
79-00-5	1,1,2-Trichloroethane	50.	U
142-28-9	1,3-Dichloropropane	50.	U
591-78-6	2-Hexanone	130.	UJ

nf 1/25/93

nf

Are there any TICs ? (Please check a box) YES | | NO | ✓ |

FORM I VOA 1/89 Rev.

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01S06

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01S06

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG048

Level: (low/med) LOW Date Received: 12/08/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	50.	U	
106-93-4	1,2-Dibromoethane	50.	U	
108-90-7	Chlorobenzene	50.	U	
630-20-6	1,1,1,2-Tetrachloroethane	50.	U	
100-41-4	Ethylbenzene	50.	U	
1083836423	m &/or p-Xylene	50.	U	
95-47-6	o-Xylene	50.	U	
100-42-5	Styrene	50.	U	
75-25-2	Bromoform	50.	U	
98-82-8	Isopropylbenzene	50.	U	
108-86-1	Bromobenzene	50.	U	
96-18-4	1,2,3-Trichloropropane	50.	U	
79-34-5	1,1,2,2-Tetrachloroethane	50.	UJ	nf
103-65-1	n-Propylbenzene	50.	U	
95-49-8	2-Chlorotoluene	50.	U	
106-43-4	4-Chlorotoluene	50.	U	
108-67-8	1,3,5-Trimethylbenzene	50.	U	
98-06-6	tert-Butylbenzene	50.	U	
95-63-6	1,2,4-Trimethylbenzene	50.	U	
135-98-8	sec-Butylbenzene	50.	U	
541-73-1	1,3-Dichlorobenzene	50.	U	
106-46-7	1,4-Dichlorobenzene	50.	U	
99-87-6	p-Isopropyltoluene	50.	U	
95-50-1	1,2-Dichlorobenzene	50.	U	
104-51-8	n-Butylbenzene	50.	U	
96-12-8	1,2-Dibromo-3-chloropropane	50.	UJ	nf
120-82-1	1,2,4-Trichlorobenzene	50.	U	
91-20-3	Naphthalene	50.	U	
87-68-3	Hexachlorobutadiene	50.	U	
87-61-6	1,2,3-Trichlorobenzene	50.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

QUANT REPORT

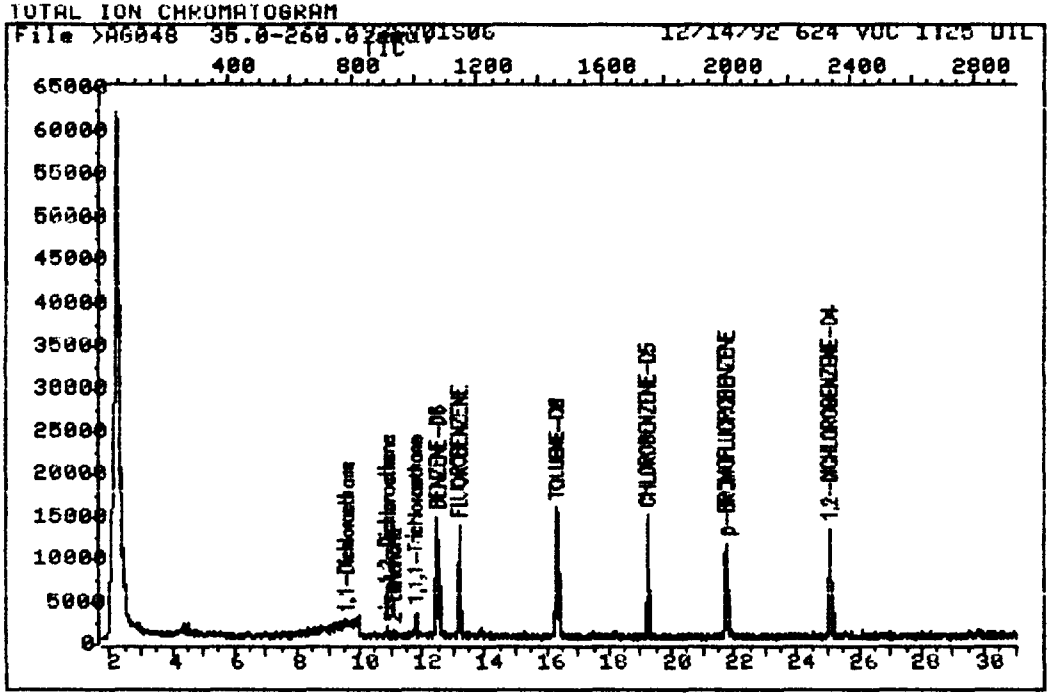
Operator ID: KELLY Quant Rev: 7 Quant Time: 921214 14:30
Output File: ^AG048::D3 Injected at: 921214 13:57
Data File: >AG048::D4 Dilution Factor: 1.00000
Name: 93SV01S06 Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.16	1143	27525	10.00	UG/L	98
15)	1,1-Dichloroethane	9.54	780	1654	1.26	UG/L	87
18)	cis-1,2-Dichloroethene	10.85	911	1699	1.86	UG/L	78
19)	2-Butanone	11.05	931	1967	2.13	UG/L	71
22)	1,1,1-Trichloroethane	11.76	1003	5498	5.37	UG/L	98
25)	BENZENE-D6	12.46	1073	31493	10.23	UG/L	98
28)	*TOLUENE-D8	16.29	1458	24636	10.00	UG/L	94
44)	*CHLOROBENZENE-D5	19.20	1751	17834	10.00	UG/L	97
53)	p-BROMOFLUOROBENZENE	21.73	2005	7622	9.44	UG/L	96
67)	1,2-DICHLOROBENZENE-D4	25.03	2337	8275	10.07	UG/L	87

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG048::D4 Quant Output File: ^AG048::D3
Name: 93SV01S06 Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

Operator ID: KELLY
Quant Time : 921214 14:30
Injected at: 921214 13:57

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01D06

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01D06

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG049

Level: (low/med) LOW Date Received: 12/08/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
124-48-1	Dibromochloromethane	50.	U	
106-93-4	1,2-Dibromoethane	50.	U	
108-90-7	Chlorobenzene	50.	U	
630-20-6	1,1,1,2-Tetrachloroethane	50.	U	
100-41-4	Ethylbenzene	50.	U	
1083836423	m &/or p-Xylene	50.	U	
95-47-6	o-Xylene	50.	U	
100-42-5	Styrene	50.	U	
75-25-2	Bromoform	50.	U	
98-82-8	Isopropylbenzene	50.	U	
108-86-1	Bromobenzene	50.	U	
96-18-4	1,2,3-Trichloropropane	50.	U	
79-34-5	1,1,2,2-Tetrachloroethane	50.	UJ	MF
103-65-1	n-Propylbenzene	50.	U	
95-49-8	2-Chlorotoluene	50.	U	
106-43-4	4-Chlorotoluene	50.	U	
108-67-8	1,3,5-Trimethylbenzene	50.	U	
98-06-6	tert-Butylbenzene	50.	U	
95-63-6	1,2,4-Trimethylbenzene	50.	U	
135-98-8	sec-Butylbenzene	50.	U	
541-73-1	1,3-Dichlorobenzene	50.	U	
106-46-7	1,4-Dichlorobenzene	50.	U	
99-87-6	p-Isopropyltoluene	50.	U	
95-50-1	1,2-Dichlorobenzene	50.	U	
104-51-8	n-Butylbenzene	50.	U	
96-12-8	1,2-Dibromo-3-chloropropane	50.	UJ	MF
120-82-1	1,2,4-Trichlorobenzene	50.	U	
91-20-3	Naphthalene	50.	U	
87-68-3	Hexachlorobutadiene	50.	U	
87-61-6	1,2,3-Trichlorobenzene	50.	U	

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES NO

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93SV01D06

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077 SAS No.: | the S SDG No.: | the S

Matrix: (soil/water) WATER Lab Sample ID: 93SV01D06

Sample wt/vol: 0.200 (g/mL) mL Lab File ID: >AG049

Level: (low/med) LOW Date Received: 12/08/92

% Moisture: not dec.---- Date Analyzed: 12/14/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	75.	U
74-87-3	Chloromethane	75.	U
75-01-4	Vinyl chloride	75.	U
74-83-9	Bromomethane	75.	U
75-00-3	Chloroethane	75.	U
75-69-4	Trichlorofluoromethane	75.	U
107-64-1	Acrolein	250.	U
75-35-4	1,1-Dichloroethene	50.	U
67-64-1	Acetone	250.	U
75-15-0	Carbon disulfide	50.	U
75-09-2	Methylene chloride	50.	U
156-60-5	trans-1,2-Dichloroethene	50.	U
107-13-1	Acrylonitrile	250.	U
75-34-3	1,1-Dichloroethane	35.	J
108-05-4	Vinylacetate	250.	U J
594-20-7	2,2-Dichloropropane	50.	U
156-59-2	cis-1,2-Dichloroethene	38.	J
78-93-3	2-Butanone	250.	U
74-97-5	Bromochloromethane	50.	U
67-66-3	Chloroform	50.	U
71-55-6	1,1,1-trichloroethane	130.	
56-23-5	Carbon tetrachloride	50.	U
563-58-6	1,1-Dichloropropene	50.	U
71-43-2	Benzene	50.	U
107-06-2	1,2-Dichloroethane	50.	U
79-01-6	Trichloroethene	50.	U
78-87-5	1,2-Dichloropropane	50.	U
74-95-3	Dibromomethane	50.	U
75-27-4	Bromodichloromethane	50.	U
10061-01-5	cis-1,3-dichloropropene	50.	U
108-88-3	Toluene	50.	U
108-10-1	4-Methyl-2-pentanone	130.	U
10061-02-6	trans-1,3-Dichloropropene	50.	U
127-18-4	Tetrachloroethene	50.	U
79-00-5	1,1,2-Trichloroethane	50.	U
142-28-9	1,3-Dichloropropane	50.	U
591-78-6	2-Hexanone	130.	U J

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Are there any TICs ? (Please check a box) YES |__| NO |✓|

FORM I VOA 1/89 Rev.

QUANT REPORT

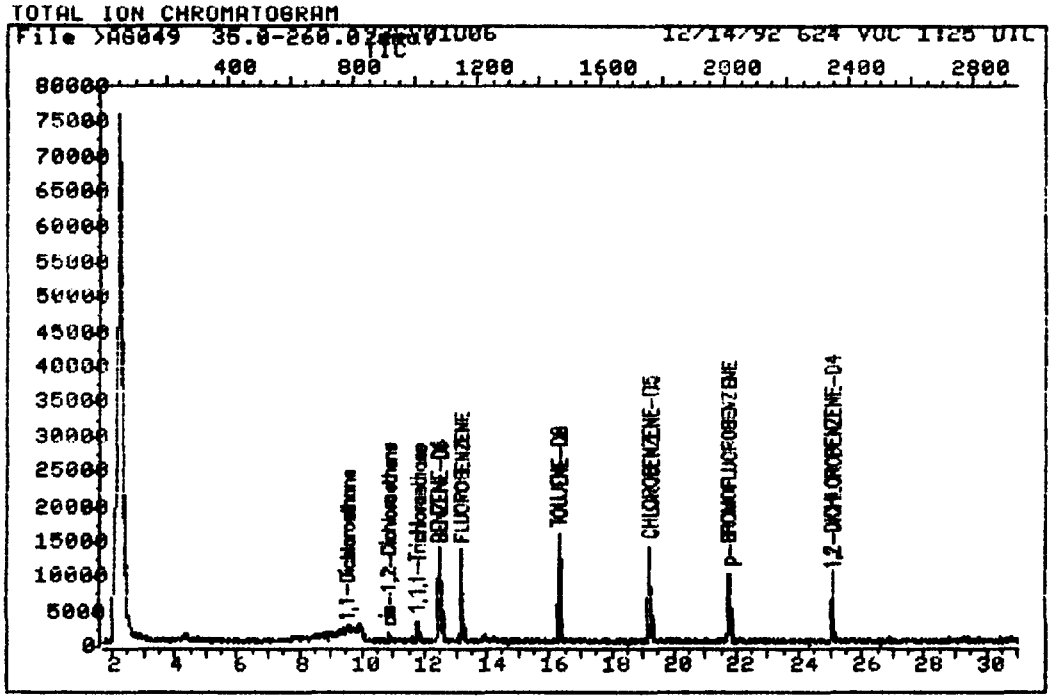
Operator ID: KELLY
Quant Rev: 7
Quant Time: 921214 15:11
Output File: ^AG049::D3
Injected at: 921214 14:38
Data File: >AG049::D4
Dilution Factor: 1.00000
Name: 93SV01D06
Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22
Last Qcal Time: 921214 10:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.15	1148	27205	10.00	UG/L	98
15)	1,1-Dichloroethane	9.51	782	1818	1.40	UG/L	97
18)	cis-1,2-Dichloroethene	10.83	914	1375	1.53	UG/L	98
22)	1,1,1-Trichloroethane	11.77	1009	5294	5.24	UG/L	86
25)	BENZENE-D6	12.45	1077	30710	10.09	UG/L	95
28)	*TOLUENE-D8	16.29	1463	24770	10.00	UG/L	93
44)	*CHLOROBENZENE-D5	19.20	1756	16853	10.00	UG/L	97
53)	p-BROMOFLUOROBENZENE	21.73	2010	6729	8.82	UG/L	97
67)	1,2-DICHLOROBENZENE-D4	25.03	2342	6352	8.18	UG/L	90

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG049::D4 Quant Output File: ^AG049::D3
Name: 93SV01D06 Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

Operator ID: KELLY
Quant Time : 921214 15:11
Injected at: 921214 14:38

QUANT REPORT

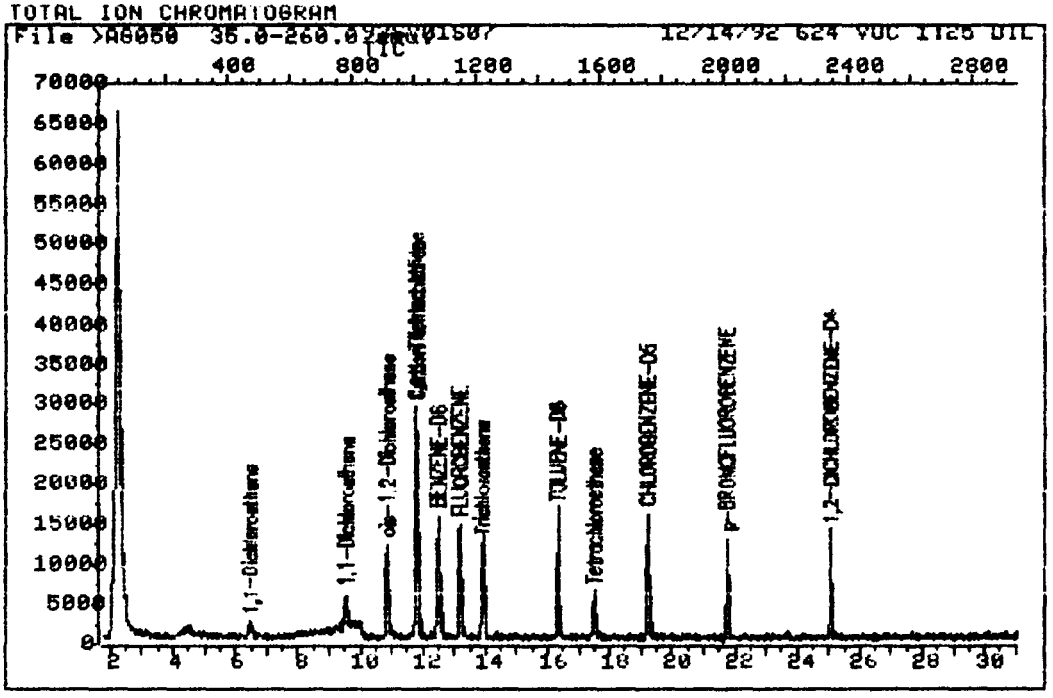
Operator ID: KELLY Quant Rev: 7 Quant Time: 921214 15:51
Output File: ^AG050::D3 Injected at: 921214 15:18
Data File: >AG050::D4 Dilution Factor: 1.00000
Name: 93SV01S07 Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.15	1147	29068	10.00	UG/L	97
9)	1,1-Dichloroethene	6.44	473	2872	4.80	UG/L	86
15)	1,1-Dichloroethane	9.52	782	12934	9.29	UG/L	96
18)	cis-1,2-Dichloroethene	10.83	913	12540	13.02	UG/L	92
22)	1,1,1-Trichloroethane	11.76	1007	56140	51.97	UG/L	94
23)	Carbon tetrachloride	11.75	1006	7596	9.69	UG/L	97
25)	BENZENE-D6	12.45	1076	33265	10.23	UG/L	97
28)	*TOLUENE-D8	16.28	1461	26444	10.00	UG/L	94
29)	Trichloroethene	13.86	1218	10857	12.67	UG/L	92
38)	Tetrachloroethene	17.46	1580	4461	5.83	UG/L	98
44)	*CHLOROBENZENE-D5	19.19	1754	19398	10.00	UG/L	99
53)	p-BROMOFLUOROBENZENE	21.72	2008	8545	9.73	UG/L	94
67)	1,2-DICHLOROBENZENE-D4	25.03	2341	8794	9.84	UG/L	91

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG050::D4 Quant Output File: ^AG050::D3
Name: 93SV01S07 Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

