M60050.000069
MCAS EL TORO
SSIC # 5090.3

**HADLEY INDUSTRIES**
environmental technologies

April 17, 1992

Mr. Andy Piszkin
Southwest Division, NAVFACENGCOM
1220 Pacific Highway (Code 0214)
San Diego, California 92132-5190

RE: MCAS EL TORO
Santa Ana, California

Dear Mr. Piszkin:

Enclosed is the Sample Data Package of CLP analytical work and associated Quality Assurance/Quality Control data for the samples collected during the month of March 1992.

Please feel free to call me at 1-800-345-4227 if you have any questions regarding this information.

Sincerely,

HADLEY INDUSTRIES

Donald A. Klemm

Donald A. Klemm
National Operations Manager

dlb

Enclosures

Corporate Office: 5900 West Fourth Street • P.O. Box 489 • Ludington, Michigan 49431 • (616) 843-3372
Chicago Office: P.O. Box 8673 • Rolling Meadows, Illinois 60008 • 1-800-345-4227

**Pacific Analytical, Inc.**

6349 Paseo Del Lago, Suite 102, Carlsbad, CA 92009
(619) 931-1766 • FAX: 931-9479

Pacific Analytical 04/09/92

P A Reference: 133

Hadley Industries

Samples:

INFLUENT, BETWEEN, EFFLUENT

Comments:

The above samples were analyzed by the CLP Volatiles method but the analyses were done outside of holding times. Recoveries of the system monitoring compounds, internal standard areas and retention times were all within the specified limits for this type of analysis. A matrix spike and matrix spike duplicate was analyzed for sample INFLUENT.

The INFLUENT sample contained methylene chloride, acetone, carbon disulfide, trichloroethene and tetrachloroethene. Methylene chloride and acetone were present in the samples BETWEEN and EFFLUENT at concentrations below the reported quantitation limit.

Elana Colby

Elana Colby

Senior Chemist

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.: SAS No.: SDG No.:

| | EPA SAMPLE NO. | SMC1 (TOL)# | SMC2 (BFB)# | SMC3 (DCE)# | OTHER | TOT OUT |
|---|---|---|---|---|---|---|
| 01 | VBLK01 | 96 | 97 | 99 | | 0 |
| 02 | INFLUENT | 93 | 95 | 96 | | 0 |
| 03 | BETWEEN | 93 | 99 | 101 | | 0 |
| 04 | EFFLUENT | 97 | 99 | 98 | | 0 |
| 05 | INFLUENT-MS | 100 | 101 | 100 | | 0 |
| 06 | INFLUENT-MSD | 97 | 105 | 94 | | 0 |
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| | QC LIMITS |
|---|---|
| SMC1 (TOL) = Toluene-d8 | (88-110) |
| SMC2 (BFB) = Bromofluorobenzene | (86-115) |
| SMC3 (DCE) = 1,2-Dichloroethane-d4 | (76-114) |

# Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

5A

# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: PACIFIC ANALYTICAL  Contract:

Lab Code: PACIF  Case No.:  SAS No.:  SDG No.:

Lab File ID: EE1011  BFB Injection Date: 03/25/92

Instrument ID: VG#2  BFB Injection Time: 0956

GC Column: 1%SP1000  ID: 2 (mm)  Heated Purge: (Y/N) N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 19.6 |
| 75 | 30.0 - 66.0% of mass 95 | 40.3 |
| 95 | Base peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.1 |
| 173 | Less than 2.0% of mass 174 | 0.4 ( 0.5)1 |
| 174 | 50.0 - 120.0% of mass 95 | 75.0 |
| 175 | 4.0 - 9.0% of mass 174 | 5.4 ( 7.2)1 |
| 176 | 93.0 - 101.0% of mass 174 | 70.2 ( 93.6)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.8 ( 6.9)2 |

1-Value is % mass 174  2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATA ANALYZED | TIME ANALYZED |
|---|---|---|---|---|---|
| 01 | VSTD200 | 00200 | EE1021 | 03/25/92 | 1052 |
| 02 | VSTD100 | 00100 | EE1031 | 03/25/92 | 1156 |
| 03 | VSTD050 | 00050 | EE1041 | 03/25/92 | 1247 |
| 04 | VSTD020 | 00020 | EE1051 | 03/25/92 | 1334 |
| 05 | VSTD010 | 00010 | EE1061 | 03/25/92 | 1423 |
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5A

# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: PACIFIC ANALYTICAL  Contract:

Lab Code: PACIF  Case No.:  SAS No.:  SDG No.:

Lab File ID: BFB2011  BFB Injection Date: 03/31/92

Instrument ID: VG#2  BFB Injection Time: 0505

GC Column: 1%SP1000  ID: 2 (mm)  Heated Purge: (Y/N) N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 25.0 |
| 75 | 30.0 - 66.0% of mass 95 | 49.6 |
| 95 | Base peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 7.0 |
| 173 | Less than 2.0% of mass 174 | 0.4 ( 0.5)1 |
| 174 | 50.0 - 120.0% of mass 95 | 80.6 |
| 175 | 4.0 - 9.0% of mass 174 | 5.4 ( 6.7)1 |
| 176 | 93.0 - 101.0% of mass 174 | 79.0 ( 98.0)1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.1 ( 6.4)2 |

1-Value is % mass 174  2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATA ANALYZED | TIME ANALYZED |
|---|---|---|---|---|---|
| 01 | VSTD050 | 00050 | FF1011 | 03/31/92 | 0653 |
| 02 | VBLK01 | 00000 | FF1031 | 03/31/92 | 0906 |
| 03 | INFLUENT | 13301 | FF1041 | 03/31/92 | 1010 |
| 04 | BETWEEN | 13302 | FF1051 | 03/31/92 | 1059 |
| 05 | ~~EFFLUENT~~ | ~~13303~~ | ~~FF1061~~ | ~~03/31/92~~ | ~~1147~~ |
| 06 | INFLUENT-MS | 13301 | FF1071 | 03/31/92 | 1240 |
| 07 | INFLUENT-MSD | 13301 | FF1081 | 03/31/92 | 1331 |
| 08 | ~~BETWEEN 1/10~~ | ~~13302~~ | ~~FF1091~~ | ~~03/31/92~~ | ~~1422~~ |
| 09 | ~~EFFLUENT 1/1~~ | ~~13303~~ | ~~FF1101~~ | ~~03/31/92~~ | ~~1514~~ |
| 10 | EFFLUENT | 13303 | FF1111 | 03/31/92 | 1605 |
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8A

# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: PACIFIC ANALYTICAL  Contract:

Lab Code: PACIF  Case No.:  SAS No.:  SDG No.:

Lab File ID (Standard): FF1011  Date Analyzed: 03/31/92

Instrument ID: VG#2  Time Analyzed: 0653

GC Column. 1%SP1000 ID: 2 (mm)  Heated Purge: (Y/N)N

| | | IS1(BCM) AREA # | RT # | IS2(DFB) AREA # | RT # | IS3(CBZ) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 9985000 | 11.18 | 70862810 | 21.87 | 63664201 | 27.27 |
| | UPPER LIMIT | 19970000 | 11.68 | 141725619 | 22.37 | 127328402 | 27.77 |
| | LOWER LIMIT | 4992500 | 10.68 | 35431405 | 21.37 | 31832100 | 26.77 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | VBLK01 | 10518000 | 11.22 | 75043490 | 21.87 | 68169274 | 27.30 |
| 02 | INFLUENT | 10356000 | 11.15 | 72427914 | 21.83 | 66679501 | 27.28 |
| 03 | BETWEEN | 10177000 | 11.15 | 69356546 | 21.83 | 66103893 | 27.27 |
| 04 | ~~EFFLUENT~~ | ~~2868000*~~ | ~~11.15~~ | ~~17665000*~~ | ~~21.85~~ | ~~16584000*~~ | ~~27.28~~ |
| 05 | INFLUENT-MS | 10773000 | 11.15 | 72332457 | 21.85 | 66968085 | 27.23 |
| 06 | INFLUENT-MSD | 10532000 | 11.13 | 76016890 | 21.87 | 65555349 | 27.27 |
| 07 | ~~BETWEEN 1/10~~ | ~~10454000~~ | ~~11.13~~ | ~~73088010~~ | ~~21.83~~ | ~~67442226~~ | ~~27.27~~ |
| 08 | ~~EFFLUENT 1/1~~ | ~~7772000~~ | ~~11.15~~ | ~~68718794~~ | ~~21.83~~ | ~~62933717~~ | ~~27.27~~ |
| 09 | EFFLUENT | 11170000 | 11.18 | 78979122 | 21.87 | 70901194 | 27.25 |
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

4A

# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: PACIFIC ANALYTICAL  Contract:

Lab Code: PACIF  Case No.:  SAS No.:  SDG No.:

Lab File ID: FF1031  Lab Sample ID: 00000

Date Analyzed: 03/31/92  Time Analyzed: 0906

GC Column: 1%SP1000 ID: 2 (mm)  Heated Purge: (Y/N) N

Instrument ID: VG#2

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

| | EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | INFLUENT | 13301 | FF1041 | 1010 |
| 02 | BETWEEN | 13302 | FF1051 | 1059 |
| 03 | ~~EFFLUENT~~ | ~~13303~~ | ~~FF1061~~ | ~~1149~~ |
| 04 | INFLUENT-MS | 13301 | FF1071 | 1240 |
| 05 | INFLUENT-MSD | 13301 | FF1081 | 1331 |
| 06 | ~~BETWEEN 1/10~~ | ~~13302~~ | ~~FF1091~~ | ~~1422~~ |
| 07 | ~~EFFLUENT-1/1~~ | ~~13303~~ | ~~FF1101~~ | ~~1514~~ |
| 08 | EFFLUENT | 13303 | FF1111 | 1605 |
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COMMENTS:

3B

# WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.: SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: INFLUENT Level: (low/med) LOW

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC # | QC LIMITS REC. |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50 | 0 | 42 | 83 | 61-145 |
| Trichloroethene | 50 | 78 | 128 | 100 | 71-120 |
| Benzene | 50 | 0 | 49 | 98 | 76-127 |
| Toluene | 50 | 0 | 49 | 99 | 76-125 |
| Chlorobenzene | 50 | 0 | 46 | 93 | 75-130 |

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50 | 42 | 85 | 2 | 14 | 61-145 |
| Trichloroethene | 50 | 123 | 90 | 4 | 14 | 71-120 |
| Benzene | 50 | 47 | 93 | 5 | 11 | 76-127 |
| Toluene | 50 | 49 | 97 | 2 | 13 | 76-125 |
| Chlorobenzene | 50 | 46 | 93 | 0 | 13 | 75-130 |

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

*Values outside of limits

RPD: 0 out of 5 outside of limits
Spike Recovery: 0 out of 10 outside of limits

Comments: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 13301

Sample wt/vol: 5.0(g/mL) ML Lab File ID: FF1041

Level: (low/med) LOW Date Received: 03/10/92

% Moisture: not dec. 0 Date Analyzed: 03/31/92

GC Column: 1%SP1000 ID: 2 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 6 | J |
| 67-64-1 | Acetone | 12 | |
| 75-15-0 | Carbon Disulfide | 6 | J |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-35-3 | 1,1-Dichloroethane | 10 | U |
| 156-60-5 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 78 | |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 591-78-6 | 4-Methyl-2-Pentanone | 10 | U |
| 108-10-1 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 33 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylene (total) | 10 | U |

1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

INFLUENT

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 13301

Sample wt/vol: 5.0(g/mL) ML Lab File ID: FF1041

Level: (low/med) LOW Date Received: 03/10/92

% Moisture: not dec. 0 Date Analyzed: 03/31/92

GC Column: 1%SP1000 ID: 2(mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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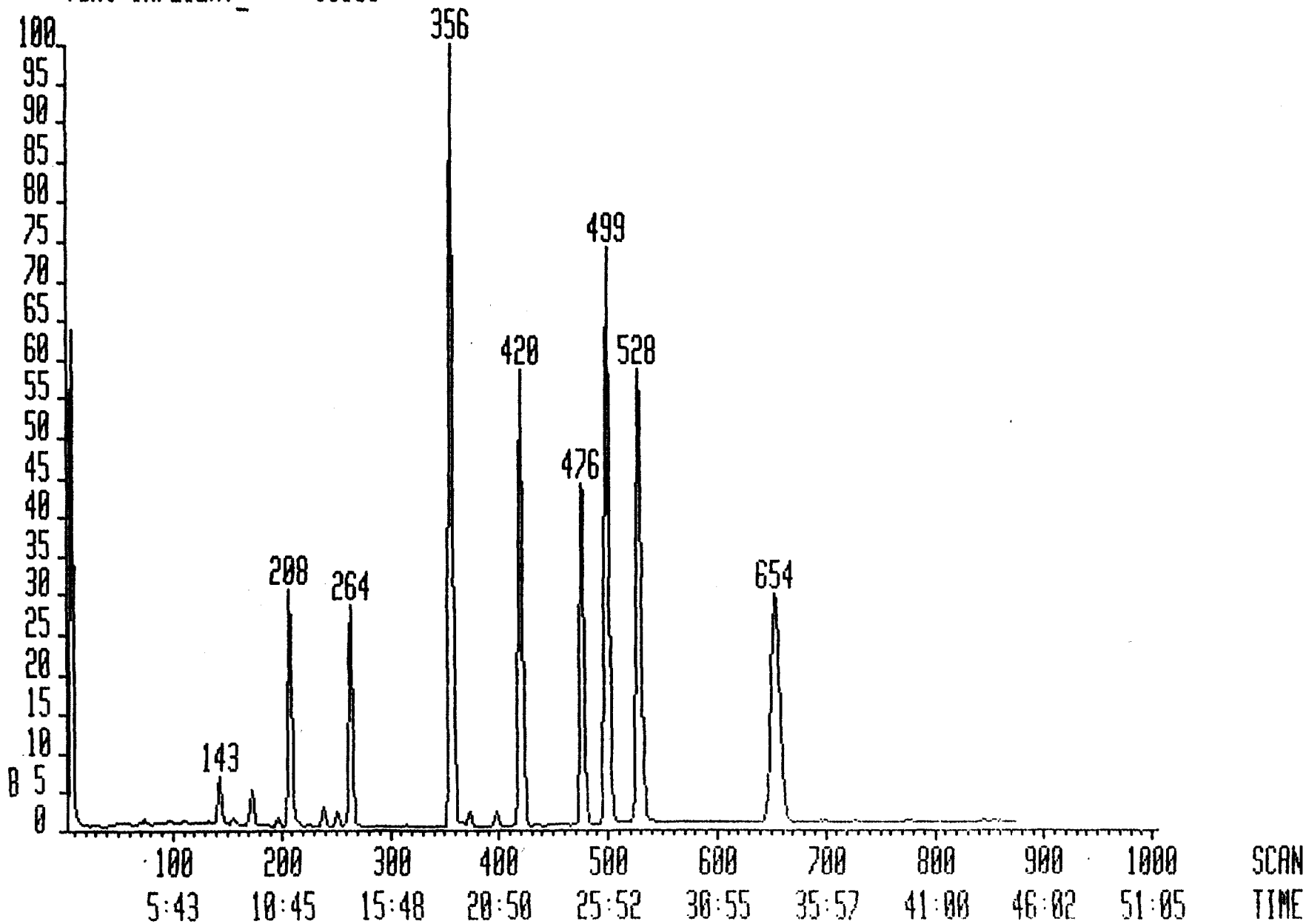
FF1041 #5-873 31-MAR-92 10:10 VG#2 (EI+) Sys:VOA91 IHP

Chromatogram Identifiers : B1:35:260 B: 72101000

Text:INFLUENT_ 13301



Interim Report Sample Analysis 01-APR-92 04:33:50

Datafile: FF1041 31-MAR-92 10:10
Database: VOA91C
Library: VOA91

Instrument: VG#2
Account:
Text: INFLUENT_ 13301

QRF 4/1/92 KD

| No. | Rank | Spectrum Match | Fit | Scan Diff | Peak Area | Flgs | Scan Found | Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 | 92 | 99 | 0 | 10356000 | bv | 208 | 208 | 128 | Bromochloromethane |
| 2 | 99 | 87 | 99 | 0 | 21640000 | bv* | 264 | 264 | 65 | 1,2-Dichloroethane-d4 |
| 3 | 55 | 6 | 99 | 1 | 66000 | bb | 33 | 32 | 50 | Chloromethane |
| | 31 | 0 | 74 | 16 | 3000 | bb | 48 | | | |
| 4 | 42 | 3 | 75 | 0 | 32065 | vb | 63 | 63 | 94 | Bromomethane |
| | 40 | 3 | 81 | 9 | 7048 | ?? | 72 | | | |
| | 37 | 2 | 78 | 11 | 20548 | vb | 74 | | | |
| 5 | 50 | 1 | 94 | 1 | 25000 | bb | 81 | 80 | 62 | Vinyl Chloride |
| | 41 | 0 | 77 | -1 | 8000 | b? | 79 | | | |
| | 37 | 0 | 77 | 7 | 5000 | bb | 87 | | | |
| 6 | 42 | 2 | 79 | -2 | 10000 | bb | 99 | 101 | 64 | Chloroethane |
| | 42 | 2 | 90 | -11 | 9000 | bb | 90 | | | |
| | 40 | 1 | 84 | 9 | 8000 | b? | 110 | | | |
| 7 | 92 | 77 | 97 | -1 | 3154000 | bv | 143 | 144 | 84 | Methylene Chloride |
| 8 | 67 | 30 | 99 | -2 | 1021309 | vv* | 156 | 158 | 43 | Acetone |
| | 52 | 9 | 99 | 8 | 77000 | ?? | 166 | | | |
| 9 | 98 | 86 | 99 | 1 | 11127380 | bv | 173 | 172 | 76 | Carbon Disulfide |
| 10 | 86 | 62 | 99 | 0 | 499000 | bv* | 197 | 197 | 96 | 1,1-Dichloroethene |
| 11 | 69 | 30 | 99 | 0 | 326000 | bb | 224 | 224 | 63 | 1,1-Dichloroethane |
| | 42 | 0 | 99 | -16 | 156000 | bb | 208 | | | |
| 12 | 93 | 78 | 99 | 1 | 1644000 | bb* | 239 | 238 | 96 | 1,2-Dichloroethene (to |
| 13 | 48 | 6 | 84 | 0 | 41000 | bb | 224 | ~~224~~ 250 | 83 | Chloroform |
| | 37 | 10 | 68 | -9 | 32000 | bb | 215 | | | |
| 14 | 53 | 36 | 64 | 1 | 499000 | bb | 267 | 266 | 62 | 1,2-Dichloroethane |
| | 29 | 7 | 55 | 10 | 14000 | bb | 276 | | | |
| | 27 | 8 | 48 | 8 | 14000 | bb | 274 | | | |
| 15 | 52 | 0 | 99 | -1 | 182219 | vv* | 262 | 263 | 43 | 2-Butanone |
| | 52 | 8 | 98 | -7 | 36844 | vv | 256 | | | |
| | 41 | 2 | 84 | 8 | 10531 | ?? | 271 | | | |
| 16 | 86 | 61 | 99 | 0 | 72427910 | bv | 420 | 420 | 114 | 1,4-Difluorobenzene |
| 17 | 62 | 23 | 95 | -1 | 65000 | bb | 292 | 293 | 97 | 1,1,1-Trichloroethane |
| 18 | 62 | 22 | 96 | 1 | 49000 | bb | 301 | 300 | 117 | Carbon Tetrachloride |
| | 33 | 3 | 66 | -8 | 8000 | bb | 292 | | | |
| 19 | ---------- No Trace Found ---------- | | | | | | | 290 | 1 | |
| 20 | 49 | 7 | 85 | -1 | 26000 | bb | 312 | 313 | 83 | Bromodichloromethane |
| 21 | 45 | 11 | 73 | 0 | 17000 | bb | 340 | 340 | 63 | 1,2-Dichloropropane |
| | 25 | 4 | 45 | -4 | 3000 | bb | 336 | | | |
| | 24 | 4 | 50 | -12 | 10000 | bb | 328 | | | |
| 22 | 45 | 9 | 76 | 0 | 35000 | vb | 345 | 345 | 75 | cis-1,3-Dichloropropen |
| | 37 | 6 | 65 | 2 | 35000 | ?b | 347 | | | |
| | 27 | 2 | 51 | -4 | 7000 | b? | 341 | | | |
| 23 | 96 | 81 | 99 | 0 | 50850000 | bv* | 356 | 356 | 130 | Trichloroethene |
| 24 | 49 | 4 | 88 | 0 | 27000 | bb | 371 | 371 | 129 | Dibromochloromethane |
| 25 | 86 | 65 | 98 | -1 | 1029000 | vv* | 373 | 374 | 97 | 1,1,2-Trichloroethane |
| 26 | 72 | 40 | 96 | 1 | 414000 | bb | 367 | 366 | 78 | Benzene |
| 27 | 35 | 1 | 66 | -1 | 3000 | b? | 371 | 372 | 75 | trans-1,3-dichloroprop |
| | 28 | 4 | 53 | -6 | 3000 | bb | 366 | | | |
| | 22 | 0 | 42 | 1 | 13000 | bb | 373 | | | |
| 28 | ---------- No Trace Found ---------- | | | | | | | 372 | 1 | |
| 29 | 15 | 1 | 27 | 0 | 7000 | bb | 428 | 428 | 173 | Bromoform |

FF1041

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 15 | 1 | 27 | 0 | 7000 | bb | 427 | 427 | 173 | Bromoform |
| | 12 | 0 | 27 | -15 | 4000 | bb | 414 | | | |
| 30 | 92 | 76 | 98 | 1 | 66679500 | bv | 528 | 527 | 117 | Chlorobenzene-d5 |
| 31 | 87 | 66 | 99 | -1 | 38935240 | bv | 654 | 655 | 95 | 4-Bromofluorobenzene |
| 32 | 82 | 61 | 95 | -1 | 77760000 | bv | 499 | 500 | 98 | Toluene-d8 |
| 33 | 62 | 22 | 96 | -1 | 75000 | vb | 437 | 438 | 43 | 4-Methyl-2-Pentanone |
| | 44 | 12 | 82 | 10 | 0 | ?? | 448 | | | |
| | 44 | 10 | 81 | -8 | 0 | ?? | 430 | | | |
| 34 | 63 | 25 | 92 | 0 | 31189 | v? | 470 | 470 | 43 | 2-Hexanone |
| | 50 | 15 | 88 | -7 | 4045 | ?? | 463 | | | |
| | 47 | 14 | 85 | -9 | 4045 | ?? | 461 | | | |
| 35 | 97 | 85 | 99 | -1 | 17967000 | bb | 476 | 477 | 164 | Tetrachloroethene |
| 36 | 41 | 0 | 80 | -3 | 462000 | bb | 477 | 480 | 83 | 1,1,2,2-Tetrachloroeth |
| | 39 | 1 | 83 | -10 | 3000 | bb | 470 | | | |
| | 38 | 1 | 84 | -12 | 3000 | bb | 468 | | | |
| 37 | 70 | 32 | 99 | 0 | 1626000 | vb | 504 | 504 | 91 | Toluene |
| 38 | 35 | 2 | 63 | 0 | 96000 | bb | 532 | 532 | 112 | Chlorobenzene |
| | 18 | 0 | 38 | 7 | 4000 | bb | 539 | | | |
| | 18 | 0 | 40 | 12 | 4000 | bb | 544 | | | |
| 39 | 59 | 14 | 96 | 0 | 80000 | bb | 583 | 583 | 106 | Ethylbenzene |
| 40 | 45 | 6 | 78 | 0 | 80000 | bb | 692 | 692 | 104 | Styrene |
| | 45 | 7 | 79 | 2 | 44000 | ?b | 694 | | | |
| 41 | 58 | 14 | 95 | 0 | 139000 | bb | 700 | 700 | 106 | m-Xylene |
| 42 | 59 | 15 | 96 | -1 | 178000 | bb* | 728 | 729 | 106 | o-/p-Xylene |
| 43 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

Interim Report Sample Analysis 03-APR-92 12:29:04

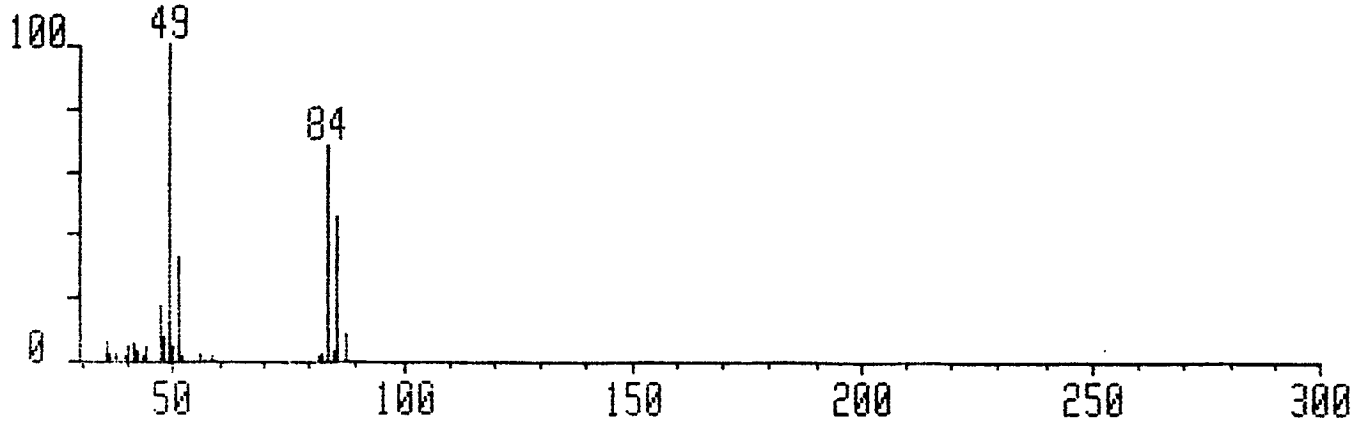
Datafile: FF1041 31-MAR-92 10:10
Database: CHCL3
Library: CHCL3

Instrument: VG#2
Account:
Text: INFLUENT_ 13301

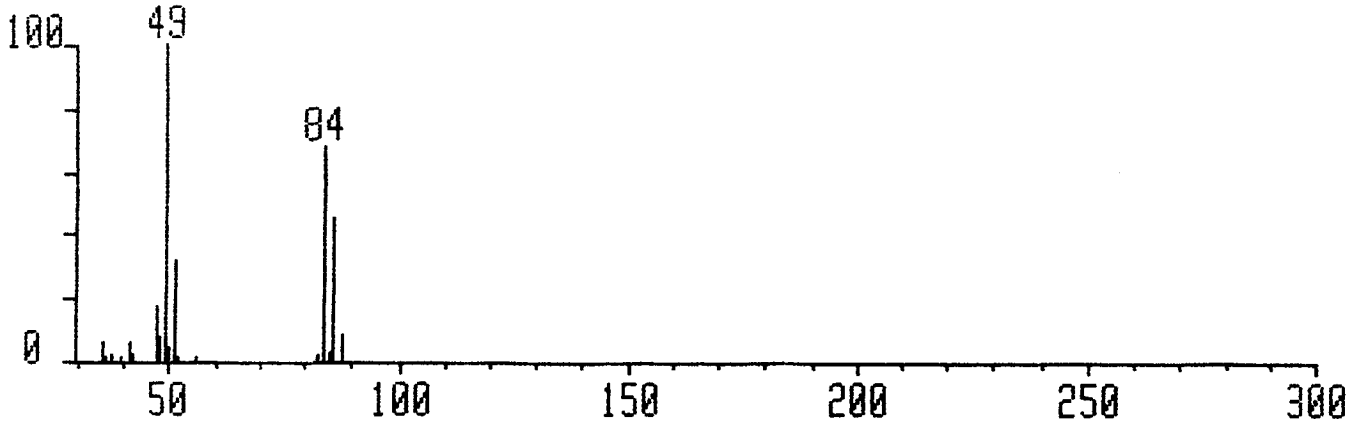
| No. | Rank | Spectrum Match | Scan Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 91 | 75 | 99 | -2 | 10356000 | bv | 208 | 210 | 128 | Bromochloromethane |
| ~~2~~ | ~~69~~ | 30 | 99 | -1 | 326000 | bb | 224 | 225 | 63 | 1,1-Dichloroethane |
| ~~3~~ | ~~92~~ | 76 | 99 | 1 | 1941000 | bb | 251 | 250 | 83 | Chloroform |
| 4 | ---------- | | No Trace | | Found | ---~~too low~~-- | | 0 | - | |

QDK 4/8/92

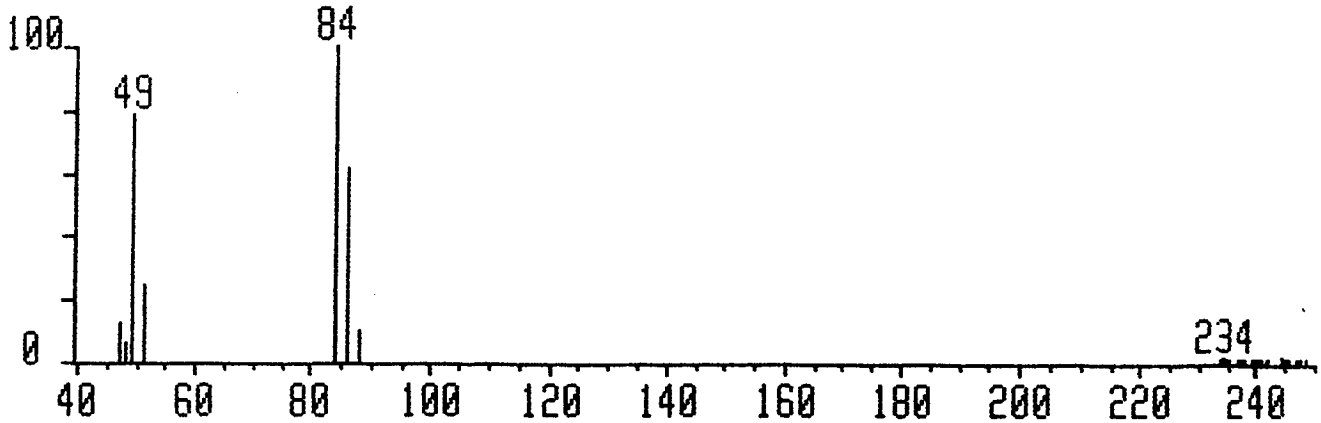
FF1041#143 x1 Bgd=3 31-MAR-92 10:10+0:07:52 EI+
I=216mv TIC=4912000 Acnt:
Text:INFLUENT_13301_Methylene Chloride