Operator ID: KELLY
Quant Time : 921214 15:51
Injected at: 921214 15:18

QUANT REPORT

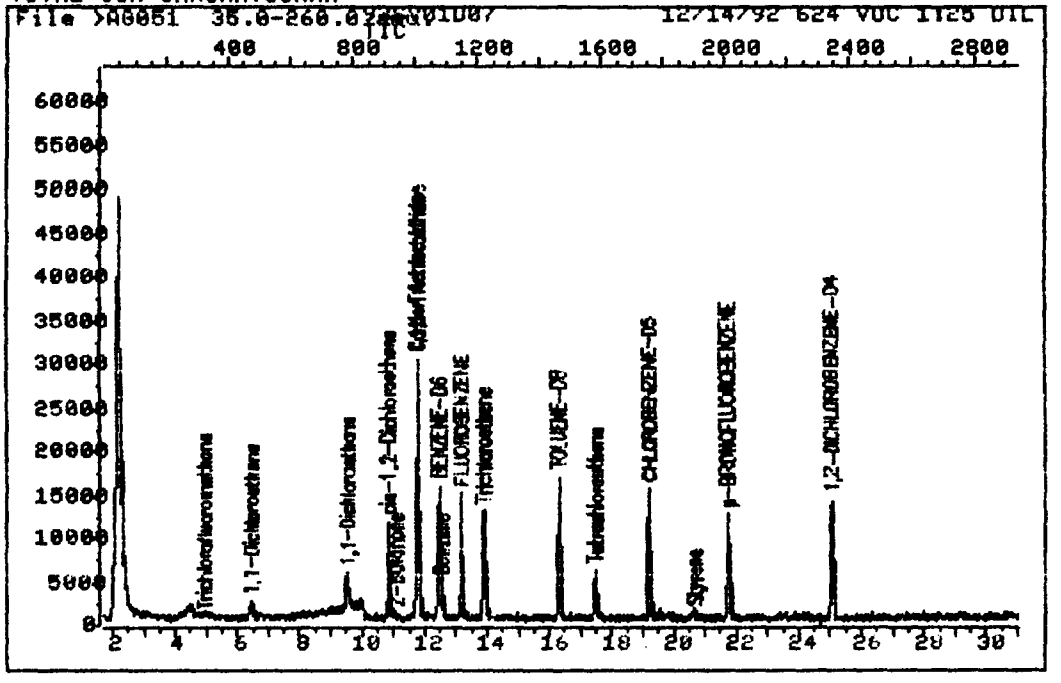
Operator ID: KELLY
Quant Rev: 2
Quant Time: 921214 16:30
Output File: ^AG051::D3
Injected at: 921214 15:57
Data File: >AG051::D4
Dilution Factor: 1.00000
Name: 93SV01D07
Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22
Last Qcal Time: 921214 10:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.16	1147	29556	10.00	UG/L	99
7)	Trichlorofluoromethane	4.94	322	1495	2.21	UG/L	95
9)	1,1-Dichloroethene	6.44	472	2689	4.42	UG/L	75
15)	1,1-Dichloroethane	9.52	782	13295	9.40	UG/L	96
18)	cis-1,2-Dichloroethene	10.82	912	12314	12.58	UG/L	97
19)	2-Butanone	11.05	935	1926	1.94	UG/L	85
22)	1,1,1-Trichloroethane	11.76	1007	55897	50.89	UG/L	94
23)	Carbon tetrachloride	11.75	1006	8004	10.04	UG/L	94
25)	BENZENE-D6	12.45	1076	33178	10.04	UG/L	96
26)	Benzene	12.51	1082	2015	.597	UG/L	92
28)	*TOLUENE-D8	16.28	1461	26681	10.00	UG/L	97
29)	Trichloroethene	13.86	1218	11269	13.04	UG/L	84
38)	Tetrachloroethene	17.46	1580	4564	5.91	UG/L	94
44)	*CHLOROBENZENE-D5	19.19	1754	18890	10.00	UG/L	98
50)	Styrene	20.66	1902	1242	.819	UG/L	90
53)	p-BROMOFLUOROBENZENE	21.72	2008	8328	9.73	UG/L	99
67)	1,2-DICHLOROBENZENE-D4	25.03	2341	8973	10.31	UG/L	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG051::D4 Quant Output File: ^AG051::D3
Name: 93SV01D07 Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

Operator ID: KELLY
Quant Time : 921214 16:30
Injected at: 921214 15:57

QUANT REPORT

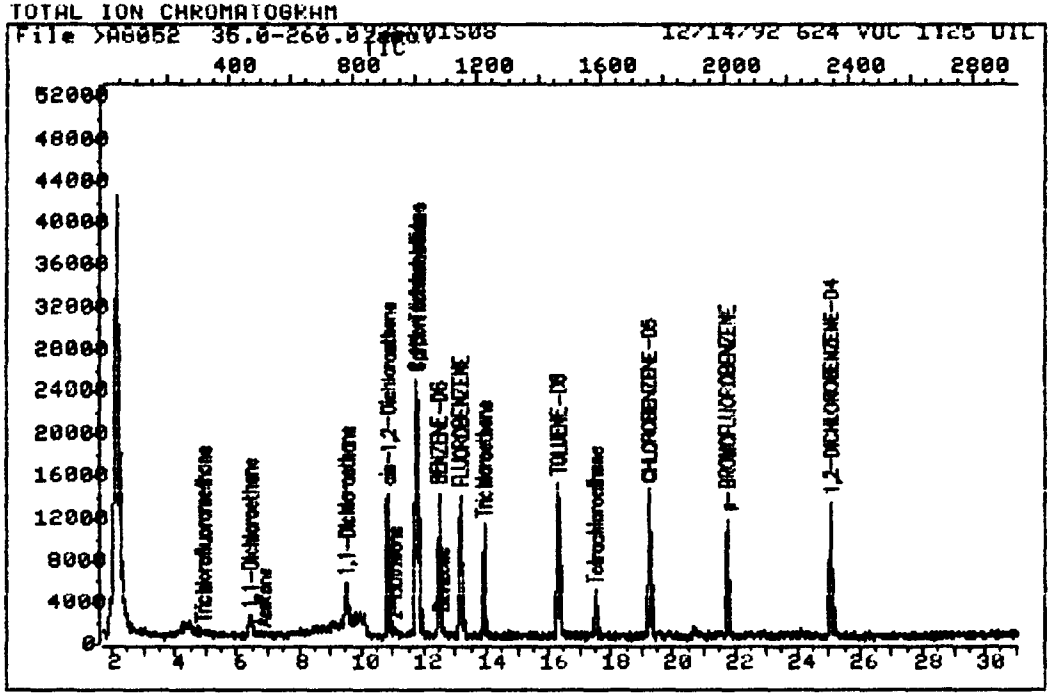
Operator ID: KELLY
Quant Rev: 7
Quant Time: 921214 17:07
Output File: ^AG052::D3
Injected at: 921214 16:34
Data File: >AG052::D4
Dilution Factor: 1.00000
Name: 93SV01S08
Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22
Last Qcal Time: 921214 10:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.14	1148	27010	10.00	UG/L	98
7)	Trichlorofluoromethane	4.88	318	1233	1.99	UG/L	73
9)	1,1-Dichloroethene	6.39	470	2842	5.11	UG/L	92
10)	Acetone	6.83	514	1462	1.95	UG/L	77
15)	1,1-Dichloroethane	9.49	781	11461	8.86	UG/L	96
18)	cis-1,2-Dichloroethene	10.82	914	14871	16.62	UG/L	94
19)	2-Butanone	11.01	933	2085	2.30	UG/L	63
22)	1,1,1-Trichloroethane	11.74	1007	46828	46.65	UG/L	95
23)	Carbon tetrachloride	11.74	1007	6276	8.61	UG/L	86
25)	BENZENE-D6	12.44	1077	30079	9.96	UG/L	99
26)	Benzene	12.52	1085	1412	.458	UG/L	69
28)	*TOLUENE-D8	16.28	1463	24069	10.00	UG/L	95
29)	Trichloroethene	13.87	1221	9270	11.89	UG/L	80
38)	Tetrachloroethene	17.46	1582	3279	4.71	UG/L	96
44)	*CHLOROBENZENE-D5	19.20	1757	17658	10.00	UG/L	97
53)	p-BROMOFLUOROBENZENE	21.72	2011	7535	9.42	UG/L	94
67)	1,2-DICHLOROBENZENE-D4	25.03	2343	8094	9.95	UG/L	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG052::D4 Quant Output File: ^AG052::D3
Name: 93SV01SU8 Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

Id File: IDAG18::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

Operator ID: KELLY
Quant Time : 921214 17:07
Injected at: 921214 16:34

QUANT REPORT

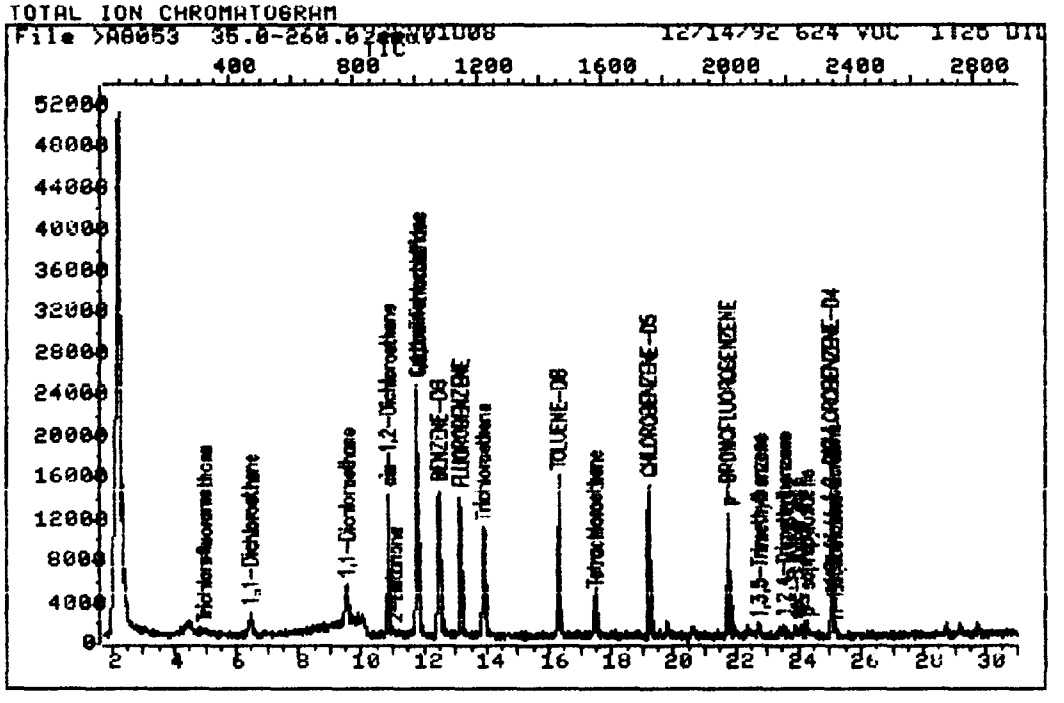
Operator ID: KELLY Quant Rev: 2 Quant Time: 921214 17:43
Output File: ^AG053::D3 Injected at: 921214 17:10
Data File: >AG053::D4 Dilution Factor: 1.00000
Name: 93SV01D08 Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.15	1146	27334	10.00	UG/L	95
7)	Trichlorofluoromethane	4.95	322	1534	2.45	UG/L	86
9)	1,1-Dichloroethene	6.41	469	2556	4.54	UG/L	98
15)	1,1-Dichloroethane	9.52	781	11227	8.58	UG/L	91
18)	cis-1,2-Dichloroethene	10.83	912	14652	16.18	UG/L	93
19)	2-Butanone	11.03	933	2315	2.52	UG/L	76
22)	1,1,1-Trichloroethane	11.76	1006	46238	45.52	UG/L	97
23)	Carbon tetrachloride	11.75	1005	6403	8.68	UG/L	95
25)	BENZENE-D6	12.45	1075	30715	10.05	UG/L	99
28)	*TOLUENE-D8	16.28	1461	24418	10.00	UG/L	93
29)	Trichloroethene	13.86	1217	9324	11.79	UG/L	88
38)	Tetrachloroethene	17.45	1578	3242	4.59	UG/L	98
44)	*CHLOROBENZENE-D5	19.19	1753	17912	10.00	UG/L	96
53)	p-BROMOFLUOROBENZENE	21.72	2008	7939	9.79	UG/L	99
60)	1,3,5-Trimethylbenzene	22.73	2109	1387	.630	UG/L	82
62)	1,2,4-Trimethylbenzene	23.51	2188	1390	.610	UG/L	64
63)	sec-Butylbenzene	23.89	2226	1632	.592	UG/L	89
66)	p-Isopropyltoluene	24.24	2261	1142	.539	UG/L	78
67)	1,2-DICHLOROBENZENE-D4	25.01	2339	8485	10.28	UG/L	86
68)	1,2-Dichlorobenzene	25.07	2345	1086	.871	UG/L	92
69)	n-Butylbenzene	25.15	2353	2170	.917	UG/L	91

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG053::D4 Quant Output File: ^AG053::D3
Name: 93SV01D08 Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

Operator ID: KELLY
Quant Time : 921214 17:43
Injected at: 921214 17:10

QUANT REPORT

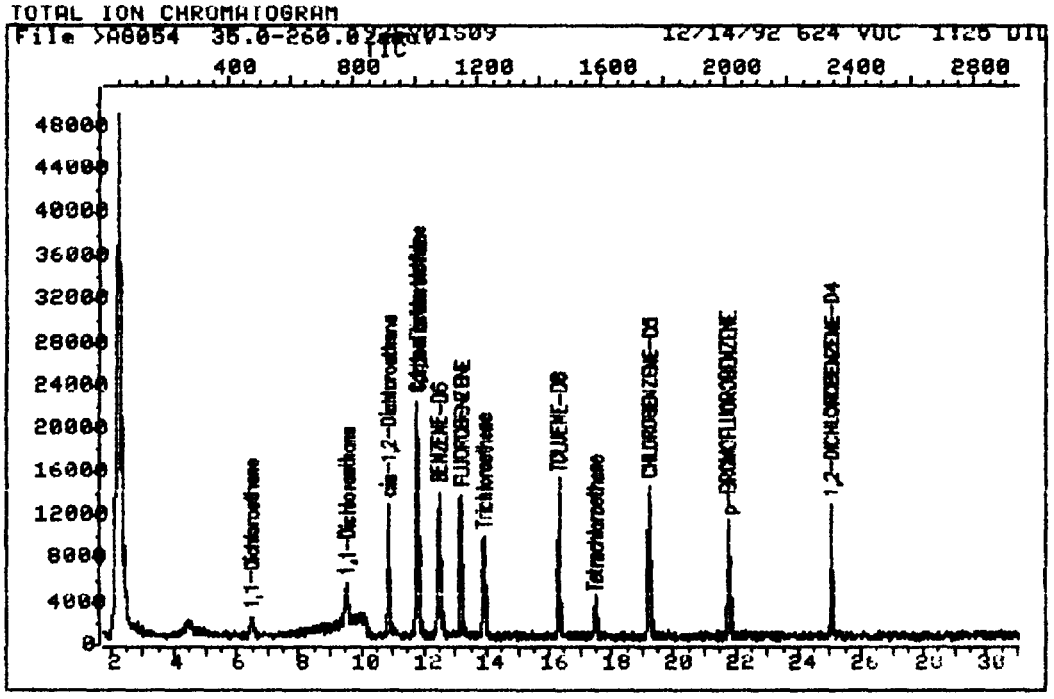
Operator ID: KELLY
Quant Rev: 7
Quant Time: 921214 18:19
Output File: ^AG054::D3
Injected at: 921214 17:46
Data File: >AG054::D4
Dilution Factor: 1.00000
Name: 93SV01S09
Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22
Last Qcal Time: 921214 10:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.16	1147	26239	10.00	UG/L	96
9)	1,1-Dichloroethene	6.45	473	2401	4.45	UG/L	84
15)	1,1-Dichloroethane	9.51	781	10227	8.14	UG/L	97
18)	cis-1,2-Dichloroethene	10.83	913	12753	14.67	UG/L	99
22)	1,1,1-Trichloroethane	11.75	1006	41823	42.89	UG/L	95
23)	Carbon tetrachloride	11.75	1006	5792	8.18	UG/L	84
25)	BENZENE-D6	12.45	1076	29337	10.00	UG/L	98
28)	*TOLUENE-D8	16.28	1461	22641	10.00	UG/L	94
29)	Trichloroethene	13.87	1219	8089	11.03	UG/L	85
38)	Tetrachloroethene	17.45	1579	2748	4.19	UG/L	96
44)	*CHLOROBENZENE-D5	19.19	1754	16568	10.00	UG/L	94
53)	p-BROMOFLUOROBENZENE	21.72	2008	7096	9.46	UG/L	92
67)	1,2-DICHLOROBENZENE-D4	25.03	2341	7696	10.08	UG/L	94

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG054::D4 Quant Output File: ^AG054::D3
Name: 93SV01S09 Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AL
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

Operator ID: KELLY
Quant Time : 921214 18:19
Injected at: 921214 17:46

QUANT REPORT

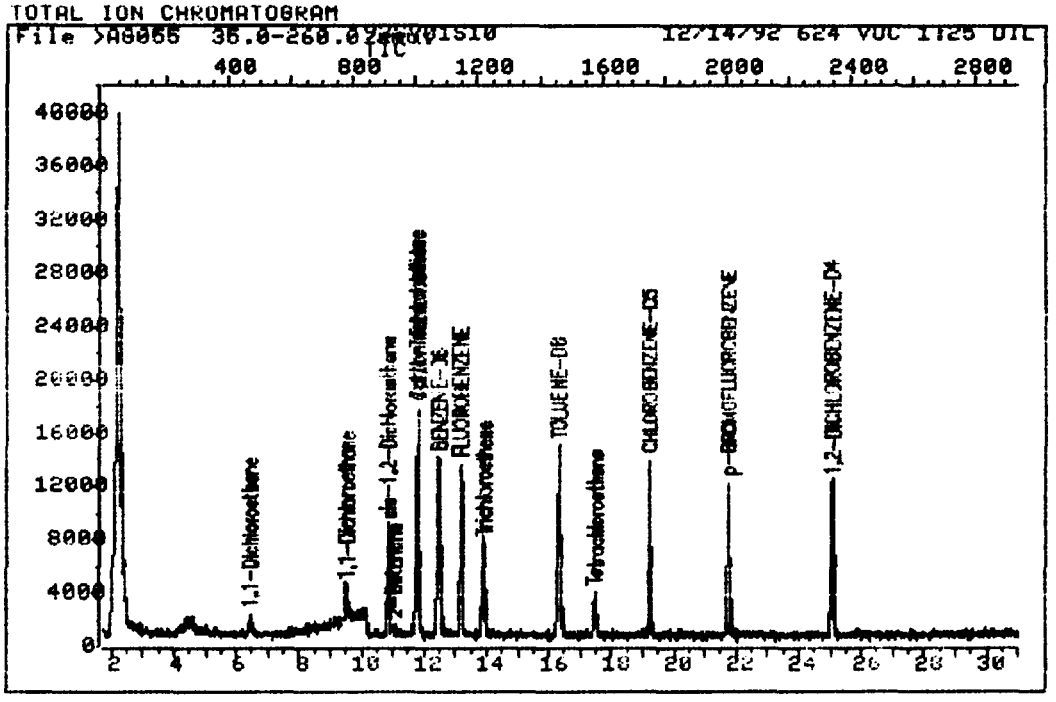
Operator ID: KELLY Quant Rev: 7 Quant Time: 921214 18:56
Output File: ^AG055::D3 Injected at: 921214 18:23
Data File: >AG055::D4 Dilution Factor: 1.00000
Name: 93SV01S10 Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

ID File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921214 10:24

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.14	1145	26310	10.00	UG/L	99
9)	1,1-Dichloroethene	6.42	469	1031	1.90	UG/L	84
15)	1,1-Dichloroethane	9.50	779	8647	6.86	UG/L	96
18)	cis-1,2-Dichloroethene	10.82	911	8856	10.16	UG/L	97
19)	2-Butanone	11.03	932	2096	2.37	UG/L	74
22)	1,1,1-Trichloroethane	11.75	1005	33311	34.07	UG/L	90
23)	Carbon tetrachloride	11.75	1005	4515	6.36	UG/L	86
25)	BENZENE-D6	12.45	1075	29014	9.86	UG/L	98
28)	*TOLUENE-D8	16.28	1460	22992	10.00	UG/L	96
29)	Trichloroethene	13.88	1219	6709	9.01	UG/L	73
38)	Tetrachloroethene	17.46	1579	2393	3.60	UG/L	95
44)	*CHLOROBENZENE-D5	19.19	1753	16813	10.00	UG/L	97
53)	p-BROMOFLUOROBENZENE	21.72	2008	7225	9.49	UG/L	94
67)	1,2-DICHLOROBENZENE-D4	25.03	2340	7724	9.97	UG/L	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG055::D4 Quant Output File: ^AG055::D3
Name: 93SV01S10 Instrument ID: HP MSD#1
Misc: 12/14/92 624 VOC 1:25 DIL

Id File: IDAG1B::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Weal Time: 921214 10:24

Operator ID: KELLY
Quant Time : 921214 18:56
Injected at: 921214 18:23

QUANT REPORT

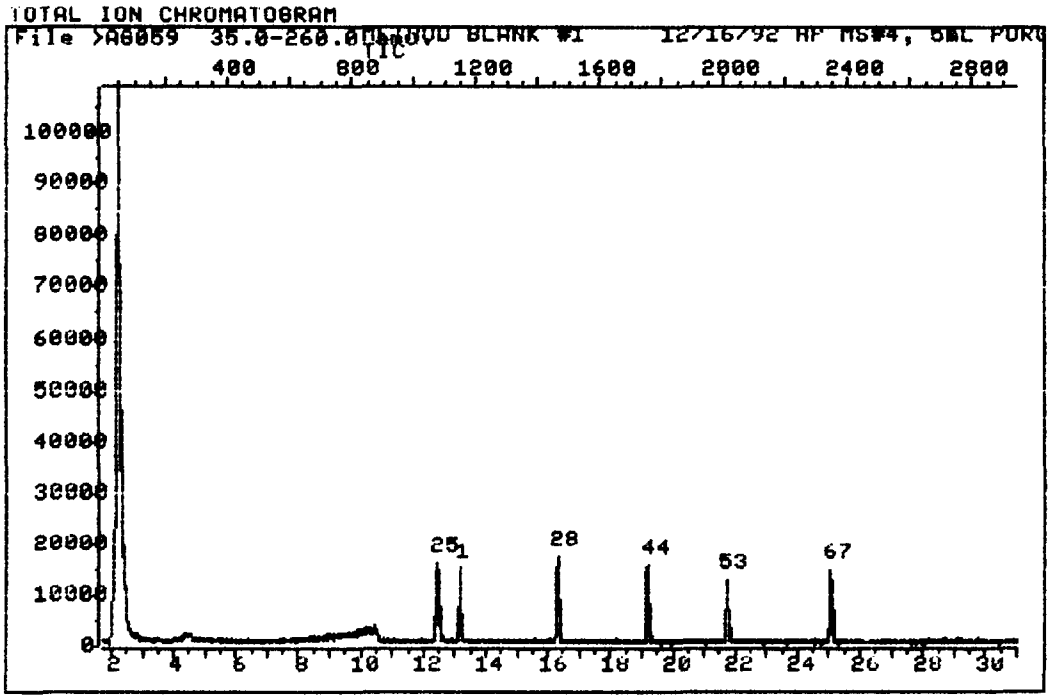
Operator ID: STEVE Quant Rev: 7 Quant Time: 921216 11:57
Output File: ^AG059::D3 Injected at: 921216 11:24
Data File: >AG059::D6 Dilution Factor: 1.00000
Name: METHOD BLANK #1 Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE

ID File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.12	96.0	29761	10.00	UG/L	98
25)	BENZENE-D6	12.42	84.0	33362	10.28	UG/L	98
28)	*TOLUENE-D8	16.26	98.0	26262	10.00	UG/L	98
44)	*CHLOROBENZENE-D5	19.18	117.0	18889	10.00	UG/L	95
53)	p-BROMOFLUOROBENZENE	21.71	174.0	7790	9.76	UG/L	99
67)	1,2-DICHLOROBENZENE-D4	25.02	152.0	8493	9.97	UG/L	94

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG059::D6 Quant Output File: ^AG059::D3
Name: METHOD BLANK #1 Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE

Id File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

Operator ID: STEVE
Quant Time : 921216 11:57
Injected at: 921216 11:24

QUANT REPORT

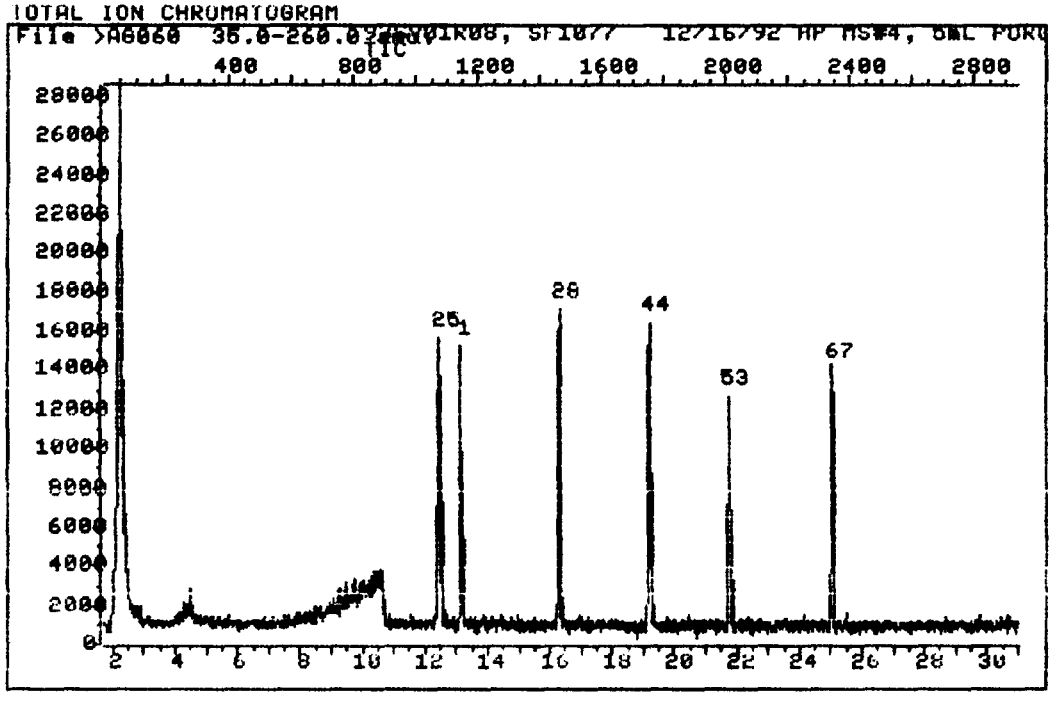
Operator ID: STEVE Quant Rev: 7 Quant Time: 921216 12:52
Output File: ^AG060::D3 Injected at: 921216 12:19
Data File: >AG060::D6 Dilution Factor: 1.00000
Name: 93SV01R08, SF1077 Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE OF TRIP BLANK

ID File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

	Compound	Q ion	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	96.0	1144	29237	10.00	UG/L	99
25)	BENZENE-D6	84.0	1073	32313	10.14	UG/L	99
28)	*TOLUENE-D8	98.0	1459	26214	10.00	UG/L	95
44)	*CHLOROBENZENE-D5	117.0	1753	18655	10.00	UG/L	98
53)	p-BROMOFLUOROBENZENE	174.0	2007	7961	10.10	UG/L	93
67)	1,2-DICHLOROBENZENE-D4	152.0	2340	8505	10.11	UG/L	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG060::D6 Quant Output File: ^AG060::D3
Name: 93SV01R08, SF1077 Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE OF TRIP BLANK

Id File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

Operator ID: STEVE
Quant Time : 921216 12:52
Injected at: 921216 12:19

QUANT REPORT

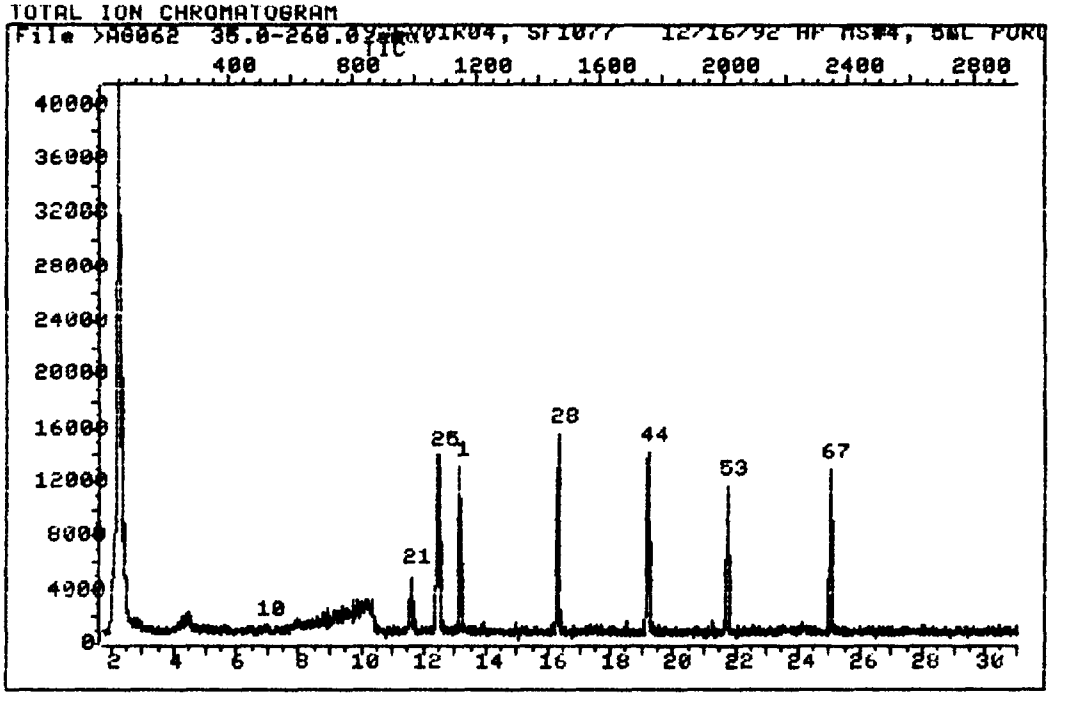
Operator ID: KELLY Quant Rev: 7 Quant Time: 921216 14:21
Output File: ^AG062::D3 Injected at: 921216 13:48
Data File: >AG062::D6 Dilution Factor: 1.00000
Name: 93SV01R04, SF1077 Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE

ID File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

	Compound	Q ion	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	96.0	1144	26160	10.00	UG/L	97
10)	Acetone	43.0	519	1101	1.45	UG/L	82
21)	Chloroform	83.0	988	7994	5.24	UG/L	91
25)	BENZENE-D6	84.0	1073	29198	10.24	UG/L	97
28)	*TOLUENE-D8	98.0	1459	23279	10.00	UG/L	96
44)	*CHLOROBENZENE-D5	117.0	1753	16852	10.00	UG/L	99
53)	p-BROMOFLUOROBENZENE	174.0	2007	7101	9.97	UG/L	92
67)	1,2-DICHLOROBENZENE-D4	152.0	2338	8058	10.61	UG/L	91

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG062::D6 Quant Output File: ^AG062::D3
Name: 93SV01R04, SF1077 Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE

Id File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

Operator ID: KELLY
Quant Time : 921216 14:21
Injected at: 921216 13:48

QUANT REPORT

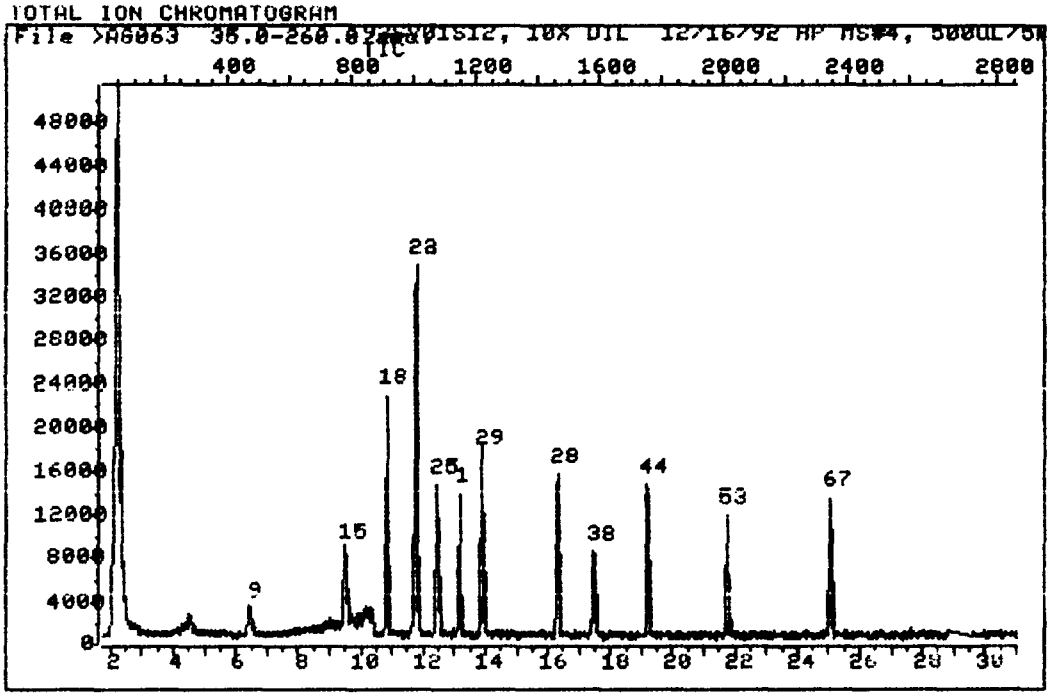
Operator ID: KELLY Quant Rev: 7 Quant Time: 921216 14:58
Output File: ^AG063::D3 Injected at: 921216 14:25
Data File: >AG063::D6 Dilution Factor: 1.00000
Name: 93SV01S12, 10X DIL Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 500uL/5mL PURGE

ID File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

	Compound	Q ion	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	96.0	1143	27230	10.00	UG/L	98
9)	1,1-Dichloroethene	96.0	472	3550	5.70	UG/L	96
15)	1,1-Dichloroethane	63.0	780	21039	16.24	UG/L	99
18)	cis-1,2-Dichloroethene	96.0	909	23674	26.90	UG/L	94
22)	1,1,1-Trichloroethane	97.0	1003	66307	60.05	UG/L	93
23)	Carbon tetrachloride	117.0	1003	8962	10.49	UG/L	92
25)	BENZENE-D6	84.0	1073	30303	10.21	UG/L	98
28)	*TOLUENE-D8	98.0	1459	24562	10.00	UG/L	93
29)	Trichloroethene	95.0	1217	15207	17.45	UG/L	87
38)	Tetrachloroethene	166.0	1578	6431	8.89	UG/L	97
44)	*CHLOROBENZENE-D5	117.0	1752	17517	10.00	UG/L	97
53)	p-BROMOFLUOROBENZENE	174.0	2007	7715	10.42	UG/L	93
67)	1,2-DICHLOROBENZENE-D4	152.0	2339	8124	10.29	UG/L	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG063::D6 Quant Output File: ^AG063::D3
Name: 93SV01S12, 10X DIL Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 500uL/5mL PURGE

Id File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

Operator ID: KELLY
Quant Time : 921216 14:58
Injected at: 921216 14:25

QUANT REPORT

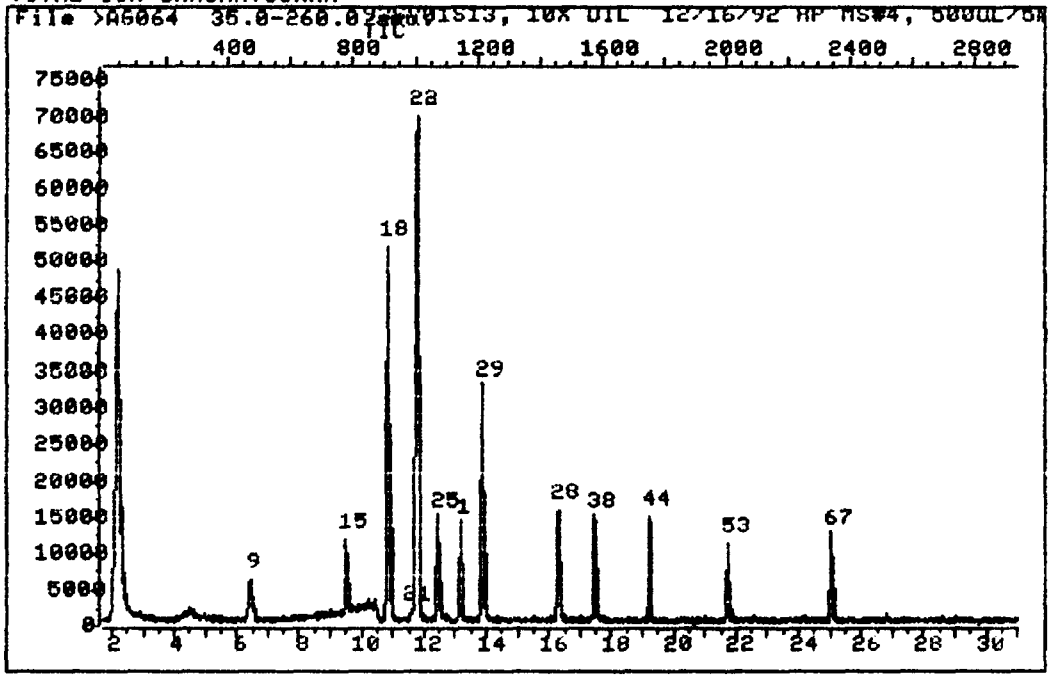
Operator ID: KELLY Quant Rev: 7 Quant Time: 921216 15:35
Output File: ^AG064::D3 Injected at: 921216 15:02
Data File: >AG064::D6 Dilution Factor: 1.00000
Name: 93SV01S13, 10X DIL Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 500uL/5mL PURGE