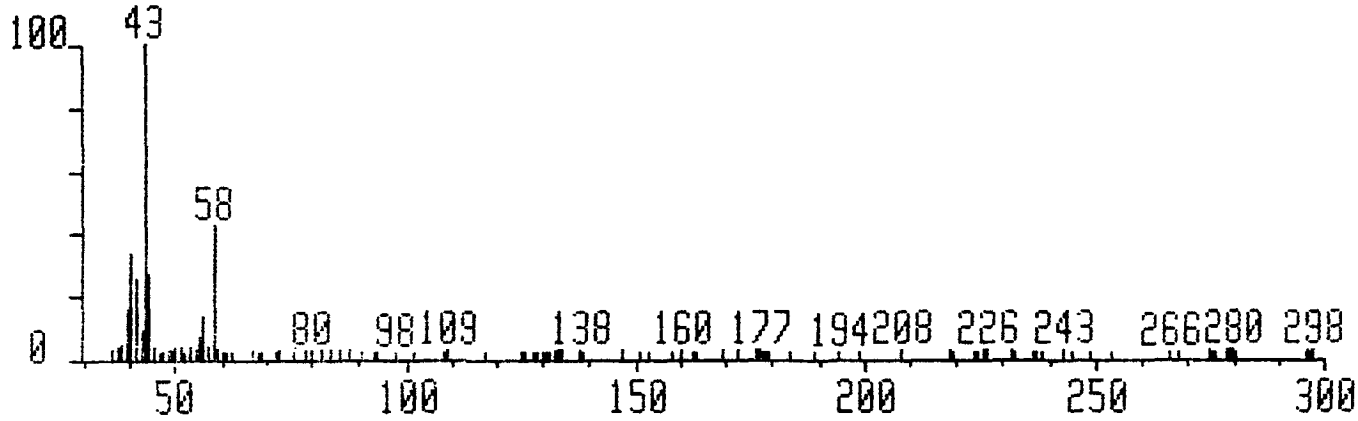

FF1041S#143 x1 Bgd=138 31-MAR-92 10:10+0:07:52 EI+
I=215mv TIC=4540000 SU Acnt:
Text:INFLUENT_13301_Methylene Chloride



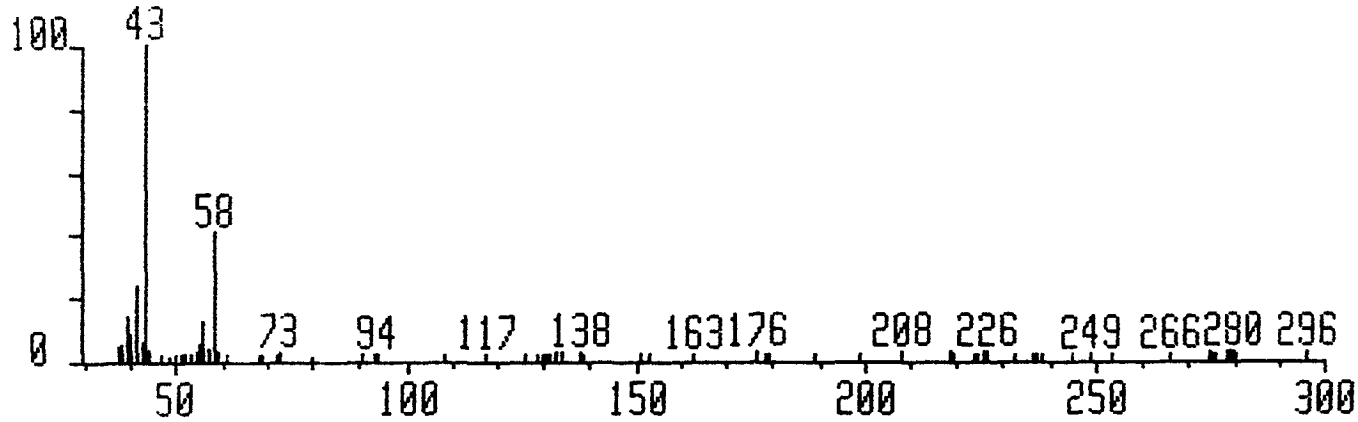

V8240#7 x1 Bgd=1 1-DEC-89 13:03+0:00:23 EI+
I=234mv TIC=10910000 Acnt:VG#2
Text:Methylene Chloride



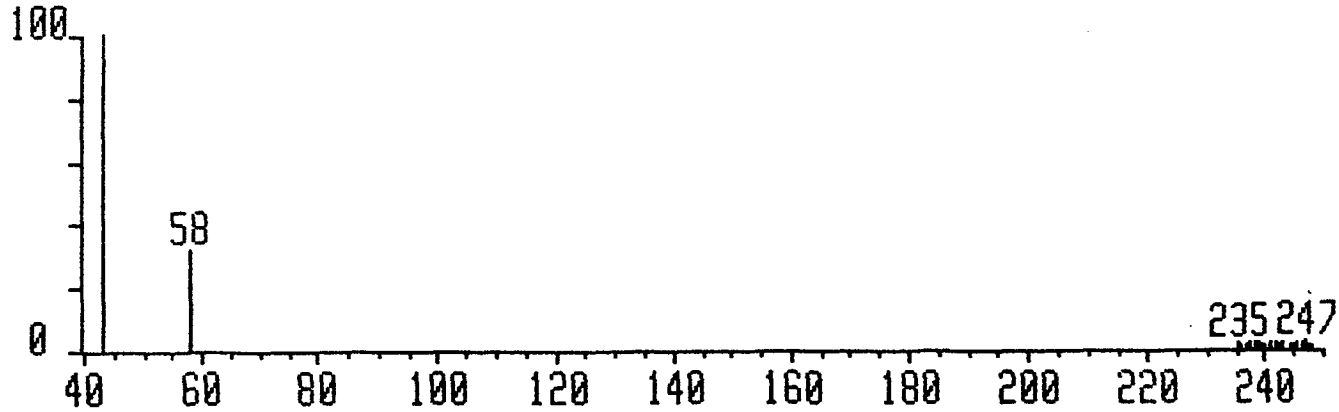
FF1041#156 x1 Bgd=3 31-MAR-92 10:10+0:08:32 EI+
I=34mv TIC=1061000 Acnt:
Text:INFLUENT_13301_Acetone



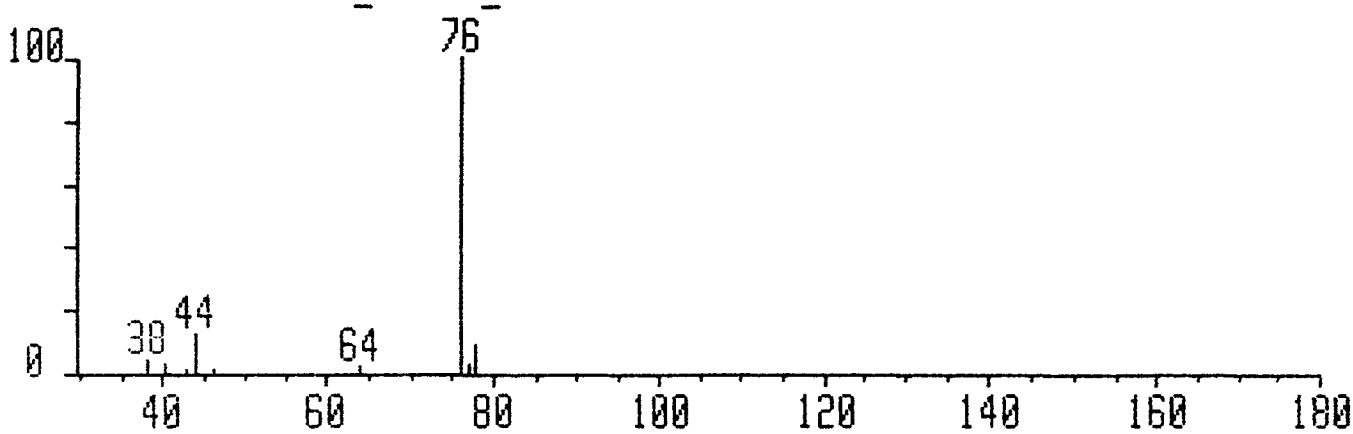

FF1041S#156 x1 Bgd=150 31-MAR-92 10:10+0:08:32 EI+
I=33mv TIC=732000 SU Acnt:
Text:INFLUENT_13301_Acetone



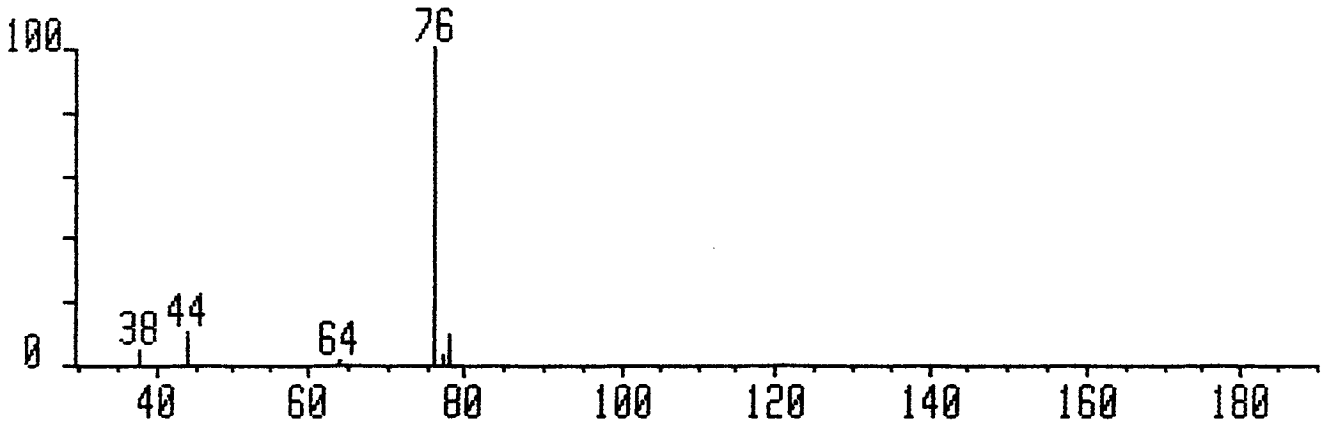

V8240#8 x1 Bgd=1 1-DEC-89 13:03+0:00:26 EI+
I=226mv TIC=11124000 Acnt:VG#2
Text:Acetone



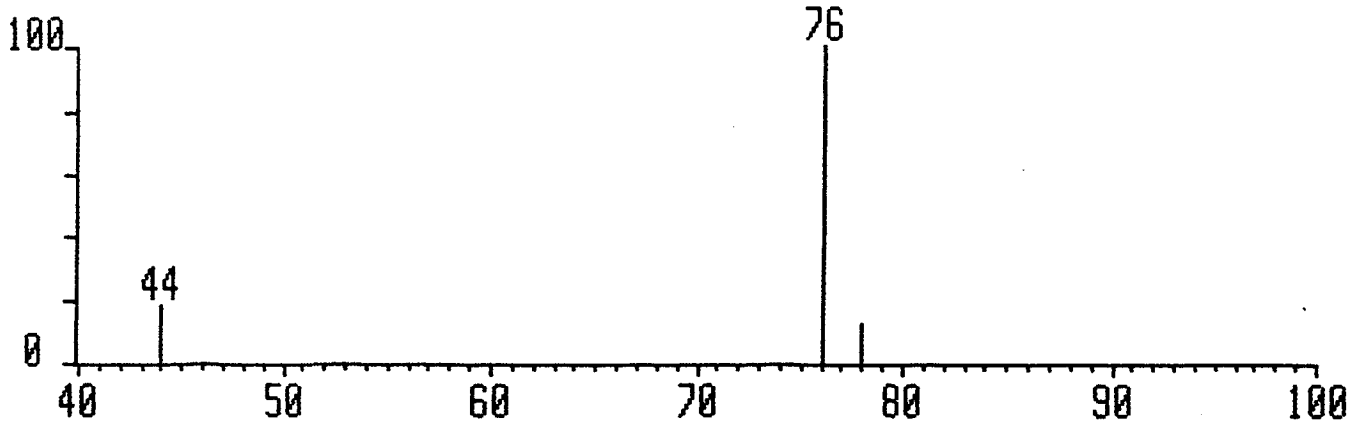
FF1041#173 x1 Bgd=3 31-MAR-92 10:10+0:09:23 EI+
I=408mv TIC=3731000 Acnt:
Text:INFLUENT_13301_Carbon Disulfide



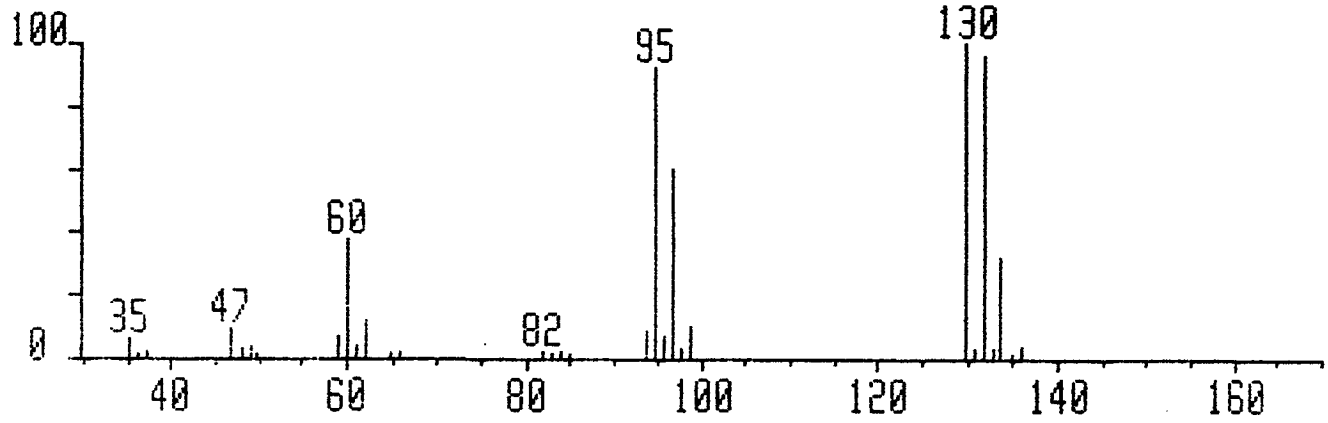

FF1041S#173 x1 Bgd=166 31-MAR-92 10:10+0:09:23 EI+
I=408mv TIC=3500000 SU Acnt:
Text:INFLUENT_13301_Carbon Disulfide