ID File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

	Compound	Q ion	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	96.0	1143	28024	10.00	UG/L	98
9)	1,1-Dichloroethene	96.0	469	7334	11.44	UG/L	88
15)	1,1-Dichloroethane	63.0	780	29556	22.16	UG/L	98
18)	cis-1,2-Dichloroethene	96.0	909	55221	60.96	UG/L	96
21)	Chloroform	83.0	985	2308	1.41	UG/L	83
22)	1,1,1-Trichloroethane	97.0	1003	135568	119.30	UG/L	95
23)	Carbon tetrachloride	117.0	1003	18439	20.97	UG/L	93
25)	BENZENE-D6	84.0	1073	31588	10.34	UG/L	97
28)	*TOLUENE-D8	98.0	1459	25033	10.00	UG/L	96
29)	Trichloroethene	95.0	1215	29032	32.68	UG/L	92
38)	Tetrachloroethene	166.0	1577	11580	15.71	UG/L	97
44)	*CHLOROBENZENE-D5	117.0	1752	17798	10.00	UG/L	98
53)	p-BROMOFLUOROBENZENE	174.0	2007	7525	10.00	UG/L	94
67)	1,2-DICHLOROBENZENE-D4	152.0	2338	7944	9.90	UG/L	85

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG064::D6 Quant Output File: ^AG064::D3
Name: 93SV01S13, 10X DIL Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 500uL/5mL PURGE

Id File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

Operator ID: KELLY
Quant Time : 921216 15:35
Injected at: 921216 15:02

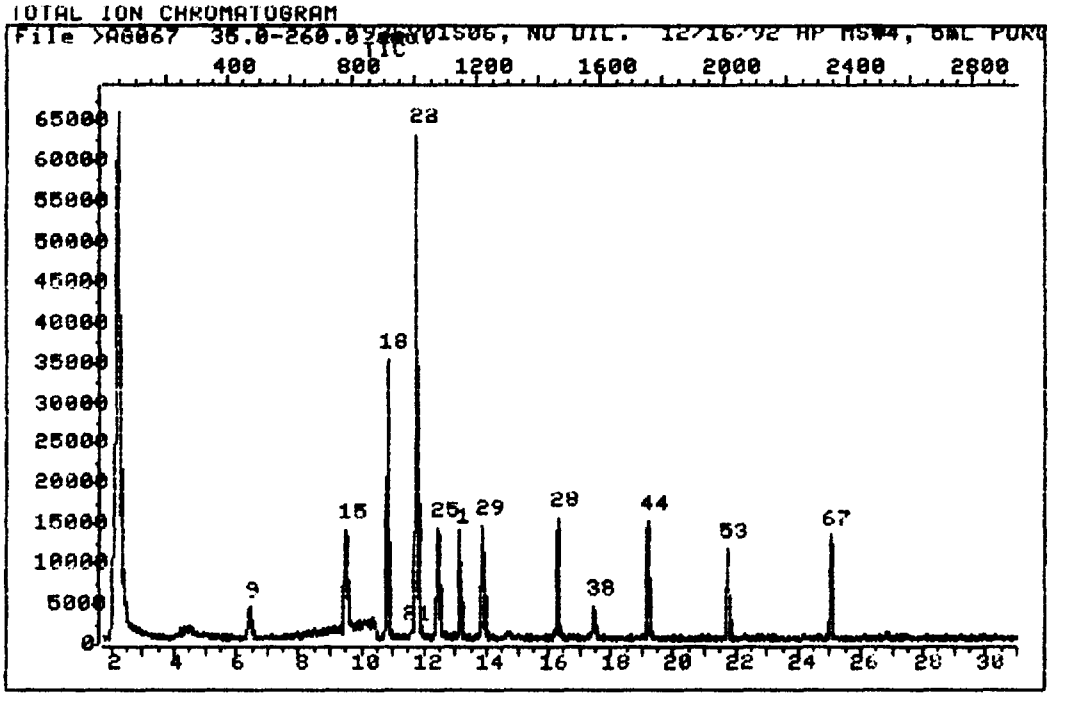
QUANT REPORT

Operator ID: KELLY Quant Rev: 7 Quant Time: 921216 17:26
Output File: ^AG067::D3 Injected at: 921216 16:53
Data File: >AG067::D6 Dilution Factor: 1.00000
Name: 93SV01S06, NO DIL. Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE

ID File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

	Compound	Q ion	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	96.0	1145	27813	10.00	UG/L	99
9)	1,1-Dichloroethene	96.0	470	5305	8.34	UG/L	97
15)	1,1-Dichloroethane	63.0	780	37658	28.45	UG/L	99
18)	cis-1,2-Dichloroethene	96.0	909	37419	41.62	UG/L	97
21)	Chloroform	83.0	985	1816	1.12	UG/L	86
22)	1,1,1-Trichloroethane	97.0	1004	122579	108.68	UG/L	94
23)	Carbon tetrachloride	117.0	1004	16687	19.12	UG/L	98
25)	BENZENE-D6	84.0	1074	30877	10.18	UG/L	94
28)	*TOLUENE-D8	98.0	1460	24416	10.00	UG/L	98
29)	Trichloroethene	95.0	1216	12208	14.09	UG/L	88
38)	Tetrachloroethene	166.0	1578	3016	4.19	UG/L	92
44)	*CHLOROBENZENE-D5	117.0	1753	17940	10.00	UG/L	98
53)	p-BROMOFLUOROBENZENE	174.0	2007	7606	10.03	UG/L	93
67)	1,2-DICHLOROBENZENE-D4	152.0	2339	8443	10.44	UG/L	88

* Compound is ISTD



Data File: >AG067::D6 Quant Output File: ^AG067::D3
Name: 93SV01S06, NO DIL. Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE

Id File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

Operator ID: KELLY
Quant Time : 921216 17:26
Injected at: 921216 16:53

QUANT REPORT

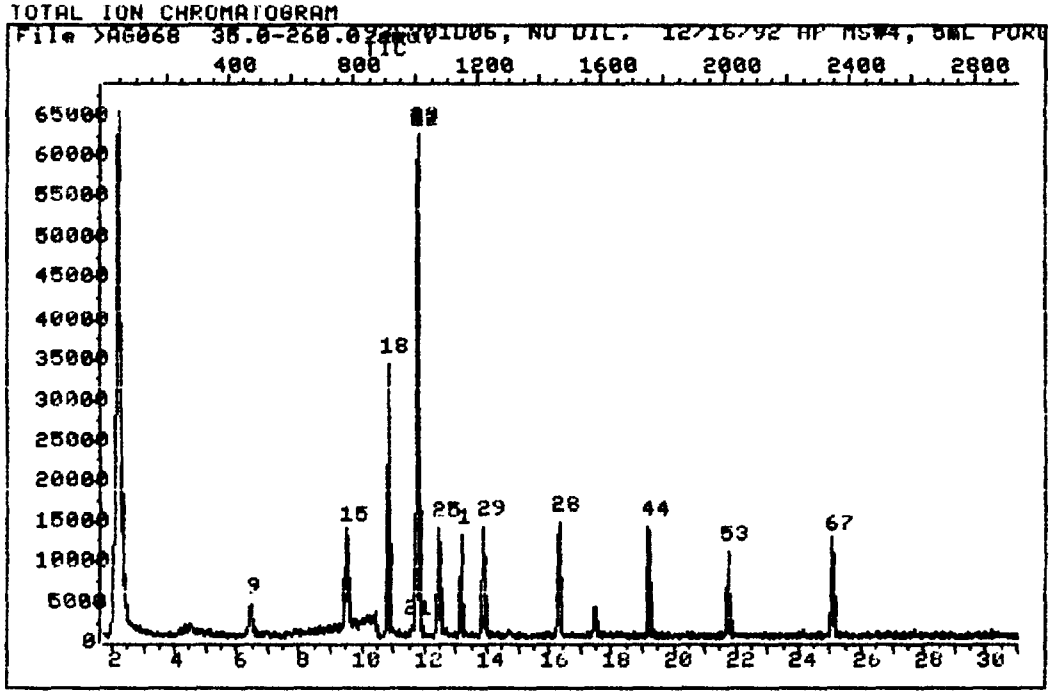
Operator ID: KELLY Quant Rev: 7 Quant Time: 921216 18:03
Output File: ^AG068::D3 Injected at: 921216 17:30
Data File: >AG068::D6 Dilution Factor: 1.00000
Name: 93SV01D06, NO DIL. Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE

ID File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

	Compound	Q ion	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	96.0	1144	26401	10.00	UG/L	97
9)	1,1-Dichloroethene	96.0	470	5504	9.12	UG/L	93
15)	1,1-Dichloroethane	63.0	780	37195	29.61	UG/L	95
18)	cis-1,2-Dichloroethene	96.0	909	36972	43.32	UG/L	96
21)	Chloroform	83.0	986	1733	1.12	UG/L	89
22)	1,1,1-Trichloroethane	97.0	1003	122388	114.32	UG/L	95
23)	Carbon tetrachloride	117.0	1004	16585	20.02	UG/L	98
25)	BENZENE-D6	84.0	1073	29057	10.10	UG/L	99
28)	*TOLUENE-D8	98.0	1459	22455	10.00	UG/L	99
29)	Trichloroethene	95.0	1217	12079	15.16	UG/L	84
44)	*CHLOROBENZENE-D5	117.0	1752	17103	10.00	UG/L	98
53)	p-BROMOFLUOROBENZENE	174.0	2007	7428	10.28	UG/L	93
67)	1,2-DICHLOROBENZENE-D4	152.0	2339	7915	10.26	UG/L	91

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG068::D6 Quant Output File: ^AG068::D3
Name: 93SV01D06, NO DIL. Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE

Id File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

Operator ID: KELLY
Quant Time : 921216 18:03
Injected at: 921216 17:30

QUANT REPORT

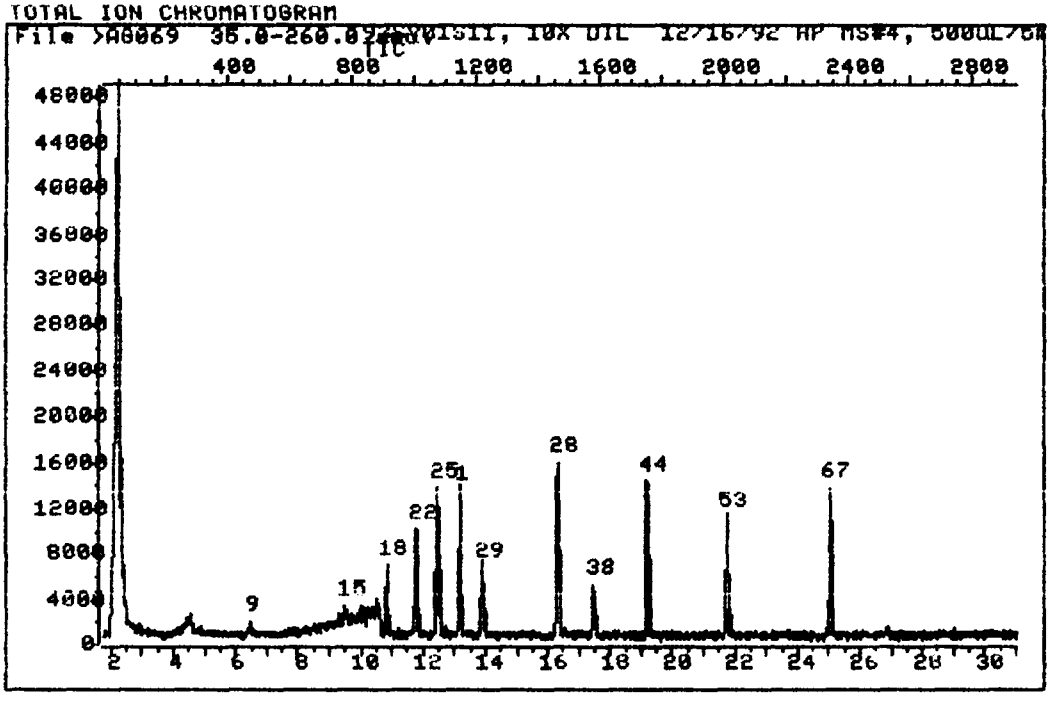
Operator ID: KELLY Quant Rev: 7 Quant Time: 921216 18:40
Output File: ^AG069::D3 Injected at: 921216 18:07
Data File: >AG069::D6 Dilution Factor: 1.00000
Name: 93SV01S11, 10X DIL Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 500uL/5mL PURGE

ID File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

	Compound	Q ion	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	96.0	1144	26471	10.00	UG/L	96
9)	1,1-Dichloroethene	96.0	470	1335	2.21	UG/L	78
15)	1,1-Dichloroethane	63.0	779	3363	2.67	UG/L	90
18)	cis-1,2-Dichloroethene	96.0	909	6747	7.88	UG/L	87
22)	1,1,1-Trichloroethane	97.0	1003	18385	17.13	UG/L	92
25)	BENZENE-D6	84.0	1073	28967	10.04	UG/L	99
28)	*TOLUENE-D8	98.0	1459	23379	10.00	UG/L	94
29)	Trichloroethene	95.0	1217	5714	6.89	UG/L	81
38)	Tetrachloroethene	166.0	1578	3237	4.70	UG/L	86
44)	*CHLOROBENZENE-D5	117.0	1753	16965	10.00	UG/L	99
53)	p-BROMOFLUOROBENZENE	174.0	2006	7372	10.28	UG/L	99
67)	1,2-DICHLOROBENZENE-D4	152.0	2339	8023	10.49	UG/L	95

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG069::D6 Quant Output File: ^AG069::D3
Name: 93SV01S11, 10X DIL Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 500uL/5mL PURGE

Id File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

Operator ID: KELLY
Quant Time : 921216 18:40
Injected at: 921216 18:07

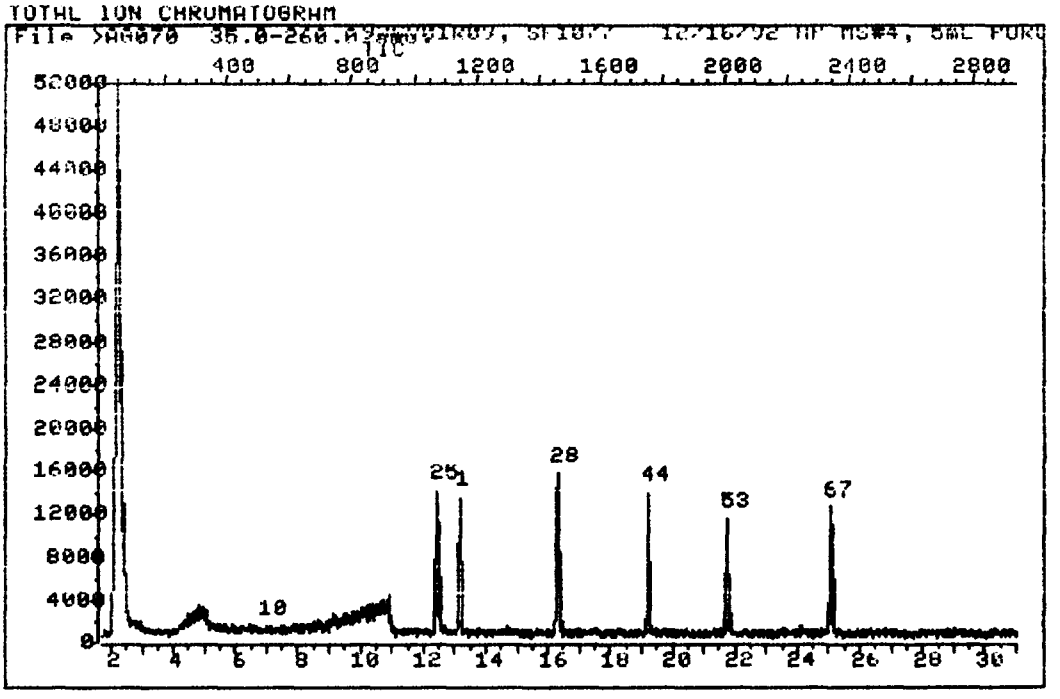
QUANT REPORT

Operator ID: KELLY Quant Rev: 7 Quant Time: 921216 19:46
Output File: ^AG070::D3 Injected at: 921216 19:13
Data File: >AG070::D6 Dilution Factor: 1.00000
Name: 93SV01R09, SF1077 Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE

ID File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

	Compound	Q ion	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	96.0	1143	26710	10.00	UG/L	96
10)	Acetone	43.0	525	1131	1.46	UG/L	57
25)	BENZENE-D6	84.0	1072	29442	10.11	UG/L	98
28)	*TOLUENE-D8	98.0	1459	23546	10.00	UG/L	93
44)	*CHLOROBENZENE-D5	117.0	1752	17269	10.00	UG/L	98
53)	p-BROMOFLUOROBENZENE	174.0	2007	7144	9.79	UG/L	96
67)	1,2-DICHLOROBENZENE-D4	152.0	2339	7956	10.22	UG/L	91

* Compound is ISTD



Data File: >AG070::D6 Quant Output File: ^AG070::D3
Name: 93SV01R09, SF1077 Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 5mL PURGE