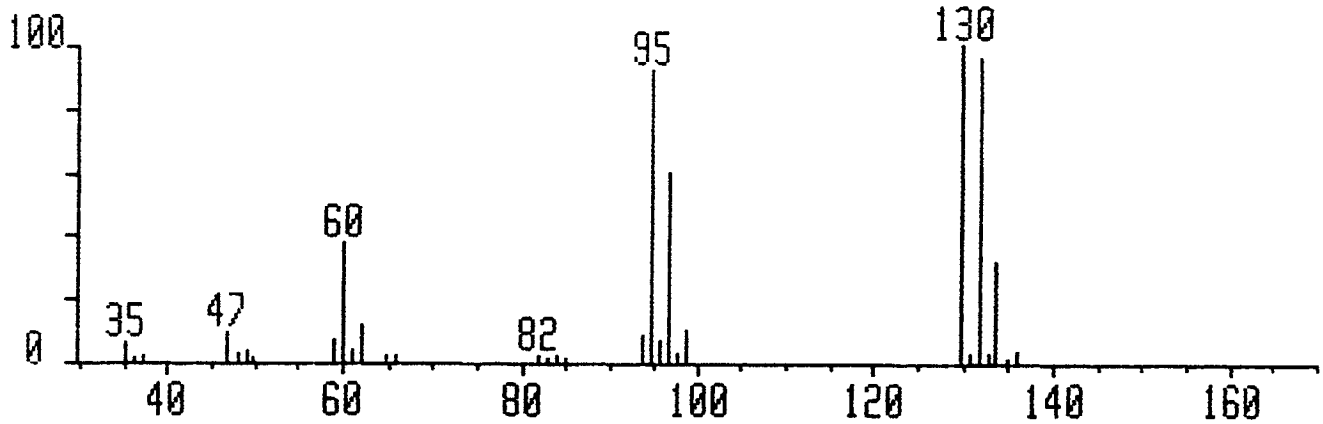

V8240#9 x1 Bgd=1 1-DEC-89 13:03+0:00:29 EI+
I=233mv TIC=11034000 Acnt:VG#2
Text:Carbon Disulfide



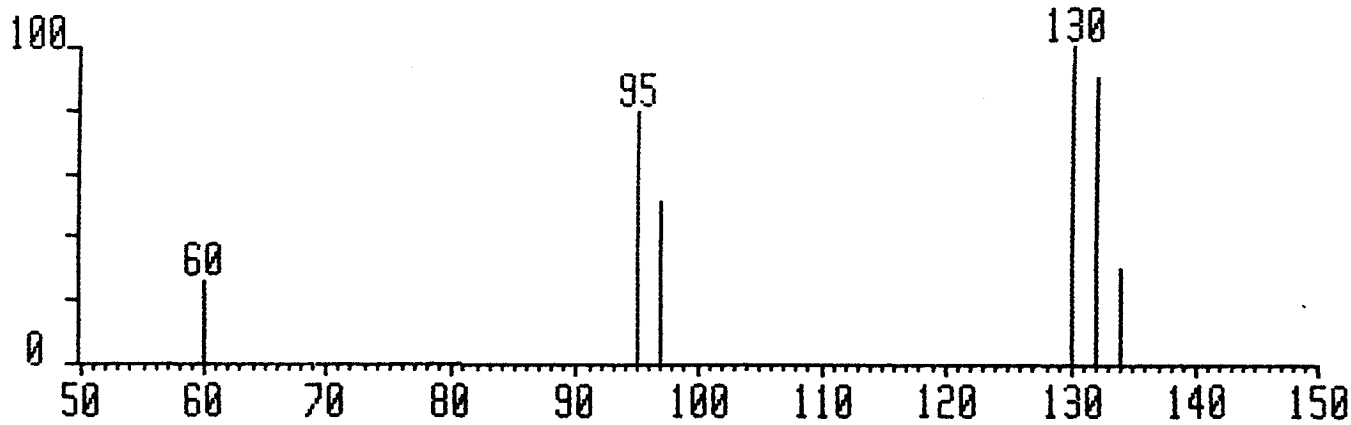
FF1041#356 x1 Bgd=349 31-MAR-92 10:10+0:18:36 EI+
I=2.2v TIC=72101000 Acnt:
Text:INFLUENT_13301_Trichloroethene



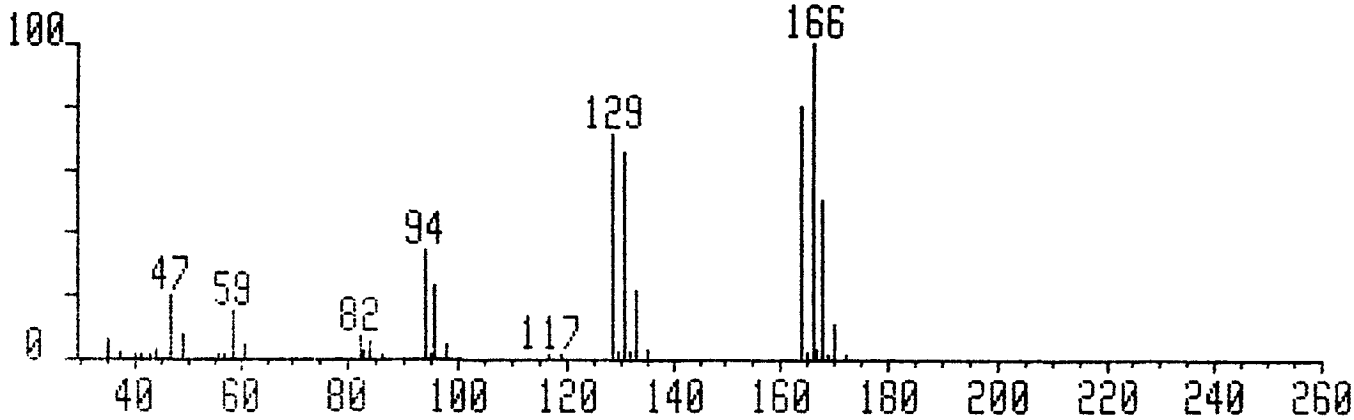

FF1041S#356 x1 Bgd=350 31-MAR-92 10:10+0:18:36 EI+
I=2.2v TIC=71978000 SU Acnt:
Text:INFLUENT_13301_Trichloroethene



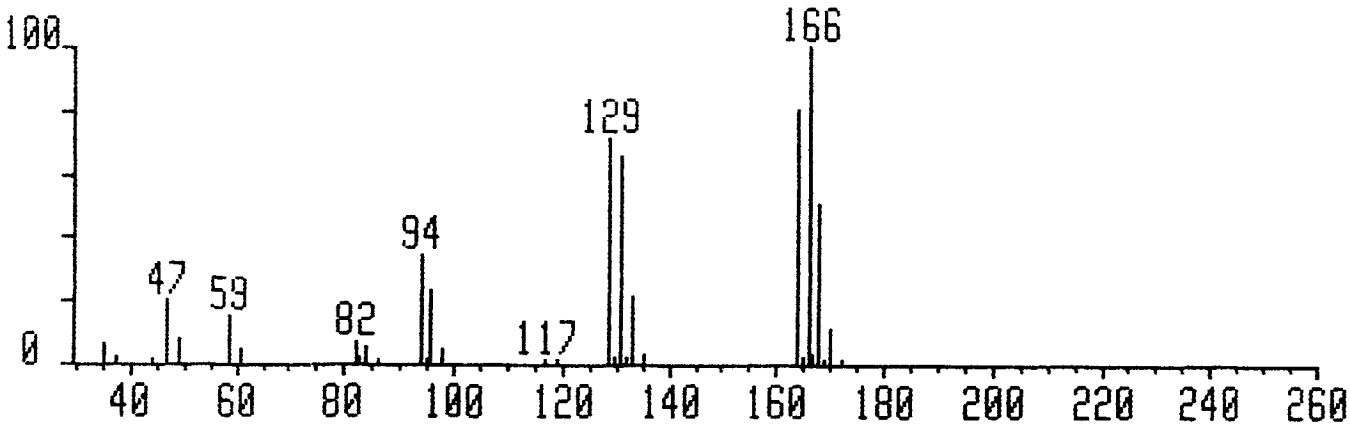

V8240#23 x1 Bgd=1 1-DEC-89 13:03+0:01:11 EI+
I=251mv TIC=11543000 Acnt:VG#2
Text:Trichloroethene



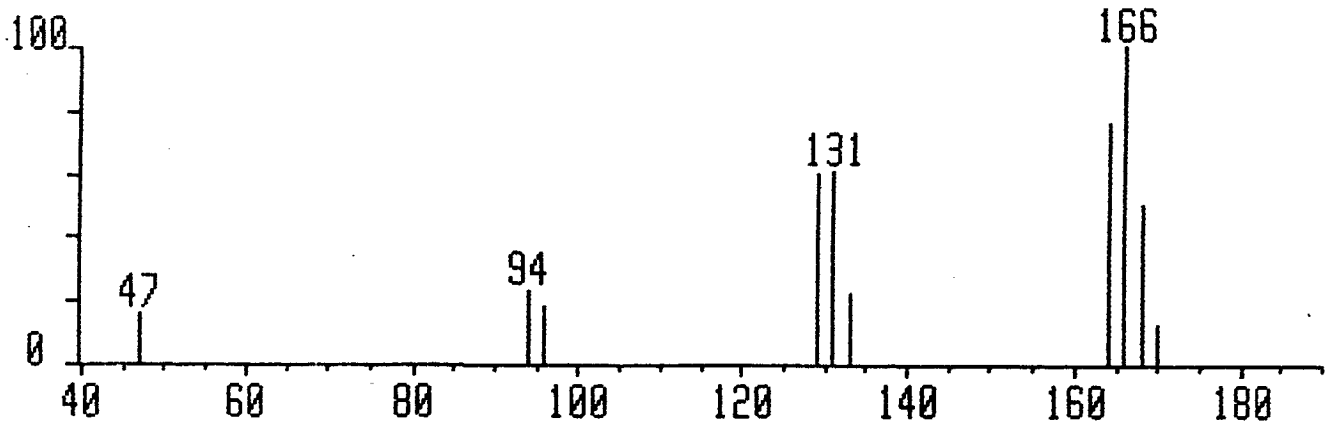
FF1041#476 x1 Bgd=465 31-MAR-92 10:10+0:24:39 EI+
I=879mv TIC=31648000 Acnt:
Text:INFLUENT_13301_Tetrachloroethene




FF1041S#476 x1 Bgd=470 31-MAR-92 10:10+0:24:39 EI+
I=879mv TIC=31338000 SU Acnt:
Text:INFLUENT_13301_Tetrachloroethene




V8240#35 x1 Bgd=1 1-DEC-89 13:03+0:01:47 EI+
I=248mv TIC=11347000 Acnt:VG#2
Text:Tetrachloroethene



ATT Results FF1041 TIC 12507

| Internal Standard | Scan | Area | Conc |
|---|---|---|---|
| Bromochloromethane | 208 | 4660 | 50 |
| 1,4-Difluorobenzene | 420 | 10140 | 50 |
| Chlorobenzene-d5 | 528 | 12669 | 50 |

| TIC Scan | BKG Scan | IS Scan | Area | Conc |
|---|---|---|---|---|
| 8 | | 208 | 7044 | 76 |
| 72 | | 208 | 616 | 7 |

BRE
4/1/92
KD

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BETWEEN

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 13302

Sample wt/vol: 5.0(g/mL) ML Lab File ID: FF1051

Level: (low/med) LOW Date Received: 03/10/92

% Moisture: not dec. 0 Date Analyzed: 03/31/92

GC Column: 1%SP1000 ID: 2 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg)ug/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 8 | J |
| 67-64-1 | Acetone | 9 | J |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-35-3 | 1,1-Dichloroethane | 10 | U |
| 156-60-5 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 591-78-6 | 4-Methyl-2-Pentanone | 10 | U |
| 108-10-1 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylene (total) | 10 | U |

1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BETWEEN

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 13302

Sample wt/vol: 5.0(g/mL) ML Lab File ID: FF1051

Level: (low/med) LOW Date Received: 03/10/92

% Moisture: not dec. 0 Date Analyzed: 03/31/92

GC Column: 1%SP1000 ID: 2(mm) Dilution Factor: 1.0

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

Number TICs found: 0

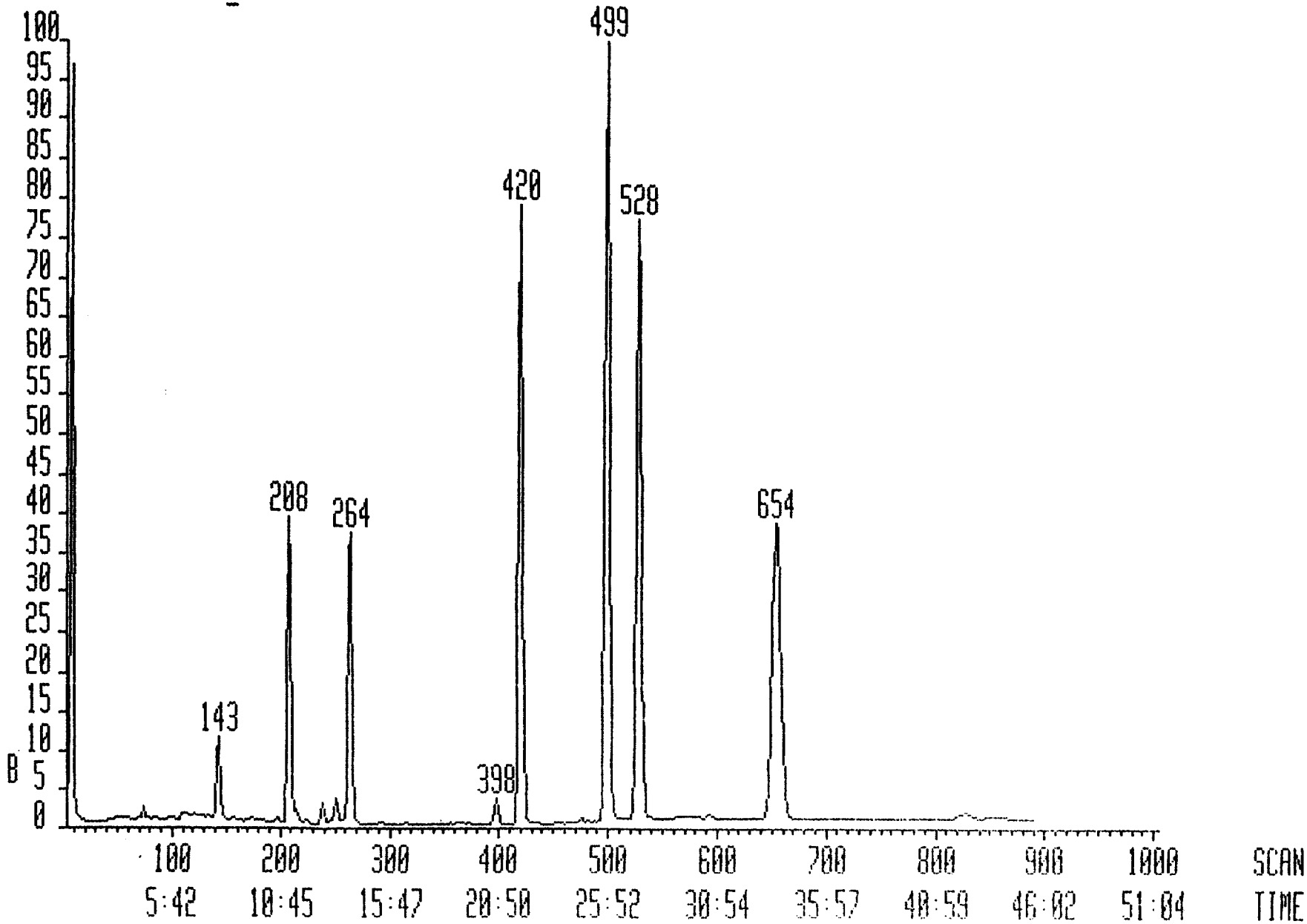
CONCENTRATION UNITS:
(ug/L or ug/Kg)ug/L

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |
| 7. | | | | | |
| 8. | | | | | |
| 9. | | | | | |
| 10. | | | | | |
| 11. | | | | | |
| 12. | | | | | |
| 13. | | | | | |
| 14. | | | | | |
| 15. | | | | | |
| 16. | | | | | |
| 17. | | | | | |
| 18. | | | | | |
| 19. | | | | | |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |
| 24. | | | | | |
| 25. | | | | | |
| 26. | | | | | |
| 27. | | | | | |
| 28. | | | | | |
| 29. | | | | | |
| 30. | | | | | |

FF1051 #5-890 31-MAR-92 10:59 VG#2 (EI+) Sys:VOA91 IHP

Chromatogram Identifiers : B1:35:260 B: 54298000

Text:BETWEEN_ 13302



Interim Report Sample Analysis 01-APR-92 04:38:49

Datafile: FF1051 31-MAR-92 10:59
Database: VOA91C
Library: VOA91

Instrument: VG#2
Account:
Text: BETWEEN_ 13302

Quk 4/1/92

| No. | Rank | Spectrum Match | Spectrum Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 | 92 | 99 | 0 | 10177000 | bb* | 208 | 208 | 128 | Bromochloromethane |
| 2 | 99 | 86 | 99 | 0 | 22396000 | bb* | 264 | 264 | 65 | 1,2-Dichloroethane-d4 |
| 3 | 52 | 2 | 95 | 0 | 32000 | bb* | 32 | 32 | 50 | Chloromethane |
| | 31 | 0 | 74 | 17 | 3000 | bb | 49 | | | |
| 4 | 38 | 3 | 78 | 9 | 128 | ?? | 72 | 63 | 94 | Bromomethane |
| | 37 | 2 | 68 | 0 | 8516 | ?? | 63 | | | |
| | 37 | 2 | 70 | -3 | 8516 | ?? | 60 | | | |
| 5 | 53 | 1 | 99 | 1 | 21000 | vb | 81 | 80 | 62 | Vinyl Chloride |
| | 47 | 0 | 91 | -3 | 3000 | b? | 77 | | | |
| | 46 | 1 | 91 | 5 | 3000 | bb | 85 | | | |
| 6 | 44 | 2 | 86 | -5 | 3000 | bb | 96 | 101 | 64 | Chloroethane |
| | 44 | 2 | 82 | -2 | 6000 | bb | 99 | | | |
| | 42 | 2 | 85 | -7 | 3000 | bb | 94 | | | |
| 7 | 93 | 79 | 97 | -1 | 4300000 | vv | 143 | 144 | 84 | Methylene Chloride |
| 8 | 68 | 32 | 99 | -2 | 768000 | vv* | 156 | 158 | 43 | Acetone |
| | 51 | 7 | 99 | 8 | 95000 | ?? | 166 | | | |
| | 49 | 4 | 98 | -8 | 54000 | ?? | 150 | | | |
| 9 | 75 | 46 | 97 | 1 | 911000 | bv | 173 | 172 | 76 | Carbon Disulfide |
| 10 | 78 | 47 | 99 | 0 | 251000 | bb | 197 | 197 | 96 | 1,1-Dichloroethene |
| 11 | 71 | 33 | 99 | 0 | 383000 | bb | 224 | 224 | 63 | 1,1-Dichloroethane |
| | 43 | 0 | 99 | -15 | 163000 | bv | 209 | | | |
| 12 | 94 | 76 | 99 | 0 | 1258000 | bb | 238 | 238 | 96 | 1,2-Dichloroethene (to |
| 13 | 52 | 7 | 91 | 0 | 46000 | bb | 224 | ~~224~~ 250 | 83 | Chloroform |
| | 40 | 12 | 72 | -9 | 58000 | bb | 215 | | | |
| 14 | 42 | 27 | 52 | 1 | 239000 | bb | 267 | 266 | 62 | 1,2-Dichloroethane |
| | 31 | 3 | 66 | -12 | 4000 | bb | 254 | | | |
| | 25 | 6 | 46 | 9 | 14000 | bb | 275 | | | |
| 15 | 52 | 0 | 99 | -1 | 172385 | vv* | 262 | 263 | 43 | 2-Butanone |
| | 48 | 4 | 96 | -8 | 47462 | b? | 255 | | | |
| | 44 | 1 | 94 | -10 | 7500 | ?b | 253 | | | |
| 16 | 84 | 59 | 99 | 0 | 69356540 | bv* | 420 | 420 | 114 | 1,4-Difluorobenzene |
| 17 | 79 | 51 | 99 | -1 | 253000 | bb | 292 | 293 | 97 | 1,1,1-Trichloroethane |
| 18 | 46 | 7 | 87 | -7 | 37000 | bb | 293 | 300 | 117 | Carbon Tetrachloride |
| | 39 | 8 | 66 | 1 | 17000 | bb | 301 | | | |
| 19 | ---------- No Trace Found ---------- | | | | | | | 290 | 1 | |
| 20 | 23 | 0 | 43 | 0 | 3000 | bb | 313 | 313 | 83 | Bromodichloromethane |
| 21 | 21 | 3 | 37 | -3 | 3000 | bb | 337 | 340 | 63 | 1,2-Dichloropropane |
| 22 | 27 | 2 | 49 | 0 | 10000 | bb | 345 | 345 | 75 | cis-1,3-Dichloropropen |
| | 26 | 3 | 47 | 2 | 3000 | ?b | 347 | | | |
| 23 | 69 | 30 | 99 | 0 | 61000 | bb | 356 | 356 | 130 | Trichloroethene |
| 24 | ---------- No Trace Found ---------- | | | | | | | 371 | 129 | Dibromochloromethane |
| 25 | 68 | 33 | 95 | -1 | 91000 | bb | 373 | 374 | 97 | 1,1,2-Trichloroethane |
| 26 | 72 | 39 | 97 | 1 | 226000 | bb | 367 | 366 | 78 | Benzene |
| 27 | 32 | 5 | 60 | -6 | 3000 | bb | 366 | 372 | 75 | trans-1,3-dichloroprop |
| 28 | ---------- No Trace Found ---------- | | | | | | | 372 | 1 | |
| 29 | ---------- No Trace Found ---------- | | | | | | | 429 | 173 | Bromoform |
| 30 | 92 | 76 | 98 | 1 | 66103890 | bv | 528 | 527 | 117 | Chlorobenzene-d5 |
| 31 | 88 | 68 | 99 | -1 | 39997000 | bv | 654 | 655 | 95 | 4-Bromofluorobenzene |
| 32 | 82 | 61 | 94 | -1 | 77403860 | bv | 499 | 500 | 98 | Toluene-d8 |
| 33 | 55 | 15 | 88 | -1 | 17255 | ?? | 437 | 438 | 43 | 4-Methyl-2-Pentanone |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 55 | 19 | 87 | 1 | 17000 | ?? | 457 | 458 | 43 | 4-Methyl-2-Pentanone |
| | 51 | 16 | 83 | 3 | 0 | ?? | 441 | | | |
| | 50 | 18 | 83 | 6 | 10789 | ?? | 444 | | | |
| 34 | 61 | 25 | 90 | 1 | 6650 | ?? | 471 | 470 | 43 | 2-Hexanone |
| | 59 | 24 | 90 | -3 | 179 | ?? | 467 | | | |
| | 57 | 23 | 91 | -5 | 0 | ?? | 465 | | | |
| 35 | 54 | 8 | 95 | -1 | 27000 | bb | 476 | 477 | 164 | Tetrachloroethene |
| 36 | 45 | 3 | 82 | -1 | 16000 | bb | 479 | 480 | 83 | 1,1,2,2-Tetrachloroeth |
| | 44 | 3 | 80 | 1 | 16000 | bb | 481 | | | |
| | 44 | 2 | 83 | -3 | 13000 | bb | 477 | | | |
| 37 | 62 | 18 | 98 | 0 | 704000 | bb | 504 | 504 | 91 | Toluene |
| 38 | 32 | 1 | 59 | 1 | 40000 | bb | 533 | 532 | 112 | Chlorobenzene |
| 39 | 56 | 11 | 94 | 0 | 53000 | bb | 583 | 583 | 106 | Ethylbenzene |
| | 34 | 3 | 67 | -8 | 3000 | bb | 575 | | | |
| | 31 | 3 | 69 | -15 | 5000 | bb | 568 | | | |
| 40 | 37 | 3 | 68 | 1 | 7000 | bb | 693 | 692 | 104 | Styrene |
| | 35 | 3 | 66 | 3 | 3000 | bb | 695 | | | |
| 41 | 53 | 10 | 91 | -2 | 34000 | b? | 698 | 700 | 106 | m-Xylene |
| | 51 | 9 | 87 | 0 | 82000 | bb | 700 | | | |
| | 48 | 8 | 87 | -4 | 21000 | b? | 696 | | | |
| 42 | 53 | 10 | 90 | -1 | 99000 | bb* | 728 | 729 | 106 | o-/p-Xylene |
| | 51 | 9 | 88 | 1 | 39000 | ?b | 730 | | | |
| 43 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

FF1051

Interim Report Sample Analysis 03-APR-92 12:29:49

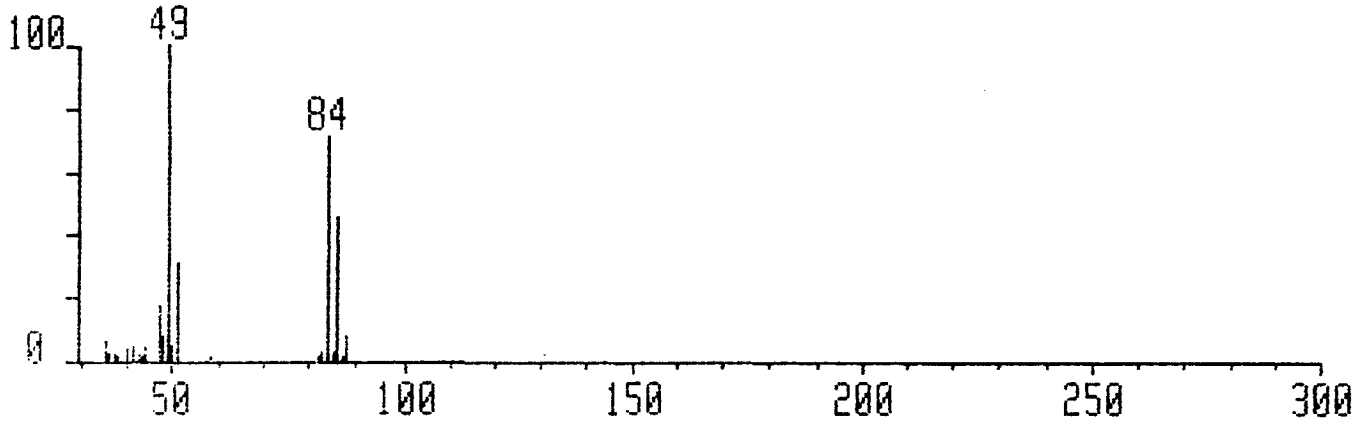
Datafile: FF1051 31-MAR-92 10:59
Database: CHCL3
Library: CHCL3

Instrument: VG#2
Account:
Text: BETWEEN_ 13302

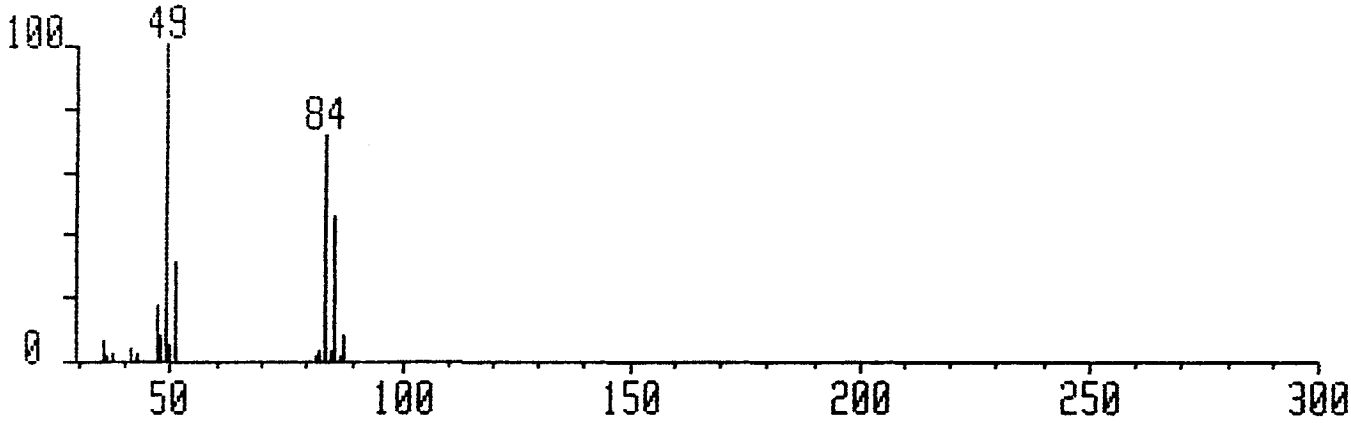
| No. | Rank | Spectrum Match | Spectrum Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 91 | 75 | 99 | -2 | 10177000 | bb* | 208 | 210 | 128 | Bromochloromethane |
| ~~2~~ | ~~71~~ | 33 | 99 | -1 | 383000 | bb | 224 | 225 | 63 | 1,1-Dichloroethane |
| ~~3~~ | 87 | 66 | 99 | 1 | 2039000 | bv | 251 | 250 | 83 | Chloroform |
| 4 | ---------- | No Trace Found below | | | | | | 0 | - | |

QWK
4/8/92
KD

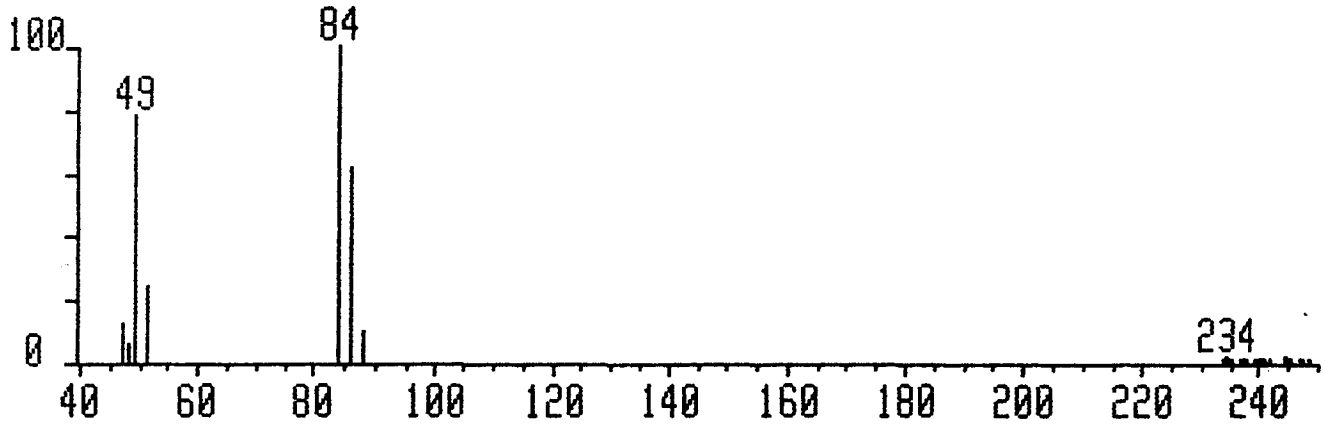
FF1051#143 x1 Bgd=3 31-MAR-92 10:59+0:07:52 EI+
I=283mv TIC=6414000 Acnt:
Text:BETWEEN_13302_Methylene Chloride