Id File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

Operator ID: KELLY
Quant Time : 921216 19:46
Injected at: 921216 19:13

QUANT REPORT

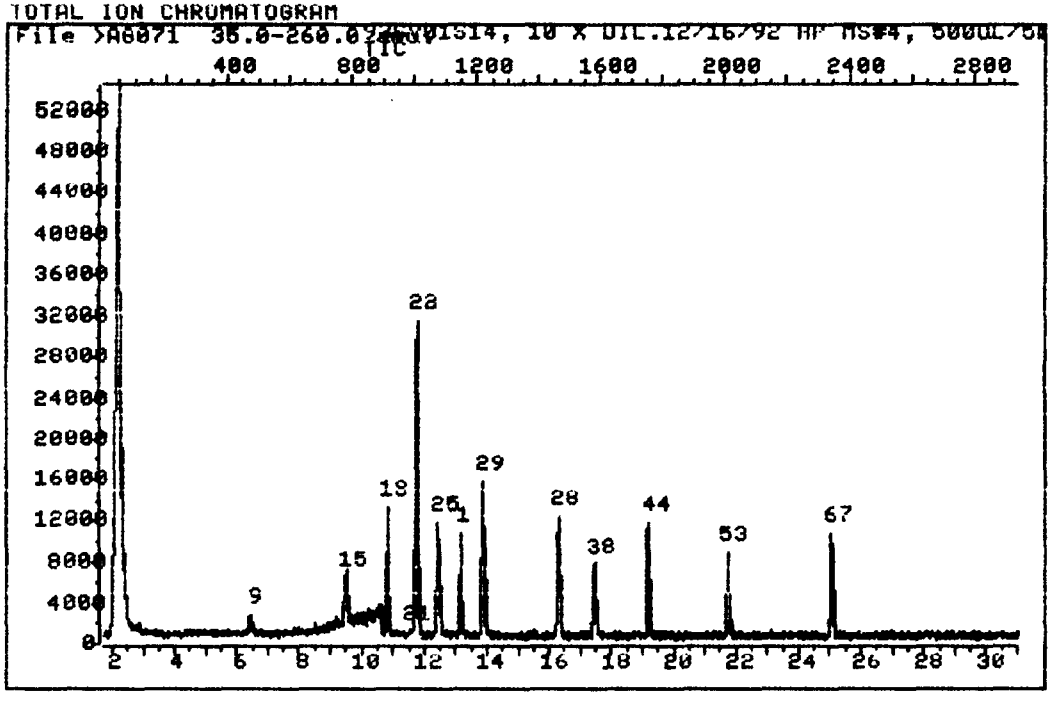
Operator ID: KELLY Quant Rev: 7 Quant Time: 921216 20:23
Output File: ^AG071::D3 Injected at: 921216 19:50
Data File: >AG071::D6 Dilution Factor: 1.00000
Name: 93SV01S14, 10 X DIL. Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 500uL/5mL PURGE

ID File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

	Compound	Q ion	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	96.0	1144	21114	10.00	UG/L	99
9)	1,1-Dichloroethene	96.0	472	2515	5.21	UG/L	97
15)	1,1-Dichloroethane	63.0	779	14252	14.19	UG/L	97
18)	cis-1,2-Dichloroethene	96.0	909	13723	20.11	UG/L	98
21)	Chloroform	83.0	984	1047	.850	UG/L	80
22)	1,1,1-Trichloroethane	97.0	1003	59070	68.99	UG/L	94
23)	Carbon tetrachloride	117.0	1003	8191	12.37	UG/L	92
25)	BENZENE-D6	84.0	1073	23697	10.29	UG/L	98
28)	*TOLUENE-D8	98.0	1459	18664	10.00	UG/L	91
29)	Trichloroethene	95.0	1216	13033	19.68	UG/L	87
38)	Tetrachloroethene	166.0	1578	5539	10.08	UG/L	98
44)	*CHLOROBENZENE-D5	117.0	1753	13607	10.00	UG/L	96
53)	p-BROMOFLUOROBENZENE	174.0	2007	5609	9.75	UG/L	97
67)	1,2-DICHLOROBENZENE-D4	152.0	2340	6251	10.19	UG/L	99

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG071::D6 Quant Output File: ^AG071::D3
Name: 93SV01S14, 10 X DIL. Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 500uL/5mL PURGE

Id File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

Operator ID: KELLY
Quant Time : 921216 20:23
Injected at: 921216 19:50

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

121892BLK2

Lab Name: CRL SE ROCKFORD Contract: 5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077

Matrix: (soil/water) WATER Lab Sample ID: 121892BLK2

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: >AG078

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec.---- Date Analyzed: 12/18/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.	U
74-87-3	Chloromethane	3.	U
75-01-4	Vinyl chloride	3.	U
74-83-9	Bromomethane	3.	U
75-00-3	Chloroethane	3.	U
75-69-4	Trichlorofluoromethane	3.	U
107-64-1	Acrolein	10.	U
75-35-4	1,1-Dichloroethene	2.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	2.	U
75-09-2	Methylene chloride	2.	U
156-60-5	trans-1,2-Dichloroethene	2.	U
107-13-1	Acrylonitrile	10.	U
75-34-3	1,1-Dichloroethane	2.	U
108-05-4	Vinylacetate	10.	U
594-20-7	2,2-Dichloropropane	2.	U
156-59-2	cis-1,2-Dichloroethene	2.	U
78-93-3	2-Butanone	10.	U
74-97-5	Bromochloromethane	2.	U
67-66-3	Chloroform	2.	U
71-55-6	1,1,1-trichloroethane	2.	U
56-23-5	Carbon tetrachloride	2.	U
563-58-6	1,1-Dichloropropene	2.	U
71-43-2	Benzene	2.	U
107-06-2	1,2-Dichloroethane	2.	U
79-01-6	Trichloroethene	2.	U
78-87-5	1,2-Dichloropropane	2.	U
74-95-3	Dibromomethane	2.	U
75-27-4	Bromodichloromethane	2.	U
10061-01-5	cis-1,3-dichloropropene	2.	U
108-88-3	Toluene	2.	U
108-10-1	4-Methyl-2-pentanone	5.	U
10061-02-6	trans-1,3-Dichloropropene	2.	U
127-18-4	Tetrachloroethene	2.	U
79-00-5	1,1,2-Trichloroethane	2.	U
142-28-9	1,3-Dichloropropane	2.	U
591-78-6	2-Hexanone	5.	U

Are there any TICs ? (Please check a box) YES [ ] NO [✓]

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

121892BLK2

Lab Name:CRL SE ROCKFORD Contract:5ESD-10C

Lab Code: 5SCRL Case No.: SF-1077

Matrix: (soil/water) WATER Lab Sample ID: 121892BLK2

Sample wt/vol: 5.000 (g/mL) mL Lab File ID: >AG078

Level: (low/med) LOW Date Received: 12/18/92

% Moisture: not dec.---- Date Analyzed: 12/18/92

Column: (pack/cap) CAP Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
124-48-1	Dibromochloromethane	2.	U
106-93-4	1,2-Dibromoethane	2.	U
108-90-7	Chlorobenzene	2.	U
630-20-6	1,1,1,2-Tetrachloroethane	2.	U
100-41-4	Ethylbenzene	2.	U
1083836423	m &/or p-Xylene	2.	U
95-47-6	o-Xylene	2.	U
100-42-5	Styrene	2.	U
75-25-2	Bromoform	2.	U
98-82-8	Isopropylbenzene	2.	U
108-86-1	Bromobenzene	2.	U
96-18-4	1,2,3-Trichloropropane	2.	U
79-34-5	1,1,2,2-Tetrachloroethane	2.	U
103-65-1	n-Propylbenzene	2.	U
95-49-8	2-Chlorotoluene	2.	U
106-43-4	4-Chlorotoluene	2.	U
108-67-8	1,3,5-Trimethylbenzene	2.	U
98-06-6	tert-Butylbenzene	2.	U
95-63-6	1,2,4-Trimethylbenzene	2.	U
135-98-8	sec-Butylbenzene	2.	U
541-73-1	1,3-Dichlorobenzene	2.	U
106-46-7	1,4-Dichlorobenzene	2.	U
99-87-6	p-Isopropyltoluene	2.	U
95-50-1	1,2-Dichlorobenzene	2.	U
104-51-8	n-Butylbenzene	2.	U
96-12-8	1,2-Dibromo-3-chloropropane	2.	U
120-82-1	1,2,4-Trichlorobenzene	2.	U
91-20-3	Naphthalene	2.	U
87-68-3	Hexachlorobutadiene	2.	U
87-61-6	1,2,3-Trichlorobenzene	2.	U

FORM I-2 VOA 1/89 Rev.

Data Qualifiers: U = Compounds were analyzed but not detected. The value reported is the method detection limit for reagent water; J = Estimated; D=Diluted Sample; X = Result rejected for failing mass spectral confirmation; E = Concentration exceeded calibration range; B_ = Contaminant found in laboratory method blank; ARE THERE TICs ? (Circle) YES/NO

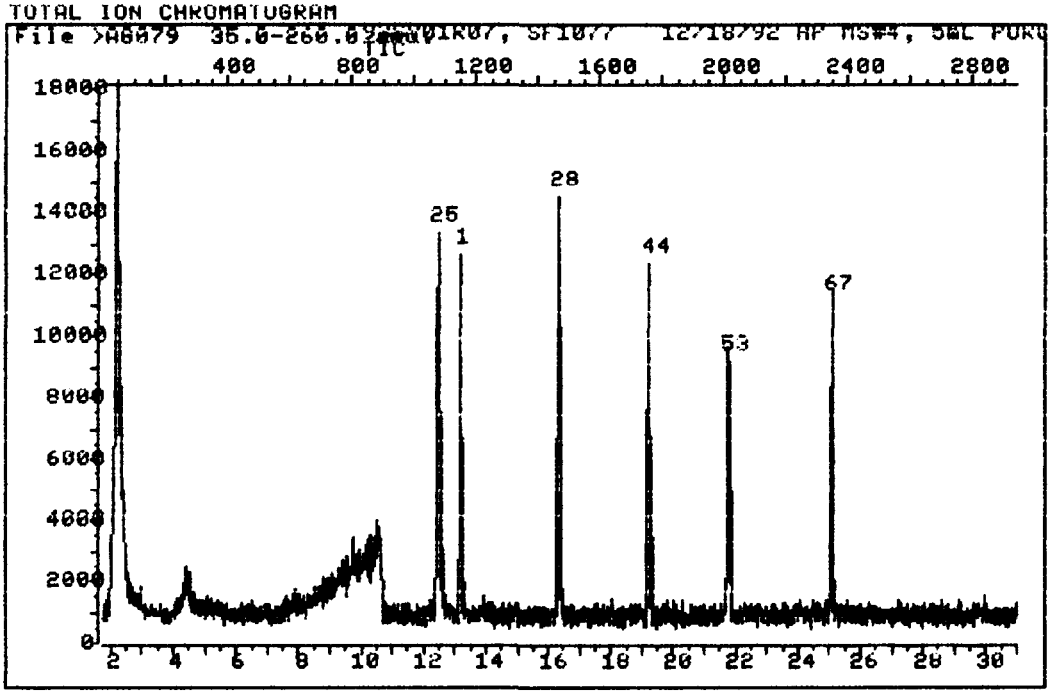
Operator ID: KELLY Quant Rev: 7 Quant Time: 921218 16:25
Output File: ^AG079::D3 Injected at: 921218 15:52
Data File: >AG079::D6 Dilution Factor: 1.00000
Name: 93SV01R07, SF1077 Instrument ID: HP MSD#1
Misc: 12/18/92 HP MS#4, 5mL PURGE

ID File: IDAG1D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921218 13:30

	Compound	Q ion	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	96.0	1146	22961	10.00	UG/L	99
25)	BENZENE-D6	84.0	1075	25748	10.08	UG/L	95
28)	*TOLUENE-D8	98.0	1462	20521	10.00	UG/L	95
44)	*CHLOROBENZENE-D5	117.0	1755	14497	10.00	UG/L	98
53)	p-BROMOFLUOROBENZENE	174.0	2009	5613	9.46	UG/L	92
67)	1,2-DICHLOROBENZENE-D4	152.0	2343	6217	9.95	UG/L	90

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG079::D6 Quant Output File: ^AG079::D3
Name: 93SV01R07, SF1077 Instrument ID: HP MSD#1
Misc: 12/18/92 HP MS#4, 5mL PURGE

Id File: IDAG1D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921218 13:30

Operator ID: KELLY
Quant Time : 921218 16:25
Injected at: 921218 15:52

QUANT REPORT

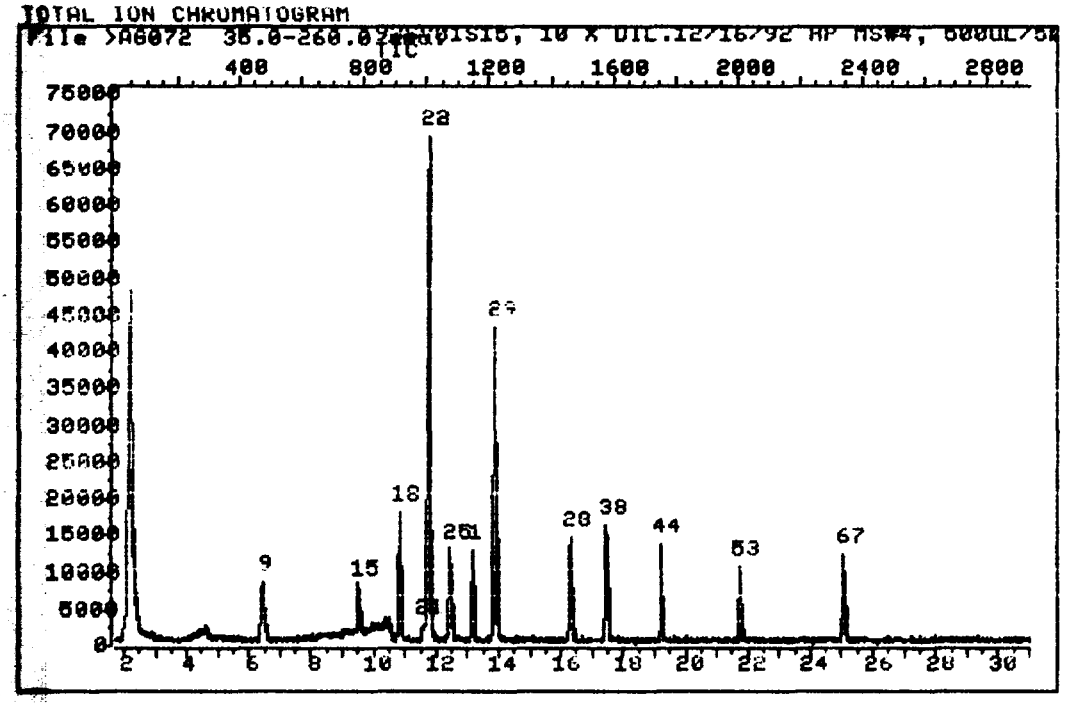
Operator ID: KELLY Quant Rev: 7 Quant Time: 921216 21:00
Output File: ^AG072::D3 Injected at: 921216 20:27
Data File: >AG0/2::D6 Dilution Factor: 1.00000
Name: 93SV01S15, 10 X DIL. Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 500uL/5mL PURGE

ID File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

	Compound	Q ion	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	96.0	1144	25303	10.00	UG/L	97
9)	1,1-Dichloroethene	96.0	469	10914	18.86	UG/L	89
15)	1,1-Dichloroethane	63.0	780	20394	16.94	UG/L	97
18)	cis-1,2-Dichloroethene	96.0	909	18690	22.85	UG/L	92
21)	Chloroform	83.0	985	4007	2.71	UG/L	89
22)	1,1,1-Trichloroethane	97.0	1003	132807	129.43	UG/L	96
23)	Carbon tetrachloride	117.0	1003	17993	22.67	UG/L	95
25)	BENZENE-D6	84.0	1072	27834	10.09	UG/L	96
28)	*TOLUENE-D8	98.0	1459	22271	10.00	UG/L	96
29)	Trichloroethene	95.0	1216	37527	47.48	UG/L	85
38)	Tetrachloroethene	166.0	1578	12164	18.55	UG/L	92
44)	*CHLOROBENZENE-D5	117.0	1752	15908	10.00	UG/L	98
53)	p-BROMOFLUOROBENZENE	174.0	2007	6914	10.28	UG/L	99
67)	1,2-DICHLOROBENZENE-D4	152.0	2339	7379	10.29	UG/L	94

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG072::D6 Quant Output File: ^AG072::D3
Name: 93SV01S15, 10 X DIL. Instrument ID: HP MSD#1
Misc: 12/16/92 HP MS#4, 500uL/5mL PURGE

Id File: IDAG1C::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921216 09:23

Operator ID: KELLY
Quant Time : 921216 21:00
Injected at: 921216 20:27

QUANT REPORT

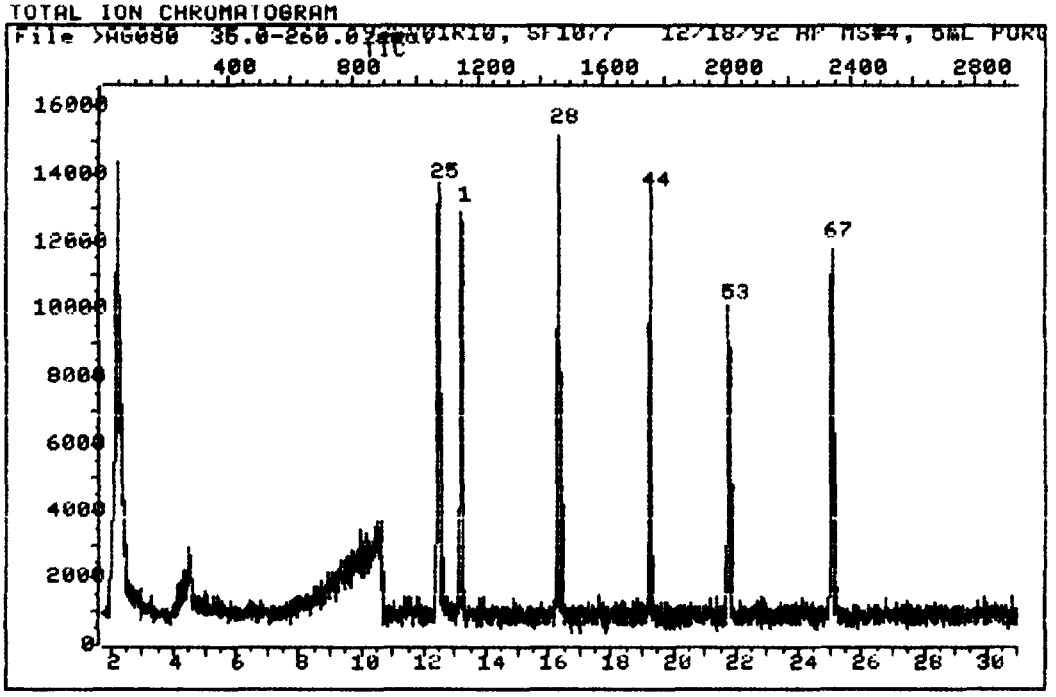
Operator ID: KELLY Quant Rev: 7 Quant Time: 921218 17:02
Output File: ^AG080::D3 Injected at: 921218 16:29
Data File: >AG080::D6 Dilution Factor: 1.00000
Name: 93SV01R10, SF1077 Instrument ID: HP MSD#1
Misc: 12/18/92 HP MS#4, 5mL PURGE

ID File: IDAG1D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921218 13:30

	Compound	Q ion	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	96.0	1145	24333	10.00	UG/L	98
25)	BENZENE-D6	84.0	1075	27840	10.28	UG/L	95
28)	*TOLUENE-D8	98.0	1461	21833	10.00	UG/L	92
44)	*CHLOROBENZENE-D5	117.0	1754	15383	10.00	UG/L	93
53)	p-BROMOFLUOROBENZENE	174.0	2009	5998	9.53	UG/L	99
67)	1,2-DICHLOROBENZENE-D4	152.0	2341	6798	10.26	UG/L	89

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG080::D6 Quant Output File: ^AG080::D3
Name: 93SV01R10, SF1077 Instrument ID: HP MSD#1
Misc: 12/18/92 HP MS#4, 5mL PURGE

Id File: IDAG1D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921218 13:30

Operator ID: KELLY
Quant Time : 921218 17:02
Injected at: 921218 16:29

QUANT REPORT

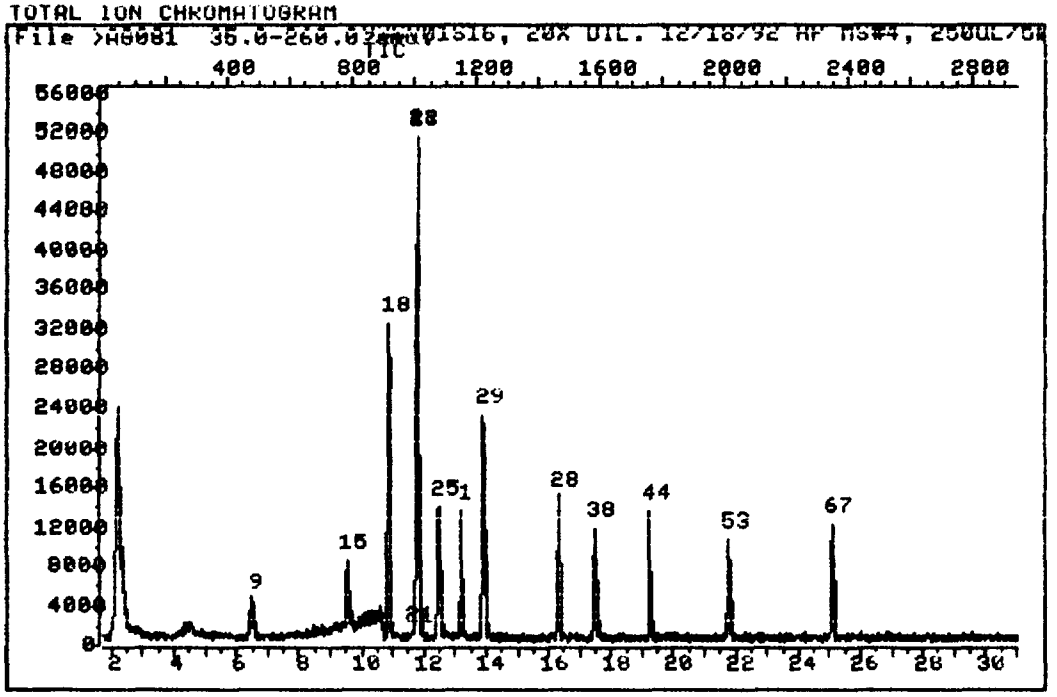
Operator ID: KELLY Quant Rev: 7 Quant Time: 921218 17:39
Output File: ^AG081::D3 Injected at: 921218 17:06
Data File: >AG081::D6 Dilution Factor: 1.00000
Name: 93SV01S16, 20X DIL. Instrument ID: HP MSD#1
Misc: 12/18/92 HP MS#4, 250uL/5mL PURGE

ID File: IDAG1D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921218 13:30

	Compound	Q ion	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	96.0	1146	25642	10.00	UG/L	96
9)	1,1-Dichloroethene	96.0	472	4877	7.45	UG/L	92
15)	1,1-Dichloroethane	63.0	781	19632	14.38	UG/L	97
18)	cis-1,2-Dichloroethene	96.0	912	32829	35.74	UG/L	94
21)	Chloroform	83.0	989	1318	.816	UG/L	80
22)	1,1,1-Trichloroethane	97.0	1006	96482	85.26	UG/L	92
23)	Carbon tetrachloride	117.0	1005	12530	14.96	UG/L	92
25)	BENZENE-D6	84.0	1076	28276	9.91	UG/L	99
28)	*TOLUENE-D8	98.0	1461	22393	10.00	UG/L	90
29)	Trichloroethene	95.0	1218	19701	24.08	UG/L	78
38)	Tetrachloroethene	166.0	1580	8085	11.92	UG/L	99
44)	*CHLOROBENZENE-D5	117.0	1754	15793	10.00	UG/L	96
53)	p-BROMOFLUOROBENZENE	174.0	2009	6159	9.53	UG/L	97
67)	1,2-DICHLOROBENZENE-D4	152.0	2342	6941	10.20	UG/L	91

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG081::D6 Quant Output File: ^AG081::D3
Name: 93SV01S16, 20X DIL. Instrument ID: HP MSD#1
Misc: 12/18/92 HP MS#4, 250uL/5mL PURGE

Id File: IDAG1D::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921218 13:30

Operator ID: KELLY
Quant Time : 921218 17:39
Injected at: 921218 17:06

QUANT REPORT

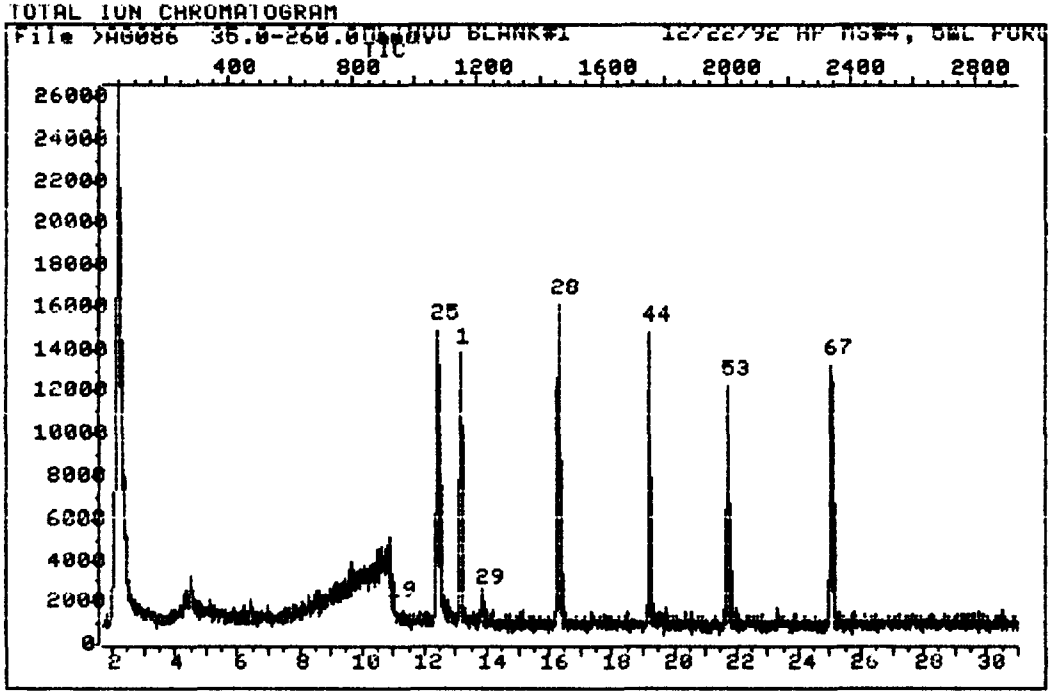
Operator ID: KELLY Quant Rev: 7 Quant Time: 921222 15:16
Output File: ^AG086::D3 Injected at: 921222 14:43
Data File: >AG086::D5 Dilution Factor: 1.00000
Name: METHOD BLANK#1 Instrument ID: HP MSD#1
Misc: 12/22/92 HP MS#4, 5mL PURGE

ID File: IDAG1E::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921222 12:27

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.14	96.0	26431	10.00	UG/L	96
19)	2-Butanone	11.02	43.0	2475	3.43	UG/L	69
25)	BENZENE-D6	12.43	84.0	28866	10.21	UG/L	99
28)	*TOLUENE-D8	16.28	98.0	23614	10.00	UG/L	92
29)	Trichloroethene	13.85	95.0	1371	1.15	UG/L	80
44)	*CHLOROBENZENE-D5	19.19	117.0	16866	10.00	UG/L	95
53)	p-BROMOFLUOROBENZENE	21.73	174.0	6731	9.53	UG/L	95
67)	1,2-DICHLOROBENZENE-D4	25.03	152.0	7641	10.10	UG/L	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >AG086::D5 Quant Output File: ^AG086::D3
Name: METHOD BLANK#1 Instrument ID: HP MSD#1
Misc: 12/22/92 HP MS#4, 5mL PURGE

Id File: IDAG1E::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921222 12:27

Operator ID: KELLY
Quant Time : 921222 15:16
Injected at: 921222 14:43

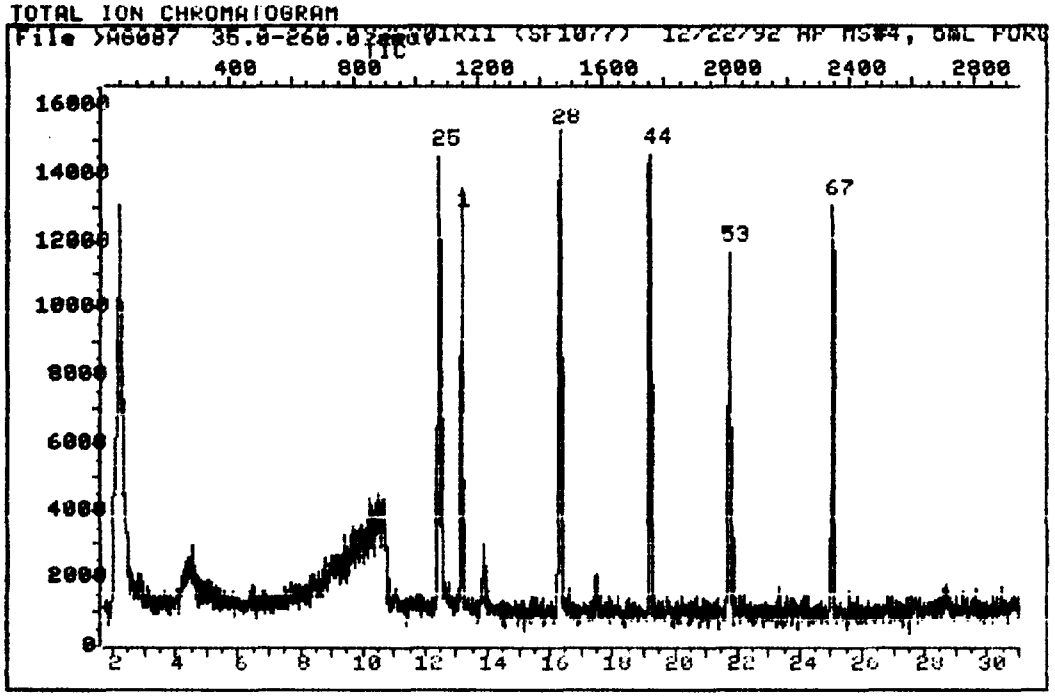
QUANT REPORT

Operator ID: KELLY Quant Rev: 7 Quant Time: 921222 15:52
Output File: ^AG087::D3 Injected at: 921222 15:20
Data File: >AG087::D5 Dilution Factor: 1.00000
Name: 93SV01R11 (SF1077) Instrument ID: HP MSD#1
Misc: 12/22/92 HP MS#4, 5mL PURGE

ID File: IDAG1E::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Date: 921222 12:27

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*FLUOROBENZENE	13.11	1143	25940	10.00	UG/L	98
25)	BENZENE-D6	12.42	1073	27731	10.00	UG/L	98
28)	*TOLUENE-D8	16.26	1459	22726	10.00	UG/L	96
44)	*CHLOROBENZENE-D5	19.18	1753	16667	10.00	UG/L	97
53)	p-BROMOFLUOROBENZENE	21.71	2007	6657	9.54	UG/L	90
67)	1,2-DICHLOROBENZENE-D4	25.02	2340	7407	9.91	UG/L	91

* Compound is ISTD



Data File: >AG087::D5 Quant Output File: ^AG087::D3
Name: 93SV01R11 (SF10/7) Instrument ID: HP MSD#1
Misc: 12/22/92 HP MS#4, 5mL PURGE

Id File: IDAG1E::SC
Title: ID FILE FOR EXTENDED VOA METHOD 524.2 12/02/91 RW/AG
Last Calibration: 921130 16:22 Last Qcal Time: 921222 12:27

Operator ID: KELLY
Quant Time : 921222 15:52
Injected at: 921222 15:20

ASK DESC:V0 NUMBER OF ENTRIES: 11 CURRENT INDEX: 4 09 DEC 92

NO.	VIAL	FILE	SAMPLE
1	1	CC1209	CLP,1077,,CC1209,L,W,,V,CC (WILL NOT BE US **
2	2	IC051209	CLP,1077,,IC051209,L,W,,V,IC05 **
3	3	IC101209	CLP,1077,,IC101209,L,W,,V,IC10 **
4	4	IC151209	CLP,1077,,IC151209,L,W,,V,IC15 **
5	5	IC201209	CLP,1077,,IC201209,L,W,,V,IC20
6	6	IC251209	CLP,1077,,IC251209,L,W,,V,IC25
7	7	1209BLK1	CLP,1077,,1209BLK1,L,W,,V,BLANK
8	8	1209BLK2	CLP,1077,,1209BLK2,L,W,,V,BLANK
9	9	1209CHK	CLP,1077,,1209BLK3,L,W,,V,1209CHK
10	10	120BLK3	CLP,1077,1209BLK3,L,W,,V,BLANK
11	11	BAKE	BAKE

ASK DESC:VO NUMBER OF ENTRIES: 8 CURRENT INDEX: 5

10 DEC 92

NO.	VIAL	FILE	SAMPLE
1	1	CC1210	CLP,1077,,CC1210,L,W,,V,CC **
2	2	CC21210	CLP,1077,,CC1210,L,W,,V,CC **
3	3	1210BLK1	CLP,1077,,1210BLK1,L,W,,V,BLANK **
4	4	1210BLK2	CLP,1077,,1210BLK2,L,W,,V,BLANK **
5	5	1077R04	CLP,1077,,1077R04,L,W,,V,EPA **
6	6	1077R05	CLP,1077,,1077R05,L,W,,V,EPA
7	7	1077R06	CLP,1077,,1077R06,L,W,,V,EPA
8	8	BAKE	BAKE

ASK DESC:VO NUMBER OF ENTRIES: 8 CURRENT INDEX: 5 10 DEC 92

ENTRY NO.: 1 FILE NAME: CC1210 **
SAMPLE: CLP,1077,,CC1210,L,W,,V,CC
CONDS.: 45' (3MIN) TO 220 @ 15'/MIN
FORMULA: ANALYST : ZAR WEIGHT: 0.000
SUBMITTED BY: ACCT. NO: PROC:DOTCA
AS-DESC: VO GC-DESC: VO SEQ-DESC: VO VIAL NO: 1

ENTRY NO.: 2 FILE NAME: CC21210 **
SAMPLE: CLP,1077,,CC1210,L,W,,V,CC
CONDS.: 45' (3MIN) TO 220 @ 15'/MIN
FORMULA: ANALYST : ZAR WEIGHT: 0.000
SUBMITTED BY: ACCT. NO: PROC:DOTCA
AS-DESC: VO GC-DESC: VO SEQ-DESC: VO VIAL NO: 2

ENTRY NO.: 3 FILE NAME: 1210BLK1 **
SAMPLE: CLP,1077,,1210BLK1,L,W,,V,BLANK
CONDS.: 45' (3MIN) TO 220 @ 15'/MIN
FORMULA: ANALYST : ZAR WEIGHT: 0.000
SUBMITTED BY: ACCT. NO: PROC:DOTCA
AS-DESC: VO GC-DESC: VO SEQ-DESC: VO VIAL NO: 3

ENTRY NO.: 4 FILE NAME: 1210BLK2 **
SAMPLE: CLP,1077,,1210BLK2,L,W,,V,BLANK
CONDS.: 45' (3MIN) TO 220 @ 15'/MIN
FORMULA: ANALYST : ZAR WEIGHT: 0.000
SUBMITTED BY: ACCT. NO: PROC:DOTCA
AS-DESC: VO GC-DESC: VO SEQ-DESC: VO VIAL NO: 4

ENTRY NO.: 5 FILE NAME: 1077R04 **
SAMPLE: CLP,1077,,1077R04,L,W,,V,EPA
CONDS.: 45' (3MIN) TO 220 @ 15'/MIN
FORMULA: ANALYST : ZAR WEIGHT: 0.000
SUBMITTED BY: ACCT. NO: PROC:DOTCA
AS-DESC: VO GC-DESC: VO SEQ-DESC: VO VIAL NO: 5

ENTRY NO.: 6 FILE NAME: 1077R05
SAMPLE: CLP,1077,,1077R05,L,W,,V,EPA
CONDS.: 45' (3MIN) TO 220 @ 15'/MIN
FORMULA: ANALYST : ZAR WEIGHT: 0.000
SUBMITTED BY: ACCT. NO: PROC:DOTCA
AS-DESC: VO GC-DESC: VO SEQ-DESC: VO VIAL NO: 6

MORE TO COME, TYPE <CR> TO CONTINUE...