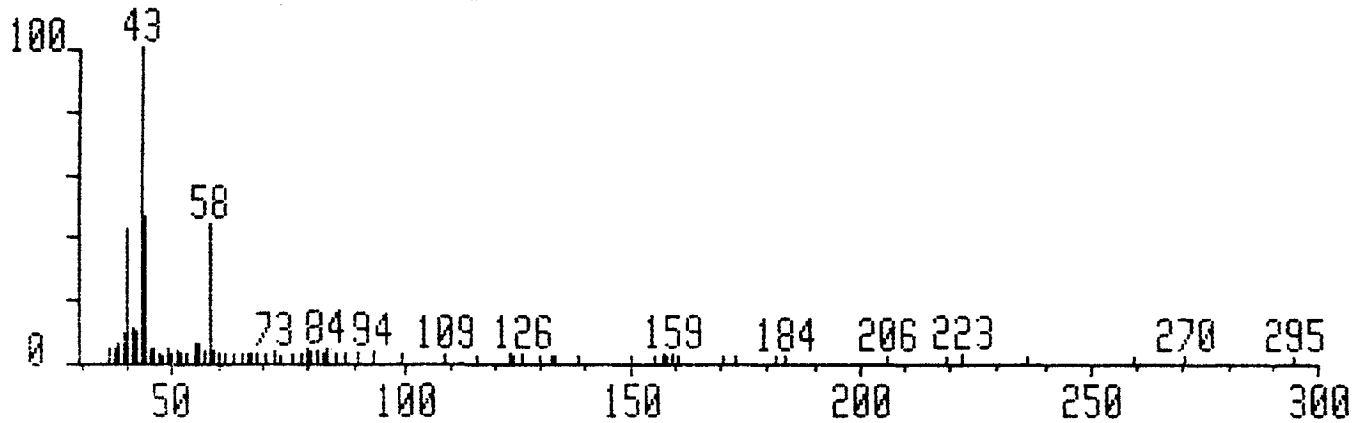

FF1051S#143 x1 Bgd=136 31-MAR-92 10:59+0:07:52 EI+
I=282mv TIC=5992000 SU Acnt:
Text:BETWEEN_13302_Methylene Chloride



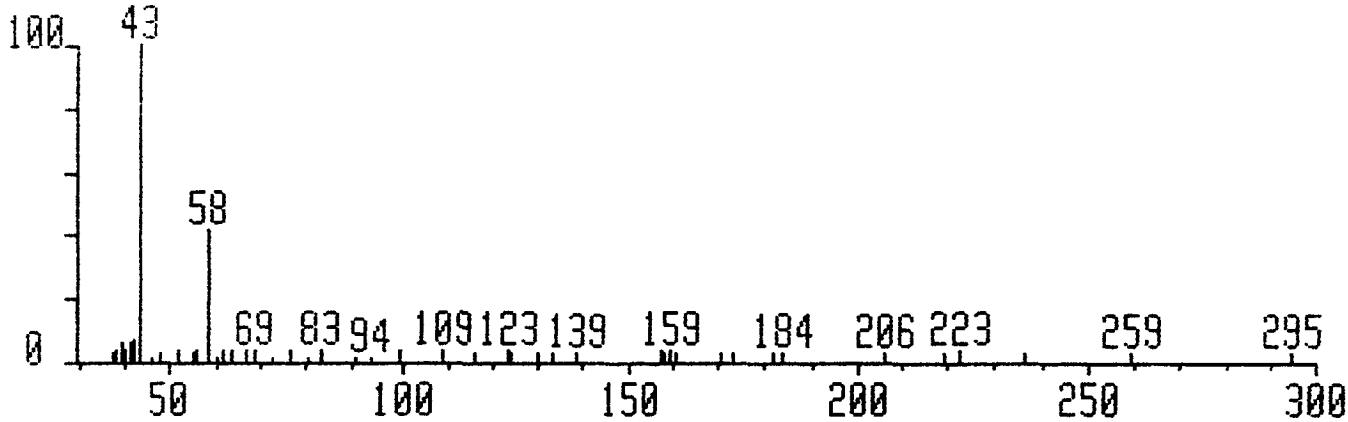

V8240#7 x1 Bgd=1 1-DEC-89 13:03+0:00:23 EI+
I=234mv TIC=10910000 Acnt:VG#2
Text:Methylene Chloride



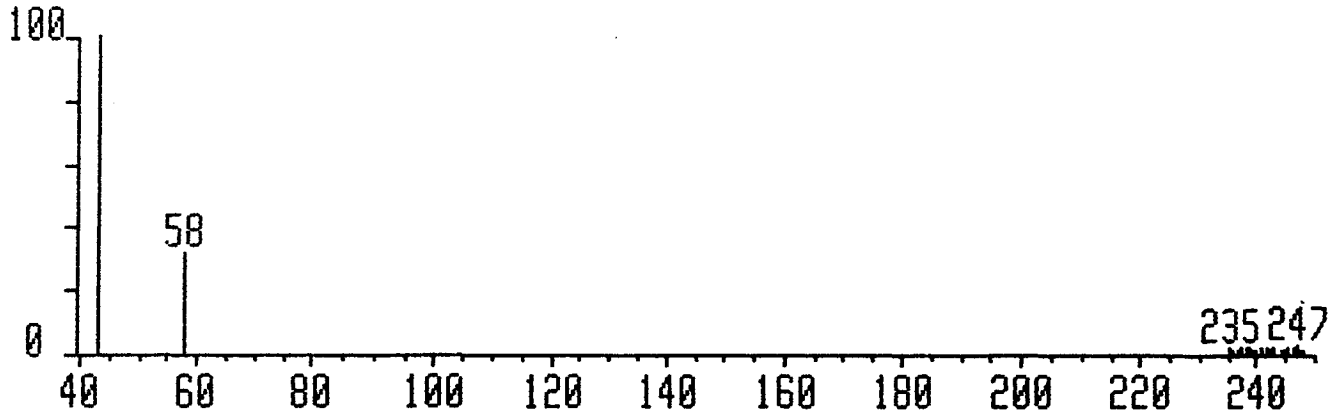
FF1051#156 x1 Bgd=3 31-MAR-92 10:59+0:08:31 EI+
I=22mv TIC=657000 Acnt:
Text:BETWEEN_13302_Acetone




FF1051S#156 x1 Bgd=152 31-MAR-92 10:59+0:08:31 EI+
I=20mv TIC=345000 SU Acnt:
Text:BETWEEN_13302_Acetone




V8240#8 x1 Bgd=1 1-DEC-89 13:03+0:00:26 EI+
I=226mv TIC=11124000 Acnt:VG#2
Text:Acetone



ATT Results FF1051 TIC 12507

| Internal Standard | Scan | Area | Conc |
|---|---|---|---|
| Bromochloromethane | 208 | 4580 | 50 |
| 1,4-Difluorobenzene | 420 | 9710 | 50 |
| Chlorobenzene-d5 | 528 | 12560 | 50 |

| TIC Scan | BKG Scan | IS Scan | Area | Conc |
|---|---|---|---|---|
| 8 | | 208 | 6707 | 73 |

QRE
4/1/92
KD

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 13303

Sample wt/vol: 5.0(g/mL) Lab File ID: FF1111

Level: (low/med) LOW Date Received: 03/10/92

% Moisture: not dec. 0 Date Analyzed: 03/31/92

GC Column: 1%SP1000 ID: 2 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 8 | J |
| 67-64-1 | Acetone | 7 | J |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-35-3 | 1,1-Dichloroethane | 10 | U |
| 156-60-5 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 591-78-6 | 4-Methyl-2-Pentanone | 10 | U |
| 108-10-1 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylene (total) | 10 | U |

1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EFFLUENT

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 13303

Sample wt/vol: 5.0(g/mL) Lab File ID: FF1111

Level: (low/med) LOW Date Received: 03/10/92

% Moisture: not dec. 0 Date Analyzed: 03/31/92

GC Column: 1%SP1000 ID: 2(mm) Dilution Factor: 1.0

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

Number TICs found: 0

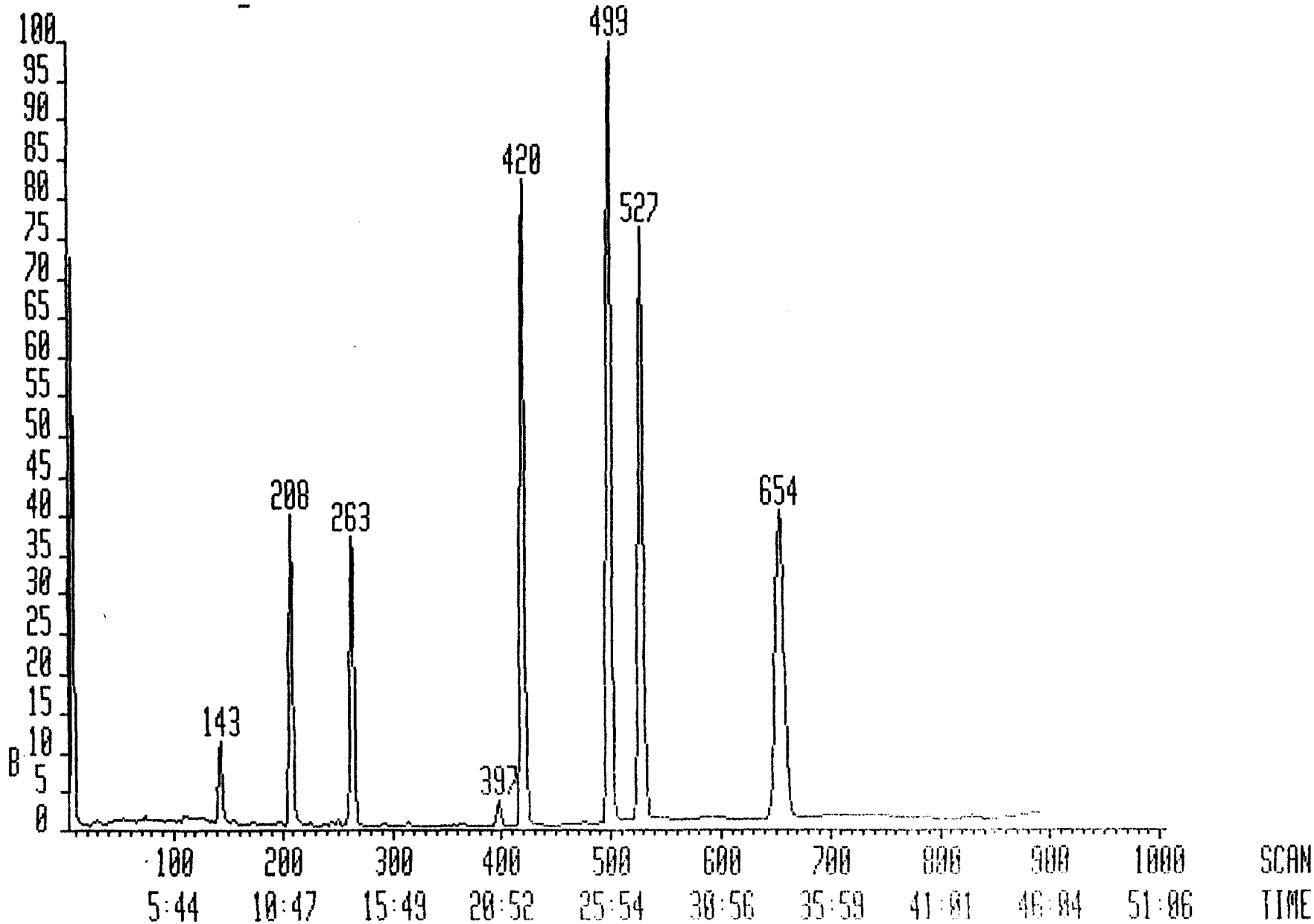
CONCENTRATION UNITS:
(ug/L or ug/Kg)ug/L

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |
| 7. | | | | | |
| 8. | | | | | |
| 9. | | | | | |
| 10. | | | | | |
| 11. | | | | | |
| 12. | | | | | |
| 13. | | | | | |
| 14. | | | | | |
| 15. | | | | | |
| 16. | | | | | |
| 17. | | | | | |
| 18. | | | | | |
| 19. | | | | | |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |
| 24. | | | | | |
| 25. | | | | | |
| 26. | | | | | |
| 27. | | | | | |
| 28. | | | | | |
| 29. | | | | | |
| 30. | | | | | |