ASK DESC:VO NUMBER OF ENTRIES: 8 CURRENT INDEX: 5 10 DEC 92

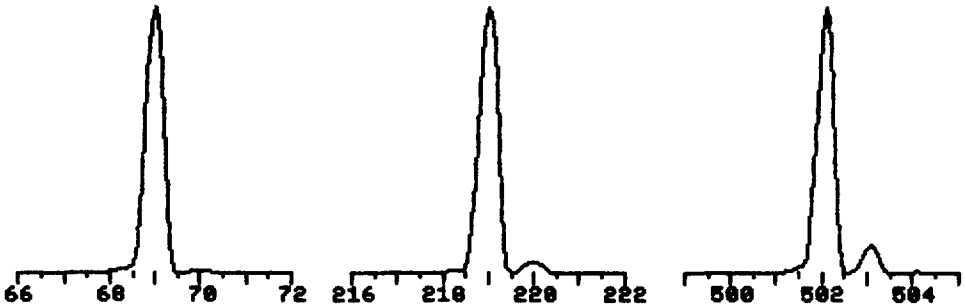
ENTRY NO.: 7 FILE NAME: 1077R06
SAMPLE: CLP,1077,,1077R06,L,W,,V,EPA
CONDS.: 45' (3MIN) TO 220 @ 15'/MIN
FORMULA: ANALYST : ZAR WEIGHT: 0.000
SUBMITTED BY: ACCT. NO: PROC:DOTCA
AS-DESC: VO GC-DESC: VO SEQ-DESC: VO VIAL NO: 7

ENTRY NO.: 8 FILE NAME: BAKE
SAMPLE: BAKE
CONDS.: 45' (3MIN) TO 220 @ 15'/MIN
FORMULA: ANALYST : ZAR WEIGHT: 0.000
SUBMITTED BY: ACCT. NO: PROC:
AS-DESC: VO GC-DESC: BK SEQ-DESC: VO VIAL NO: 8

PROFILE SCAN ver 830402

INST # 1: HP MSD#1 TYPE: 5970 DATE: 12/08/92 11:16

Repeller (V)	10.2	X - Ray (V)	76.0	AMU Offset	52
Ion Focus (V)	0.0	EM Volts (V)	1913	Mass Gain	57
Ent Lens (mV)	50	AMU Gain	150	Mass Offset	11

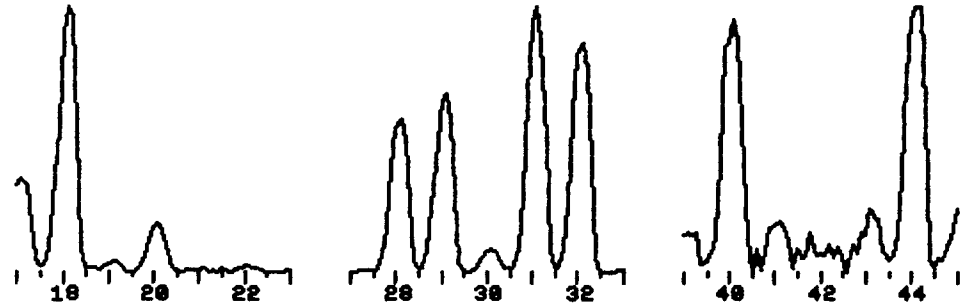


MASS	ABUND	REL. ABUND	FWHM	ISO FWHM
69.00	167212.	100.00	.480	.490
219.00	44786.	26.78	.500	.480
502.10	9796.	5.86	.420	.420

PROFILE SCAN ver 830402

INST # 1: HP MSD#1 TYPE: 5970 DATE: 12/08/92 11:38

Repeller (V)	10.2	X - Ray (V)	76.0	AMU Offset	52
Ion Focus (V)	0.0	EM Volts (V)	1913	Mass Gain	150
Ent Lens (mV)	50	AMU Gain	150	Mass Offset	11



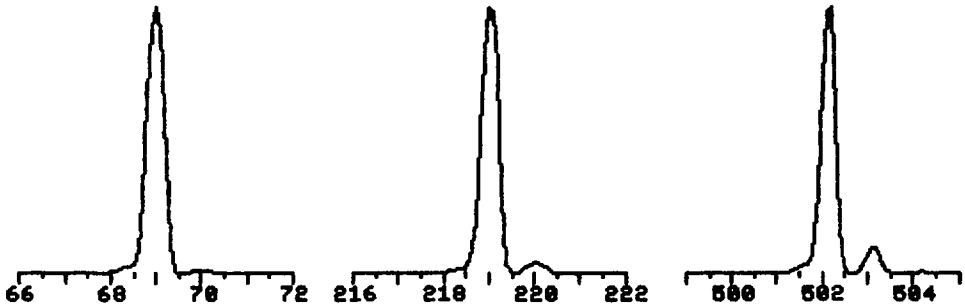
MASS	ABUND	REL. ABUND	FWHM	ISO FWHM
18.10	2302.	13.71	.420	.440
31.10	16792.	100.00	.440	.440
44.20	199.	1.19	.480	.370

REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S

End of sequence file.

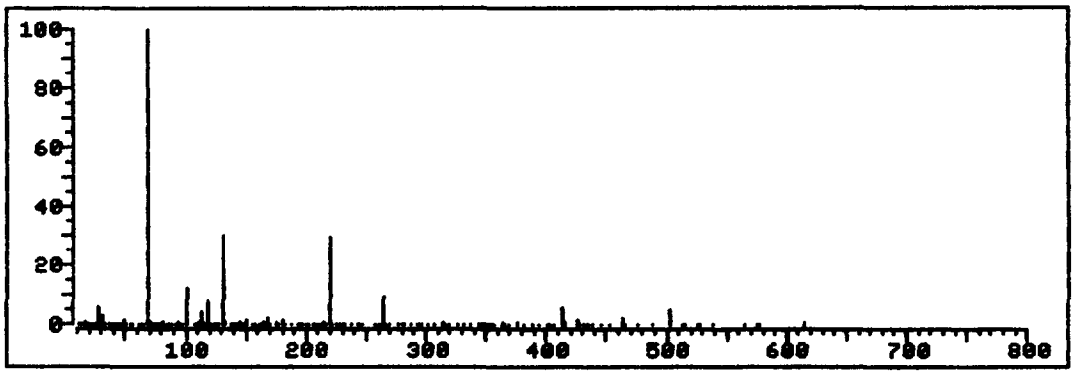
PROFILE SCAN ver 830402

INST # 1:	HP MSD#1	TYPE:	5970	DATE: 12/10/92	8:46
Repeller (V)	10.2	X - Ray (V)	76.0	AMU Offset	52
Ion Focus (V)	0.0	EM Volts (V)	1913	Mass Gain	57
Ent Lens (mV)	50	AMU Gain	150	Mass Offset	11



MASS	ABUND	REL. ABUND	FWHM	ISO FWHM
69.00	183413.	100.00	.460	.460
219.00	55795.	30.42	.460	.460
502.20	10939.	5.96	.370	.370

INST # 1:	HP MSD#1	TYPE:	5970	DATE: 12/10/92	8:49
Mass Range	10- 800			Peaks detected	213
Base Peak	68.95	Abundance	152704	Total Ab.	385668
Samples / A.D.	16	Integration	50	Threshold	10

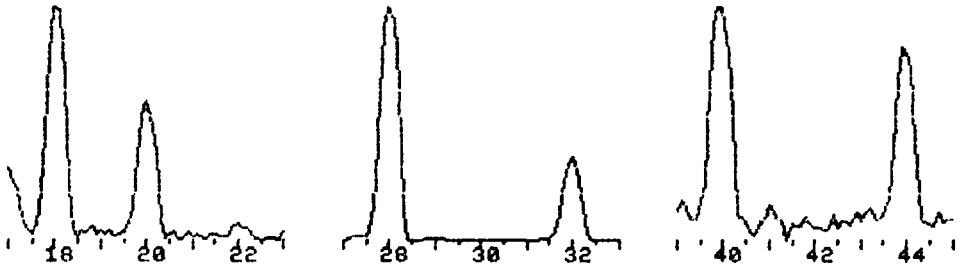


Mass	Abund	Rel. Abund	Iso Mass	Iso Abund	Iso Ratio
68.95	152704	100.00	69.95	1568	1.03
219.00	45176	29.58	220.00	1911	4.23
502.15	7441	4.87	503.15	738	9.92

PROFILE SCAN ver 830402

INST # 1: HP MSD#1 TYPE: 5970 DATE: 12/18/92

Repeller	(V)	10.2	X Ray	(V)	68.0	AMU Offset	
Ion Focus	(V)	4.0	EM Volts	(V)	1913	Mass Gain	
Ent Lens	(mV)	40	AMU Gain		143	Mass Offset	

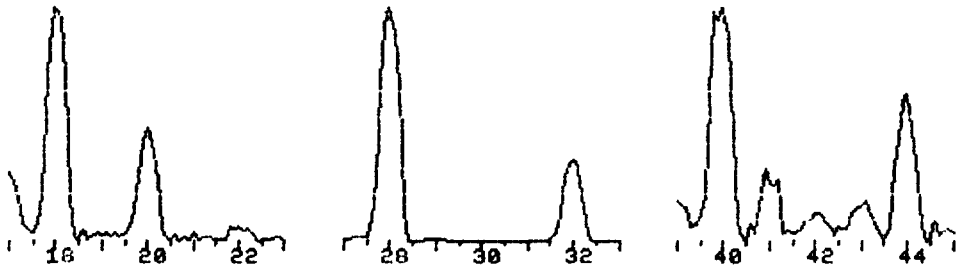


MASS	ABUND	REL. ABUND	FWHM	ISO FWHM
18.00	720.	8.31	.420	.760
28.00	8664.	100.00	.460	.490
40.00	206.	2.38	.540	.520

PROFILE SCAN ver 830402

INST # 1: HP MSD#1 TYPE: 5970 DATE: 12/22/92

Repeller	(V)	10.2	X - Ray	(V)	68.0	AMU Offset	
Ion Focus	(V)	4.0	Em Volts	(V)	1913	Mass Gain	
Ent Lens	(mV)	40	AMU Gain		143	Mass Offset	



MASS	ABUND	REL. ABUND	FWHM	ISO FWHM
18.00	994.	9.25	.450	1.940
28.00	10741.	100.00	.470	.510
40.00	228.	2.12	.510	.510

FMGR : BLIST,BAAG01

Sequence File: BAAG01::SC

Tune File: MTMSD1

CR List: D6,D5,D4
CR Cut-off: 2000 blocks.

Number of samples: 6

```
                                                    Report Data Archive
                                                   Quant | | ID Archive
                                        Sample Size | | | | Output Archive
                                       Bottle      | | | | | |
Samp Data File     Sample Name                |      | | | | | |     Quant ID
 No. Method File   Misc Data                  |      | | | | | |     Quant Output
---- ------------ ------------------------ ------------------- ------------
001) >AG005        5 PPB IC STD              0      3 Y M N N N     IDNF2D::SC
     VOA#1         12/8/92 HP MS#4, 5mL PUR        Dil=1.00000     ^AG005::D3
     REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
     REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
002) >AG006        25 PPB IC STD             0      3 Y M N N N     IDNF2D::SC
     VOA#1         12/8/92 HP MS#4, 5mL PUR        Dil=1.00000     ^AG006::D3
     REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
     REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
003) >AG007        50 PPB IC STD             0      3 Y M N N N     IDNF2D::SC
     VOA#1         12/8/92 HP MS#4, 5mL PUR        Dil=1.00000     ^AG007::D3
     REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
     REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
004) >AG008        100 PPB IC STD            0      3 Y M N N N     IDNF2D::SC
     VOA#1         12/8/92 HP MS#4, 5mL PUR        Dil=1.00000     ^AG008::D3
     REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
     REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
005) >AG009        150 PPB IC STD            0      3 Y M N N N     IDNF2D::SC
     VOA#1         12/8/92 HP MS#4, 5mL PUR        Dil=1.00000     ^AG009::D3
     REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
     REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
006) >AG010        METHOD BLANK #1           0      3 Y M N N N     IDNF2D::SC
     VOA#1         12/8/92 HP MS#4, 5mL PUR        Dil=1.00000     ^AG010::D3
     REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
     REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
```

End of sequence file.

```
FMGR : BLIST,BAAG02

 Sequence File: BAAG02::SC
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 Tune File: MTMSD1

 CR List: D6,D5,D4
 CR Cut-off:  2000 blocks.
                                                        Report Data Archive
                                                       Quant | | ID Archive
 Number of samples:   9                     Sample Size | | | | Output Archive
                                           Bottle      | | | | | | |
 Samp Data File     Sample Name                |      | | | | | | |     Quant ID
  No. Method File   Misc Data                   |      | | | | | | |     Quant Output
 ---- ------------ ------------------------ -------------------  ------------
 001) >AG006        25 PPB IC STD              0      3 Y M N N N     IDNF2D::SC
      VOA#1         12/8/92 HP MS#4, 5mL PUR        Dil=1.00000     ^AG006::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#
 002) >AG007        50 PPB IC STD              0      3 Y M N N N     IDNF2D::SC
      VOA#1         12/8/92 HP MS#4, 5mL PUR        Dil=1.00000     ^AG007::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#
 003) >AG008        100 PPB IC STD             0      3 Y M N N N     IDNF2D::SC
      VOA#1         12/8/92 HP MS#4, 5mL PUR        Dil=1.00000     ^AG008::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#
 004) >AG009        150 PPB IC STD             0      3 Y M N N N     IDNF2D::SC
      VOA#1         12/8/92 HP MS#4, 5mL PUR        Dil=1.00000     ^AG009::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#
 005) >AG010        METHOD BALNK #1            0      3 Y M N N N     IDNF2D::SC
      VOA#1         12/8/92 HP MS#4, 5mL PUR        Dil=1.00000     ^AG010::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#
 006) >AG011        METHOD BLANK #2            0      3 Y M N N N     IDNF2D::SC
      VOA#1         12/8/92 HP MS#4, 5mL PUR        Dil=1.00000     ^AG011::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#
 007) >AG012        ICALCHK                    0      3 Y M N N N     IDNF2D::SC
      VOA#1         12/8/92 HP MS#4, 5mL PUR        Dil=1.00000     ^AG012::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#
 008) >AG013        METHOD BLANK #3            0      3 Y M N N N     IDNF2D::SC
      VOA#1         12/8/92 HP MS#4, 5mL PUR        Dil=1.00000     ^AG013::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#
 009) >XX014        BAKEOUT                    0      3 N N N N N     IDNF2D::SC
      BO#1          12/8/92 HP MS#4, 5mL PUR        Dil=1.00000
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#

 End of sequence file.
```

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FMGR : BLIST,BAAG04

 Sequence File: BAAG04::SC
 -----------------------------------------

 Tune File: MTMSD1

 CR List: D6,D5,D4
 CR Cut-off:  2000 blocks.
                                                   Report Data Archive
                                                  Quant | | ID Archive
 Number of samples:  11                   Sample Size | | | | Output Archive
                                         Bottle       | | | | | | |
 Samp Data File     Sample Name                |      | | | | | | |    Quant ID
  No. Method File   Misc Data                   |      | | | | | | |    Quant Output
 ---- ------------ ------------------------ -------------------  ------------
 001) >AG018        METHOD BLANK #2            0      3 Y M N N N    IDAG1B::SC
      VOA#1         12/9/92 HP MS#4, 5mL PUR        Dil=1.00000    ^AG018::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
 002) >AG019        1077R01                    0      3 Y M N N N    IDAG1B::SC
      VOA#1         12/9/92 HP MS#4, 5mL PUR        Dil=1.00000    ^AG019::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
 003) >AG020        1077R02                    0      3 Y M N N N    IDAG1B::SC
      VOA#1         12/9/92 HP MS#4, 5mL PUR        Dil=1.00000    ^AG020::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
 004) >AG021        1077R03                    0      3 Y M N N N    IDAG1B::SC
      VOA#1         12/9/92 HP MS#4, 5mL PUR        Dil=1.00000    ^AG021::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
 005) >AG022        1077S01, 5X DIL            0      3 Y M N N N    IDAG1B::SC
      VOA#1         12/9/92 HP MS#4, 1mL/5mL        Dil=1.00000    ^AG022::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
 006) >AG023        1077S02, 25X DIL           0      3 Y M N N N    IDAG1B::SC
      VOA#1         12/9/92 HP MS#4, 200mL/5        Dil=1.00000    ^AG023::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
 007) >AG024        1077S03, 20X DIL           0      3 Y M N N N    IDAG1B::SC
      VOA#1         12/9/92 HP MS#4, 250mL/5        Dil=1.00000    ^AG024::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
 008) >AG025        1077S04, 25X DIL           0      3 Y M N N N    IDAG1B::SC
      VOA#1         12/9/92 HP MS#4, 200mL/5        Dil=1.00000    ^AG025::QT
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
 009) >AG026        1078R08                    0      3 Y M N N N    IDAG1B::SC
      VOA#1         12/9/92 HP MS#4, 5mL PUR        Dil=1.00000    ^AG026::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
 010) >AG027        1078S10                    0      3 Y M N N N    IDAG1B::SC
      VOA#1         12/9/92 HP MS#4, 5mL PUR        Dil=1.00000    ^AG027::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#, Omit types:I-S
 011) >XX028        BAKEOUT                    0      3 N N N N N    IDAG1B::SC
      BO#1          12/9/92 HP MS#4, 5mL PUR        Dil=1.00000
```

Sequence File: S_KH1::D2

Tune File: MTMSD1

CR List: D4,D5,D6,D1
CR Cut-off: 1500 blocks.

Number of samples: 12

Samp No.	Data File / Method File	Sample Name / Misc Data	Sample Bottle	Report Data Archive / Quant Size / ID Archive / Output Archive	Quant ID / Quant Output
001)	>AG032	METHOD BLANK	0	3 Y M N N N	IDAG1B::SC
	VOA#1	12/10/92 624 VOC		Dil=1.00000	^AG032::D3
002)	>AG033	METHOD BLANK 2	0	3 Y M N N N	IDAG1B::SC
	VOA#1	12/10/92 624 VOC		Dil=1.00000	^AG033::D3
003)	>AG034	92SV01S01 5ML	0	3 Y M N N N	IDAG1B::SC
	VOA#1	12/10/92 624 VOC		Dil=1.00000	^AG034::D3
004)	>AG035	92SV01S02 200UL:5ML	0	3 Y M N N N	IDAG1B::SC
	VOA#1	12/10/92 624 VOC		Dil=1.00000	^AG035::D3
005)	>AG036	178R08 5ML	0	3 Y M N N N	IDAG1B::SC
	VOA#1	12/10/92 624 VOC		Dil=1.00000	^AG036::D3
006)	>AG037	178S10 5ML	0	3 Y M N N N	IDAG1B::SC
	VOA#1	12/10/92 624 VOC		Dil=1.00000	^AG037::D3
007)	>AG038	93SV01D02 200UL:5ML	0	3 Y M N N N	IDAG1B::SC
	VOA#1	12/10/92 624 VOC		Dil=1.00000	^AG038::D3
008)	>AG039	93SV01S04 250UL:5ML	0	3 Y M N N N	IDAG1B::SC
	VOA#1	12/10/92 624 VOC		Dil=1.00000	^AG039::D3
009)	>AG040	93SV01D04 250UL:5ML	0	3 Y M N N N	IDAG1B::SC
	VOA#1	12/10/92 624 VOC		Dil=1.00000	^AG040::D3
010)	>AG041	93SV01S05 250UL:5ML	0	3 Y M N N N	IDAG1B::SC
	VOA#1	12/10/92 624 VOC		Dil=1.00000	^AG041::D3
011)	>AG042	93SV01D05 250UL:5ML	0	3 Y M N N N	IDAG1B::SC
	VOA#1	12/10/92 624 VOC		Dil=1.00000	^AG042::D3
012)	>XX043	BAKE OUT	0	3 Y M N N N	IDAG1B::SC
	VOA#1	12/10/92 624 VOC		Dil=1.00000	^XX043::QT

End of sequence file.

Sequence File: S_KH2::D5

Tune File: MTMSD1

CR List: D4,D5,D6,D1
CR Cut-off: 1500 blocks.

Number of samples: 2

Samp No.	Data File / Method File	Sample Name / Misc Data	Bottle	Sample Size / Quant	Report	Quant	Data	Archive	ID	Archive	Output	Quant ID / Quant Output
001)	>AG046	METHOD BLANK 1	0	3	Y	M	N	N	N			IDAG1B::SC
	VOA#1	12/14/92 5ML		Dil=1.00000								^AG046::D1
002)	>AG047	METHOD BLANK 1	0	3	Y	M	N	N	N			IDAG1B::SC
	VOA#1	12/14/92 5ML		Dil=1.00000								^AG047::D1

End of sequence file.

Sequence File: BAZR01::SC

Tune File: MTMSD1

CR List: D4,D5,D6,D1
CR Cut-off: 1500 blocks.

Number of samples: 9