FF1111 #5-889 31-MAR-92 16:05 VG#2 (EI+) Sys:VOA91 IHP

Chromatogram Identifiers : B1:35:260 B: 57701000

Text:EFFLUENT_ 13303



Interim Report Sample Analysis 01-APR-92 05:08:37

Datafile: FF1111 31-MAR-92 16:05
Database: VOA91C
Library: VOA91

Instrument: VG#2
Account:
Text: EFFLUENT_ 13303

GRK
4/1/92
KJ

| No. | Rank | Spectrum Match | Spectrum Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 | 92 | 99 | 0 | 11170000 | bb | 208 | 208 | 128 | Bromochloromethane |
| 2 | 98 | 87 | 99 | -1 | 23886000 | bv* | 263 | 264 | 65 | 1,2-Dichloroethane-d4 |
| 3 | 53 | 3 | 96 | 0 | 23000 | v? | 32 | 32 | 50 | Chloromethane |
| | 33 | 0 | 74 | 12 | 4000 | bb | 44 | | | |
| | 31 | 0 | 74 | 16 | 4000 | bb | 48 | | | |
| 4 | 40 | 3 | 81 | 8 | 17684 | ??* | 71 | 63 | 94 | Bromomethane |
| | 35 | 3 | 82 | 17 | 12891 | ?? | 80 | | | |
| | 34 | 1 | 70 | -8 | 24375 | ?? | 55 | | | |
| 5 | 50 | 1 | 95 | 2 | 11000 | ?b | 82 | 80 | 62 | Vinyl Chloride |
| | 48 | 0 | 95 | -5 | 7000 | bb | 75 | | | |
| | 44 | 0 | 91 | -8 | 3000 | bb | 72 | | | |
| 6 | 45 | 2 | 82 | 0 | 3000 | bb | 101 | 101 | 64 | Chloroethane |
| | 37 | 2 | 81 | -13 | 3000 | bb | 88 | | | |
| | 36 | 1 | 86 | 18 | 12000 | bb | 119 | | | |
| 7 | 96 | 84 | 98 | -1 | 4801000 | bv | 143 | 144 | 84 | Methylene Chloride |
| 8 | 71 | 39 | 99 | -3 | 627333 | vv | 155 | 158 | 43 | Acetone |
| | 51 | 7 | 99 | 8 | 48267 | ?? | 166 | | | |
| | 49 | 7 | 99 | 10 | 48267 | ?? | 168 | | | |
| 9 | 68 | 39 | 90 | 1 | 477000 | bb | 173 | 172 | 76 | Carbon Disulfide |
| 10 | 77 | 45 | 99 | 0 | 181000 | bb | 197 | 197 | 96 | 1,1-Dichloroethene |
| 11 | 62 | 18 | 99 | -1 | 183000 | bb | 223 | 224 | 63 | 1,1-Dichloroethane |
| | 47 | 8 | 99 | 14 | 61000 | bb | 238 | | | |
| | 41 | 1 | 85 | -9 | 12000 | bb | 215 | | | |
| 12 | 61 | 20 | 94 | 0 | 39000 | bb | 238 | ~~238~~ | 96 | 1,2-Dichloroethene (to |
| 13 | 46 | 6 | 82 | -1 | 25000 | bb | 223 | ~~224~~ 25 | 83 | Chloroform |
| | 33 | 9 | 61 | -9 | 16000 | bb | 215 | | | |
| 14 | 36 | 23 | 44 | 0 | 221000 | bb | 266 | 266 | 62 | 1,2-Dichloroethane |
| | 19 | 5 | 35 | 8 | 11000 | bb | 274 | | | |
| 15 | 52 | 0 | 99 | -1 | 95676 | vv | 262 | 263 | 43 | 2-Butanone |
| | 50 | 7 | 97 | -8 | 16757 | ?? | 255 | | | |
| | 44 | 3 | 98 | -14 | 4980 | ?? | 249 | | | |
| 16 | 85 | 60 | 99 | 0 | 78979120 | bv* | 420 | 420 | 114 | 1,4-Difluorobenzene |
| 17 | 73 | 40 | 99 | -1 | 213000 | bb | 292 | 293 | 97 | 1,1,1-Trichloroethane |
| 18 | 42 | 5 | 82 | -8 | 34000 | bb | 292 | 300 | 117 | Carbon Tetrachloride |
| | 39 | 6 | 68 | 1 | 19000 | bb | 301 | | | |
| 19 | ---------- No Trace Found ---------- | | | | | | | 290 | 1 | |
| 20 | 22 | 0 | 43 | 2 | 3000 | bb | 315 | 313 | 83 | Bromodichloromethane |
| 21 | 21 | 3 | 44 | -12 | 7000 | bb | 328 | 340 | 63 | 1,2-Dichloropropane |
| 22 | 28 | 1 | 51 | 0 | 3000 | bb | 345 | 345 | 75 | cis-1,3-Dichloropropen |
| 23 | 63 | 19 | 98 | 0 | 37000 | bb | 356 | 356 | 130 | Trichloroethene |
| 24 | ---------- No Trace Found ---------- | | | | | | | 371 | 129 | Dibromochloromethane |
| 25 | 10 | 0 | 25 | -17 | 23000 | bb | 357 | 374 | 97 | 1,1,2-Trichloroethane |
| 26 | 73 | 40 | 97 | 0 | 243000 | bb | 366 | 366 | 78 | Benzene |
| 27 | ---------- No Trace Found ---------- | | | | | | | 372 | 75 | trans-1,3-dichloroprop |
| 28 | ---------- No Trace Found ---------- | | | | | | | 372 | 1 | |
| 29 | ---------- No Trace Found ---------- | | | | | | | 429 | 173 | Bromoform |
| 30 | 93 | 76 | 98 | 0 | 70901190 | bv | 527 | 527 | 117 | Chlorobenzene-d5 |
| 31 | 89 | 69 | 99 | -1 | 42815260 | bv | 653 | 654 | 95 | 4-Bromofluorobenzene |
| 32 | 82 | 62 | 94 | -1 | 86708510 | bb | 498 | 499 | 98 | Toluene-d8 |
| 33 | 58 | 18 | 91 | 1 | 9065 | ?? | 438 | 437 | 43 | 4-Methyl-2-Pentanone |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 56 | 18 | 90 | 3 | 11452 | ?? | 440 | | | |
| | 53 | 19 | 87 | 5 | 1290 | ?? | 442 | | | |
| 34 | 61 | 24 | 91 | -1 | 9000 | ??* | 468 | 469 | 43 | 2-Hexanone |
| | 58 | 23 | 89 | 3 | 0 | ?? | 472 | | | |
| | 56 | 22 | 90 | -5 | 0 | ?? | 464 | | | |
| 35 | 50 | 7 | 87 | 0 | 17000 | bb | 476 | 476 | 164 | Tetrachloroethene |
| 36 | 43 | 3 | 79 | 1 | 10000 | ?b | 480 | 479 | 83 | 1,1,2,2-Tetrachloroeth |
| | 41 | 2 | 79 | 4 | 7000 | b? | 483 | | | |
| | 41 | 2 | 77 | -3 | 16000 | bb | 476 | | | |
| 37 | 61 | 17 | 98 | 0 | 893000 | bb | 503 | 503 | 91 | Toluene |
| 38 | 28 | 1 | 51 | 0 | 49000 | bb | 531 | 531 | 112 | Chlorobenzene |
| | 15 | 0 | 35 | 14 | 4000 | bb | 545 | | | |
| | 13 | 0 | 32 | 19 | 4000 | bb | 550 | | | |
| 39 | 55 | 10 | 94 | 1 | 55000 | bb | 583 | 582 | 106 | Ethylbenzene |
| 40 | 27 | 1 | 50 | 0 | 3000 | bb | 691 | 691 | 104 | Styrene |
| | 26 | 2 | 50 | 4 | 3000 | bb | 695 | | | |
| | 26 | 2 | 51 | 6 | 3000 | bb | 697 | | | |
| 41 | 51 | 8 | 90 | 2 | 39000 | ?b | 701 | 699 | 106 | m-Xylene |
| 42 | 52 | 8 | 92 | 2 | 54000 | ?b | 730 | 728 | 106 | o-/p-Xylene |
| | 49 | 7 | 87 | -2 | 47000 | b? | 726 | | | |
| 43 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

FF1111

Interim Report Sample Analysis 03-APR-92 12:32:52

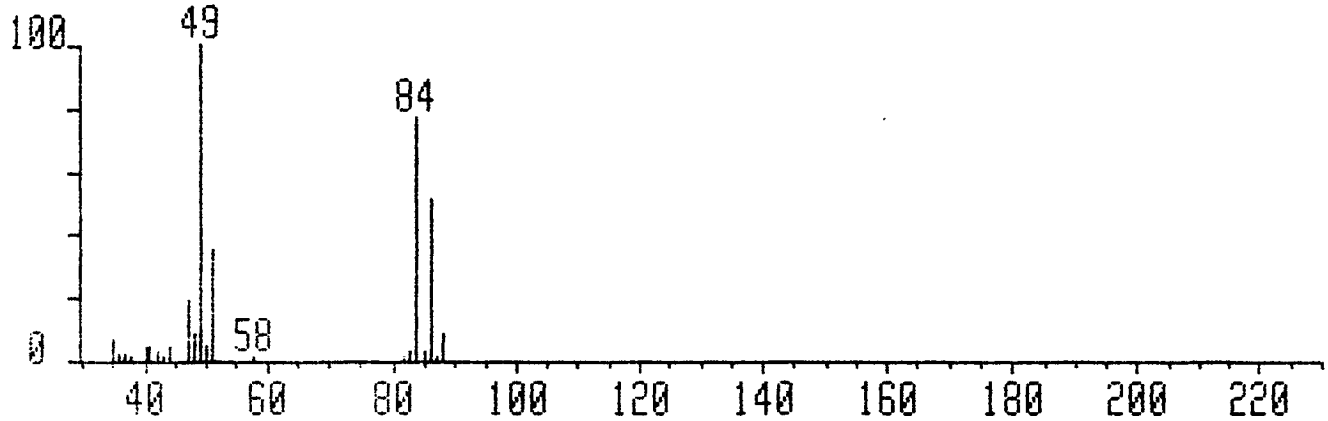
Datafile: FF1111 31-MAR-92 16:05
Database: CHCL3
Library: CHCL3

Instrument: VG#2
Account:
Text: EFFLUENT_ 13303

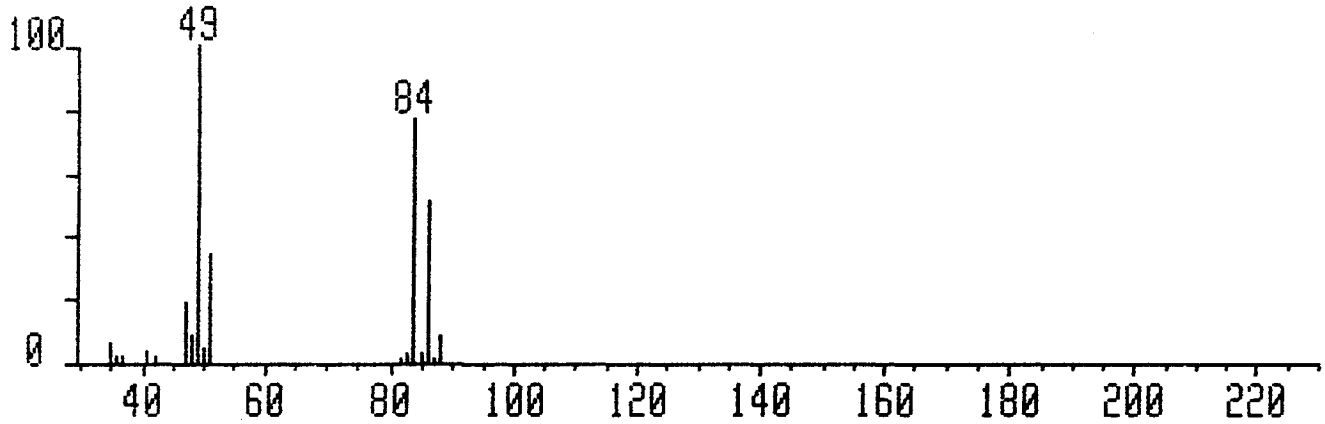
| No. | Rank | Spectrum Match | Scan Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 91 | 75 | 99 | -2 | 11170000 | bb* | 208 | 210 | 128 | Bromochloromethane |
| ~~2~~ | ~~62~~ | 18 | 99 | -2 | 183000 | bb | 223 | 225 | 63 | 1,1-Dichloroethane |
| | 45 | 8 | 99 | 13 | 61000 | bb | 238 | | | |
| | 39 | 1 | 85 | -10 | 12000 | bb | 215 | | | |
| ~~3~~ | ~~83~~ | 59 | 99 | 1 | 613000 | bb | 251 | 250 | 83 | Chloroform |
| 4 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

QNE
4/8/92
KD

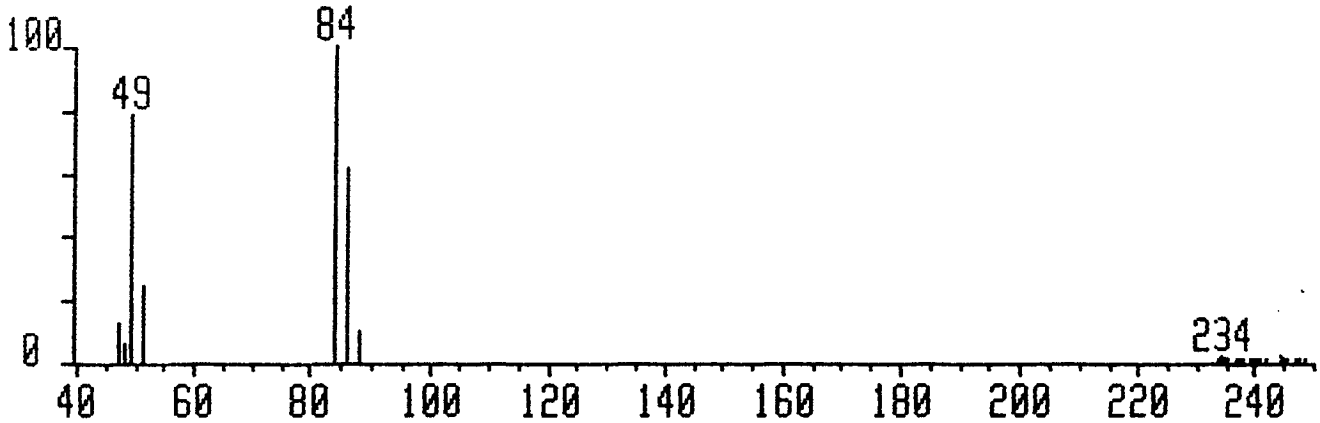
FF1111#143 x1 Bgd=2 31-MAR-92 16:05+0:07:54 EI+
I=292mv TIC=6601000 Acnt:
Text:EFFLUENT_13303_MethyLene ChLoride



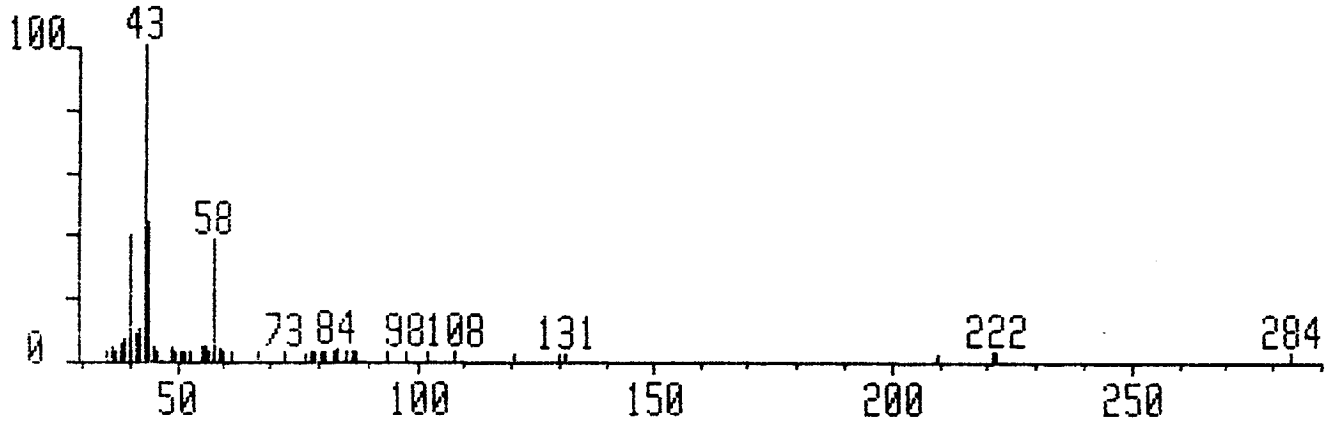

FF1111S#143 x1 Bgd=137 31-MAR-92 16:05+0:07:54 EI+
I=291mv TIC=6236000 SU Acnt:
Text:EFFLUENT_13303_MethyLene ChLoride