```
                                                    Report Data Archive
                                                  Quant | | ID Archive
                                        Sample Size | | | | Output Archive
                                       Bottle     | | | | | |
Samp Data File     Sample Name                |     | | | | | |     Quant ID
 No. Method File   Misc Data                  |     | | | | | |     Quant Output
---- ------------ ------------------------ -------------------  ------------
001) >AG048        93SV01S06                  0     3 Y M N N N     IDAG1B::SC
     VOA#1         12/14/92 624 VOC 1:25 DI        Dil=1.00000     ^AG048::D3
     REPRT OPTIONS: Label Meth:1, B option, Scale time: 1.500
002) >AG049        93SV01D06                  0     3 Y M N N N     IDAG1B::SC
     VOA#1         12/14/92 624 VOC 1:25 DI        Dil=1.00000     ^AG049::D3
     REPRT OPTIONS: Label Meth:1, B option, Scale time: 1.500
003) >AG050        93SV01S07                  0     3 Y M N N N     IDAG1B::SC
     VOA#1         12/14/92 624 VOC 1:25 DI        Dil=1.00000     ^AG050::D3
     REPRT OPTIONS: Label Meth:1, B option, Scale time: 1.500
26 004) >AG051        93SV01D07                  0     3 Y M N N N     IDAG1B::SC
     VOA#1         12/14/92 624 VOC 1:25 DI        Dil=1.00000     ^AG051::D3
     REPRT OPTIONS: Label Meth:1, B option, Scale time: 1.500
1, 005) >AG052        93SV01S08                  0     3 Y M N N N     IDAG1B::SC
     VOA#1         12/14/92 624 VOC 1:25 DI        Dil=1.00000     ^AG052::D3
     REPRT OPTIONS: Label Meth:1, B option, Scale time: 1.500
60,2,3,6 006) >AG053        93SV01D08                  0     3 Y M N N N     IDAG1B::SC
     VOA#1         12/14/92 624 VOC  1:25 D        Dil=1.00000     ^AG053::D3
     REPRT OPTIONS: Label Meth:1, B option, Scale time: 1.500
007) >AG054        93SV01S09                  0     3 Y M N N N     IDAG1B::SC
     VOA#1         12/14/92 624 VOC  1:25 D        Dil=1.00000     ^AG054::D3
     REPRT OPTIONS: Label Meth:1, B option, Scale time: 1.500
008) >AG055        93SV01S10                  0     3 Y M N N N     IDAG1B::SC
     VOA#1         12/14/92 624 VOC 1:25 DI        Dil=1.00000     ^AG055::D3
     REPRT OPTIONS: Label Meth:1, B option, Scale time: 1.500
009) >XX056        BAKE OUT                   0     3 Y M N N N     IDAG1B::SC
     BO#1          12/14/92 624 VOC                Dil=1.00000     ^XX056::QT
     REPRT OPTIONS: Label Meth:1, B option, Scale time: 1.500
```

End of sequence file.

```
FMGR : BLIST,BAAG05

 Sequence File: BAAG05::SC
 -----------------------------------------

 Tune File: MTMSD1

 CR List: D6,D5,D4
 CR Cut-off:  2000 blocks.
                                                   Report Data Archive
                                                  Quant | | ID Archive
 Number of samples:   2                   Sample Size | | | | Output Archive
                                         Bottle      | | | | | |
 Samp Data File     Sample Name                |      | | | | | |    Quant ID
  No. Method File   Misc Data                   |      | | | | | |    Quant Output
 ---- ------------ ------------------------ -------------------  ------------
 001) >AG057       50 PPB CC STD.             0      3 Y M N N N    IDAG1B::SC
      VOA#1        12/16/92 HP MS#4, 5mL PU        Dil=1.00000    ^AG057::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#
 002) >AG058       50 PPB CC STD.             0      3 Y M N N N    IDAG1B::SC
      VOA#1        12/16/92 HP MS#4, 5mL PU        Dil=1.00000    ^AG058::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces Scan#

 End of sequence file.
```

```
FMGR : BLIST,BAAG06

 Sequence File: BAAG06::SC
 -----------------------------------------

 Tune File: MTMSD1

 CR List: D6,D5,D4
 CR Cut-off:  2000 blocks.
                                                   Report Data Archive
                                                  Quant | | ID Archive
 Number of samples:   2                   Sample Size | | | | Output Archive
                                         Bottle     | | | | | |
 Samp Data File     Sample Name              |     | | | | | |    Quant ID
  No. Method File   Misc Data                 |     | | | | | |    Quant Output
 ---- ------------ ------------------------ ------------------  ------------
 001) >AG060       93SV01R08, SF1077        0     3 Y M N N N    IDAG1C::SC
      VOA#1        12/16/92 HP MS#4, 5mL PU       Dil=1.00000    ^AG060::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT, Omit types:I-S
 002) >AG061       93SV01S11, 20X DIL.      0     3 Y M N N N    IDAG1C::SC
      VOA#1        12/16/92 HP MS#4, 250uL/       Dil=1.00000    ^AG061::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT, Omit types:I-S

 End of sequence file.
```

```
FMGR : BLIST,BAAG07

 Sequence File: BAAG07::SC
 ------------------------------------------

 Tune File: MTMSD1

 CR List: D6,D5,D4
 CR Cut-off:  2000 blocks.
                                                   Report Data Archive
                                                  Quant | | ID Archive
 Number of samples:   9                  Sample Size | | | | Output Archive
                                        Bottle     | | | | | |
 Samp Data File     Sample Name              |     | | | | | |     Quant ID
  No. Method File   Misc Data                |     | | | | | |     Quant Output
 ---- ------------ ------------------------ ------------------- ------------
 001) >AG062        93SV01R04, SF1077        0     3 Y M N N N     IDAG1C::SC
      VOA#1         12/16/92 HP MS#4, 5mL PU       Dil=1.00000     ^AG062::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT, Omit types:I-S
 002) >AG063        93SV01S12, 10X DIL       0     3 Y M N N N     IDAG1C::SC
      VOA#1         12/16/92 HP MS#4, 500uL/       Dil=1.00000     ^AG063::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT, Omit types:I-S
 003) >AG064        93SV01S13, 10X DIL       0     3 Y M N N N     IDAG1C::SC
      VOA#1         12/16/92 HP MS#4, 500uL/       Dil=1.00000     ^AG064::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT, Omit types:I-S
 004) >AG065        93SV01S06, 2X DIL        0     3 Y M N N N     IDAG1C::SC
      VOA#1         12/16/92 HP MS#4, 2.5mL/       Dil=1.00000     ^AG065::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT, Omit types:I-S
 005) >AG066        93SV01D06, 2X DIL        0     3 Y M N N N     IDAG1C::SC
      VOA#1         12/16/92 HP MS#4, 2.5mL/       Dil=1.00000     ^AG066::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT, Omit types:I-S
 006) >AG067        93SV01S06, NO DIL.       0     3 Y M N N N     IDAG1C::SC
      VOA#1         12/16/92 HP MS#4, 5mL PU       Dil=1.00000     ^AG067::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT, Omit types:I-S
 007) >AG068        93SV01D06, NO DIL.       0     3 Y M N N N     IDAG1C::SC
      VOA#1         12/16/92 HP MS#4, 5mL PU       Dil=1.00000     ^AG068::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT, Omit types:I-S
 008) >AG069        93SV01S11, 10X DIL       0     3 Y M N N N     IDAG1C::SC
      VOA#1         12/16/92 HP MS#4, 500uL/       Dil=1.00000     ^AG069::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT, Omit types:I-S
 009) >XX069        BAKEOUT                  0     3 N N N N N     IDAG1C::SC
      BO#1          12/16/92 HP MS#4, 500uL/       Dil=1.00000
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT, Omit types:I-S

 End of sequence file.
```

```
FMGR : BLIST,BAAG08

 Sequence File: BAAG08::SC
 ------------------------------------------

 Tune File: MTMSD1

 CR List: D6,D5,D4
 CR Cut-off:  2000 blocks.
                                                      Report Data Archive
                                                     Quant | | ID Archive
 Number of samples:    4                   Sample Size | | | | Output Archive
                                          Bottle      | | | | | |
 Samp Data File     Sample Name                |      | | | | | |     Quant ID
  No. Method File   Misc Data                  |      | | | | | |     Quant Output
 ---- ------------ ------------------------ ------------------- ------------
 001) >AG070        93SV01R09, SF1077         0      3 Y M N N N     IDAG1C::SC
      VOA#1         12/16/92 HP MS#4, 5mL PU        Dil=1.00000     ^AG070::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT
 002) >AG071        93SV01S14, 10 X DIL.      0      3 Y M N N N     IDAG1C::SC
      VOA#1         12/16/92 HP MS#4, 500uL/        Dil=1.00000     ^AG071::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT
 003) >AG072        93SV01S15, 10 X DIL.      0      3 Y M N N N     IDAG1C::SC
      VOA#1         12/16/92 HP MS#4, 500uL/        Dil=1.00000     ^AG072::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT
 004) >XX073        BAKEOUT                   0      3 N N N N N     IDAG1C::SC
      BO#1          12/16/92 HP MS#4, 500uL/        Dil=1.00000
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT

 End of sequence file.
```

```
FMGR : BLIST,BAAG09

 Sequence File: BAAG09::SC
 ------------------------------------------

 Tune File: MTMSD1

 CR List: D6,D5,D4
 CR Cut-off:  2000 blocks.
                                                    Report Data Archive
                                                   Quant | | ID Archive
 Number of samples:   4                   Sample Size | | | | Output Archive
                                         Bottle     | | | | | |
 Samp Data File     Sample Name                |     | | | | | |     Quant ID
  No. Method File   Misc Data                  |     | | | | | |     Quant Output
 ---- ------------ ------------------------ ------------------- ------------
 001) >AG074        50 PPB CC STD              0     3 Y M N N N     IDAG1D::SC
      VOA#1         12/18/92, HP MS#4, 5mL P        Dil=1.00000     ^AG074::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT
 002) >AG075        50 PPB CC STD              0     3 Y M N N N     IDAG1D::SC
      VOA#1         12/18/92, HP MS#4, 5mL P        Dil=1.00000     ^AG075::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT
 003) >AG076        METHOD BLANK #1            0     3 Y M N N N     IDAG1D::SC
      VOA#1         12/18/92, HP MS#4, 5mL P        Dil=1.00000     ^AG076::QT
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT
 004) >XX077        BAKEOUT                    0     3 N N N N N     IDAG1C::SC
      BO#1          12/18/92, HP MS#4, 5mL P        Dil=1.00000
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT

 End of sequence file.
```

```
FMGR : BLIST,BAAG10

 Sequence File: BAAG10::SC
 -----------------------------------------

 Tune File: MTMSD1

 CR List: D6,D5,D4
 CR Cut-off:  2000 blocks.
                                                      Report Data Archive
                                                     Quant | | ID Archive
 Number of samples:   7                     Sample Size | | | | Output Archive
                                           Bottle      | | | | | |
 Samp Data File     Sample Name                |      | | | | | |    Quant ID
  No. Method File   Misc Data                   |      | | | | | |    Quant Output TUBE
 ---- ------------ ------------------------ -------------------  ------------
 001) >AG077        METHOD BLANK#1             0      3 Y M N N N    IDAG1D::SC
      VOA#1         12/18/92 HP MS#4, 5mL PU        Dil=1.00000    ^AG077::D3   5
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT
 002) >AG078        METHOD BLANK#2             0      3 Y M N N N    IDAG1D::SC
      VOA#1         12/18/92 HP MS#4, 5mL PU        Dil=1.00000    ^AG078::D3   6
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT
 003) >AG079        93SV01R07, SF1077          0      3 Y M N N N    IDAG1D::SC
      VOA#1         12/18/92 HP MS#4, 5mL PU        Dil=1.00000    ^AG079::D3   7
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT
 004) >AG080        93SV01R10, SF1077          0      3 Y M N N N    IDAG1D::SC
      VOA#1         12/18/92 HP MS#4, 5mL PU        Dil=1.00000    ^AG080::D3   8
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT
 005) >AG081        93SV01S16, 20X DIL.        0      3 Y M N N N    IDAG1D::SC
      VOA#1         12/18/92 HP MS#4, 250uL/        Dil=1.00000    ^AG081::D3   9
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT
 006) >AG082        93SV01S16, 10X DIL.        0      3 Y M N N N    IDAG1D::SC
      VOA#1         12/18/92 HP MS#4, 500uL/        Dil=1.00000    ^AG082::D3   11
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT
 007) >XX083        ~~93SV01S16, 10X DIL.~~ BAKEOUT ag  3 N N N N N    IDAG1D::SC   —
      BO#1          12/18/92 HP MS#4, 500uL/  12/21/92 Dil=1.00000
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 1.000
      REPRT OPTIONS: Qion replaces RT

 End of sequence file.
```

```
FMGR : BLIST,BAAG11

 Sequence File: BAAG11::SC
 -----------------------------------------

 Tune File: MTMSD1

 CR List: D6,D5,D4
 CR Cut-off:  2000 blocks.
                                                   Report Data Archive
                                                  Quant | | ID Archive
 Number of samples:   3                    Sample Size | | | | Output Archive
                                          Bottle      | | | | | |
 Samp Data File    Sample Name                |      | | | | | |    Quant ID
  No. Method File  Misc Data                  |      | | | | | |    Quant Output
 ---- ------------ ------------------------ -------------------  ------------
 001) >AG084       50 PPB CC STD              0      3 Y M N N N    IDAG1E::SC
      VOA#1        12/22/92 HP MS#4                 Dil=1.00000    ^AG084::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 2.000
      REPRT OPTIONS: Qion replaces Scan#
 002) >AG085       50 PPB CC STD              0      3 Y M N N N    IDAG1E::SC
      VOA#1        12/22/92 HP MS#4                 Dil=1.00000    ^AG085::QT
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 2.000
      REPRT OPTIONS: Qion replaces Scan#
 003) >XX086       BAKEOUT                    0      3 N N N N N
      BO#1         12/22/92 HP MS#4                 Dil=1.00000
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 2.000
      REPRT OPTIONS: Qion replaces Scan#

 End of sequence file.
```

```
FMGR : BLIST,BAAG12

 Sequence File: BAAG12::SC
 -----------------------------------------

 Tune File: MTMSD1

 CR List: D6,D5,D4
 CR Cut-off:  2000 blocks.
                                                      Report Data Archive
                                                     Quant | | ID Archive
 Number of samples:   2                    Sample Size | | | | Output Archive
                                          Bottle      | | | | | |
 Samp Data File     Sample Name                |      | | | | | |    Quant ID
  No. Method File   Misc Data                   |      | | | | | |    Quant Output
 ---- ------------ ------------------------ -------------------  ------------
 001) >AG086        METHOD BLANK #1          0      3 Y M N N N    IDAG1E::SC
      VOA#1         12/22/92 HP MS#4, 5mL PU        Dil=1.00000    ^AG086::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 2.000
      REPRT OPTIONS: Qion replaces Scan#
 002) >AG087        93SV01R11 (SF1077)       0      3 Y M N N N    IDAG1E::SC
      VOA#1         12/22/92 HP MS#4, 5mL PU        Dil=1.00000    ^AG087::D3
      REPRT OPTIONS: Label Meth:4, B option, Scale time: 2.000
      REPRT OPTIONS: Qion replaces Scan#

 End of sequence file.
```