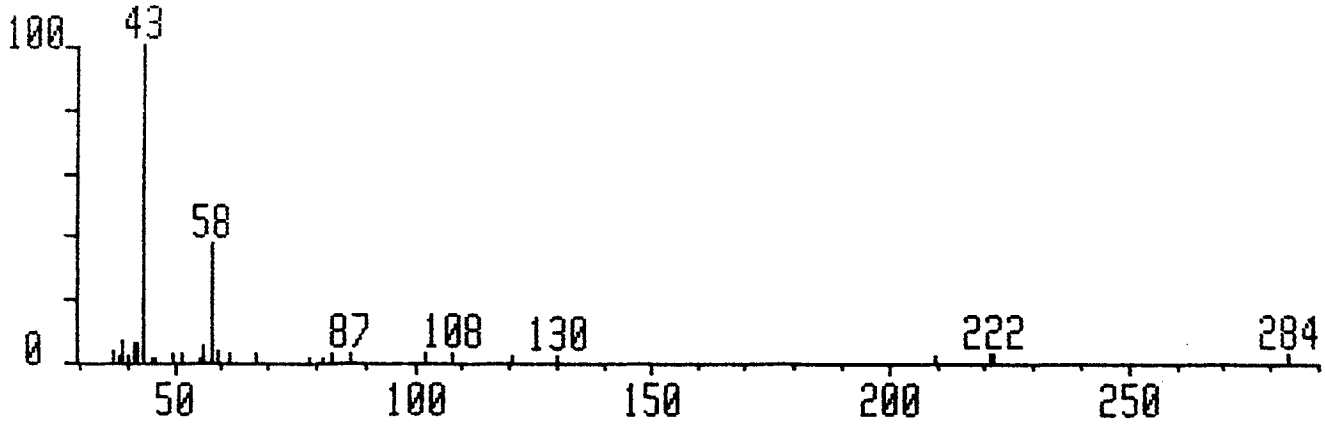

V8240#7 x1 Bgd=1 1-DEC-89 13:03+0:00:23 EI+
I=234mv TIC=10910000 Acnt:VG#2
Text:MethyLene ChLoride



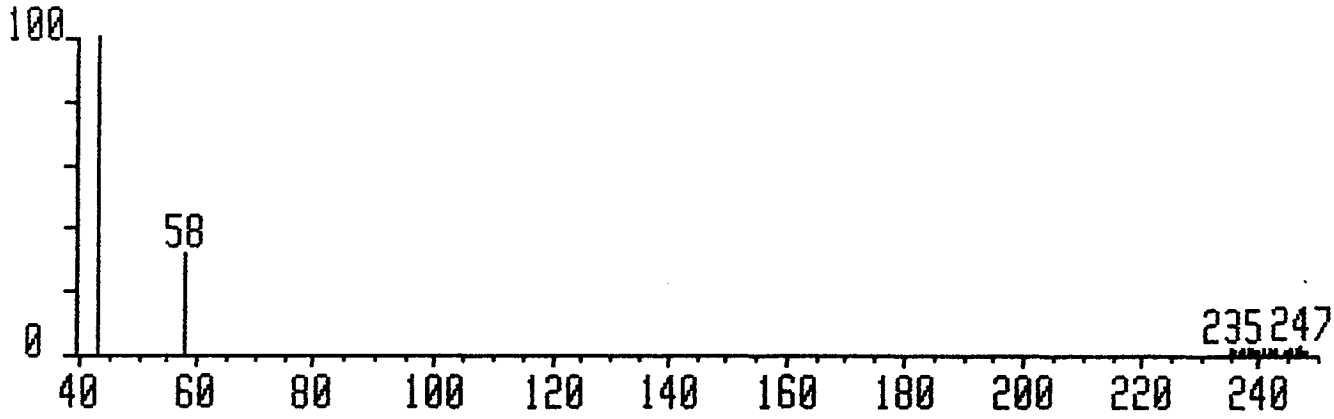
FF1111#155 x1 Bgd=2 31-MAR-92 16:05+0:08:30 EI+
I=27mv TIC=634000 Acnt:
Text:EFFLUENT_13303_Acetone




FF1111S#155 x1 Bgd=151 31-MAR-92 16:05+0:08:30 EI+
I=25mv TIC=343000 SU Acnt:
Text:EFFLUENT_13303_Acetone




V8240#8 x1 Bgd=1 1-DEC-89 13:03+0:00:26 EI+
I=226mv TIC=11124000 Acnt:VG#2
Text:Acetone



ATT Results FF1111 TIC 12507

| Internal Standard | Scan | Area | Conc |
|---|---|---|---|
| Bromochloromethane | 208 | 5027 | 50 |
| 1,4-Difluorobenzene | 420 | 11057 | 50 |
| Chlorobenzene-d5 | 527 | 13471 | 50 |

| TIC Scan | BKG Scan | IS Scan | Area | Conc |
|---|---|---|---|---|
| | | 208 | 5458 | 54 |

QC
4/1/92

6A

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.: SAS No.: SDG No.:

Instrument ID: VG#2 Calibration Date(s): 03/25/92 03/25/92

Heated Purge: (Y/N) N Calibration Times: 1052 1423

GC Column: 1%SP1000 ID: 2 (mm)

LAB FILE ID: RRF10 =EE1061 RRF20 =EE1051
RRF50=EE1041 RRF100=EE1031 RRF200=EE1021

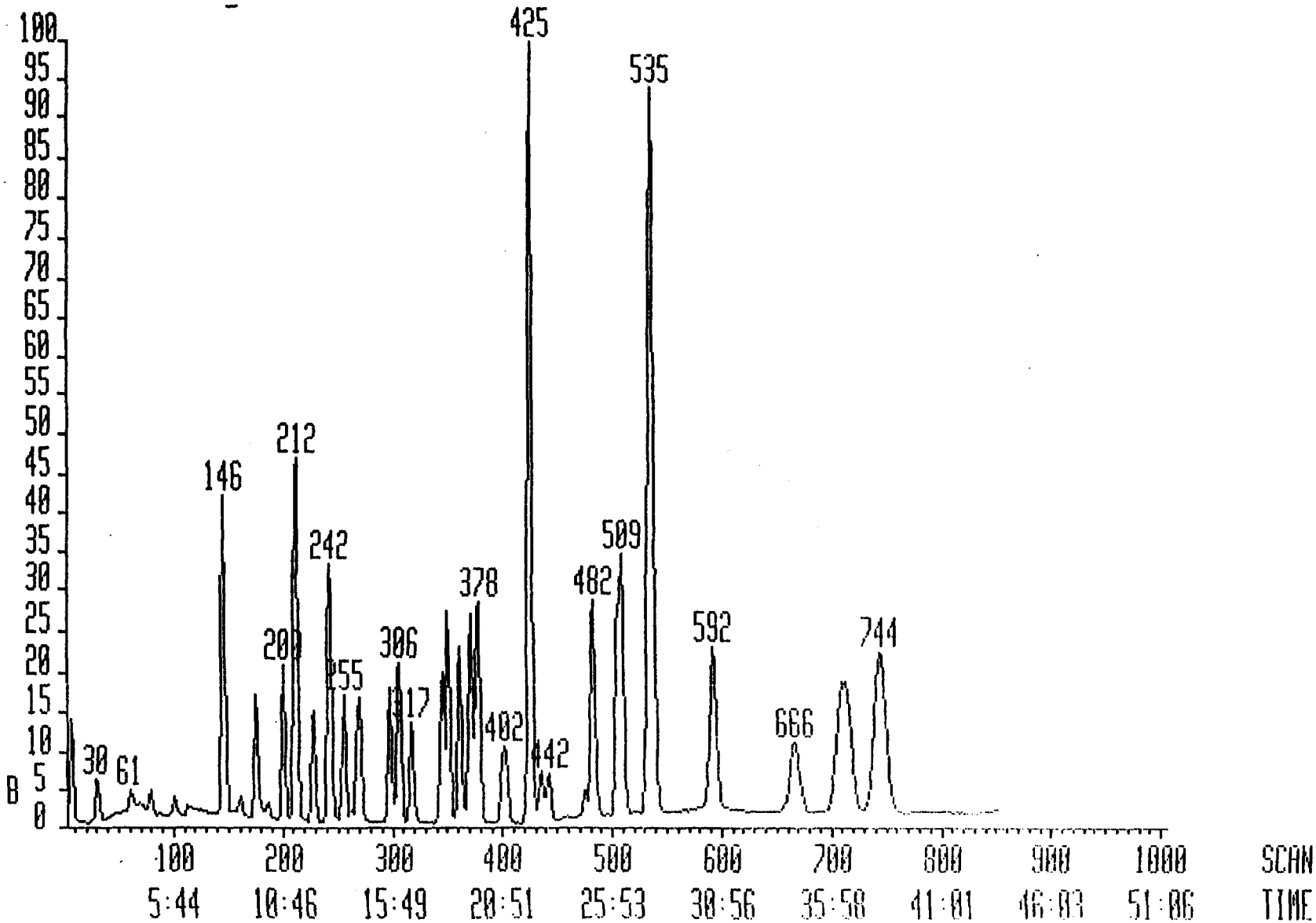
| COMPOUND | RRF10 | RRF20 | RRF50 | RRF100 | RRF200 | RRF | % RSD |
|---|---|---|---|---|---|---|---|
| Chloromethane | 2.033 | 2.136 | 2.178 | 2.136 | 2.153 | 2.127 | 2.6 |
| Bromomethane | * 0.742 | 0.734 | 0.761 | 0.757 | 0.697 | 0.738 | 3.5* |
| Vinyl Chloride | * 1.032 | 0.938 | 0.897 | 0.984 | 1.077 | 0.986 | 7.3* |
| Chloroethane | 0.687 | 0.685 | 0.711 | 0.701 | 0.685 | 0.694 | 1.7 |
| Methylene Chloride | 6.782 | 4.663 | 3.160 | 2.621 | 2.330 | 3.911 | 47.0 |
| Acetone | 0.978 | 0.610 | 0.385 | 0.423 | 0.364 | 0.552 | 46.6 |
| Carbon Disulfide | 9.562 | 8.908 | 8.324 | 8.242 | 7.038 | 8.415 | 11.1 |
| 1,1-Dichloroethene | * 2.488 | 2.244 | 2.262 | 2.174 | 2.101 | 2.254 | 6.5* |
| 1,1-Dichloroethane | * 5.132 | 4.767 | 4.931 | 4.983 | 4.830 | 4.929 | 2.9* |
| 1,2-Dichloroethene (total) | 2.410 | 2.282 | 2.314 | 2.227 | 2.165 | 2.280 | 4.1 |
| Chloroform | * 4.390 | 4.395 | 4.352 | 4.411 | 4.353 | 4.380 | 0.6* |
| 1,2-Dichloroethane | * 3.443 | 3.186 | 3.079 | 2.974 | 2.810 | 3.098 | 7.7* |
| 2-Butanone | 0.767 | 0.707 | 0.639 | 0.691 | 0.657 | 0.692 | 7.2 |
| 1,1,1-Trichloroethane | * 0.614 | 0.625 | 0.617 | 0.557 | 0.577 | 0.598 | 4.9* |
| Carbon Tetrachloride | * 0.568 | 0.563 | 0.540 | 0.509 | 0.530 | 0.542 | 4.5* |
| Bromodichloromethane | * 0.535 | 0.538 | 0.542 | 0.513 | 0.521 | 0.530 | 2.3* |
| 1,2-Dichloropropane | 0.520 | 0.515 | 0.489 | 0.475 | 0.492 | 0.498 | 3.8 |
| cis-1,3-Dichloropropene | * 1.022 | 1.039 | 1.047 | 0.984 | 1.007 | 1.020 | 2.5* |
| Trichloroethene | * 0.482 | 0.482 | 0.461 | 0.448 | 0.429 | 0.460 | 4.9* |
| Dibromochloromethane | * 0.418 | 0.413 | 0.412 | 0.395 | 0.380 | 0.404 | 3.9* |
| 1,1,2-Trichloroethane | * 0.333 | 0.333 | 0.326 | 0.301 | 0.273 | 0.313 | 8.3* |
| Benzene | * 1.388 | 1.326 | 1.310 | 1.248 | 1.149 | 1.284 | 7.0* |
| trans-1,3-dichloropropene | * 0.204 | 0.205 | 0.208 | 0.201 | 0.203 | 0.204 | 1.3* |
| Bromoform | * 0.229 | 0.240 | 0.246 | 0.239 | 0.233 | 0.237 | 2.8* |
| 4-Methyl-2-Pentanone | 0.253 | 0.262 | 0.276 | 0.269 | 0.282 | 0.268 | 4.3 |
| 2-Hexanone | 0.168 | 0.168 | 0.191 | 0.180 | 0.188 | 0.179 | 6.0 |
| Tetrachloroethene | * 0.441 | 0.423 | 0.435 | 0.410 | 0.393 | 0.420 | 4.6* |
| 1,1,2,2-Tetrachloroethane | * 0.440 | 0.449 | 0.448 | 0.435 | 0.421 | 0.439 | 2.6* |
| Toluene | * 2.049 | 1.898 | 1.837 | 1.706 | 1.466 | 1.791 | 12.3* |
| Chlorobenzene | * 1.145 | 1.122 | 1.111 | 1.071 | 1.127 | 1.115 | 2.5* |
| Ethylbenzene | * 0.621 | 0.621 | 0.616 | 0.607 | 0.648 | 0.623 | 2.5* |
| Styrene | * 1.228 | 1.198 | 1.243 | 1.227 | 1.272 | 1.234 | 2.2* |
| Xylene (total) | * 0.765 | 0.736 | 0.763 | 0.756 | 0.764 | 0.757 | 1.6* |
| Toluene-d8 | 1.363 | 1.306 | 1.298 | 1.308 | 1.224 | 1.300 | 3.8 |
| 4-Bromofluorobenzene | * 0.663 | 0.651 | 0.677 | 0.673 | 0.690 | 0.671 | 2.2* |
| 1,2-Dichloroethane-d4 | 5.132 | 4.767 | 4.931 | 4.990 | 4.837 | 4.931 | 2.9 |

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

EE1061 #5-851 25-MAR-92 14:23 VG#2 (EI+) Sys:VOA91 IHP

Chromatogram Identifiers : B1:35:260 B: 39065000

Text:VSTD010_



Interim Report Sample Analysis 25-MAR-92 16:38:29

Datafile: EE1061 25-MAR-92 14:23
Database: VOA91Y
Library: VOA91

Instrument: VG#2
Account:
Text: VSTD010_

| No. | Rank | Spectrum Match | Spectrum Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 | 91 | 99 | 0 | 9993000 | bv | 211 | 211 | 128 | Bromochloromethane |
| 2 | 85 | 60 | 99 | 0 | 5025000 | bv | 268 | 268 | 65 | 1,2-Dichloroethane-d4 |
| 3 | 90 | 72 | 99 | -1 | 4063000 | bv* | 30 | 31 | 50 | Chloromethane |
| 4 | 81 | 53 | 99 | 0 | 1483615 | vb | 61 | 61 | 94 | Bromomethane |
| 5 | 80 | 51 | 99 | 0 | 2062000 | bb | 79 | 79 | 62 | Vinyl Chloride |
| 6 | 80 | 51 | 99 | 0 | 1373000 | bv* | 101 | 101 | 64 | Chloroethane |
| 7 | 98 | 86 | 99 | -1 | 13555220 | bv | 145 | 146 | 84 | Methylene Chloride |
| 8 | 80 | 51 | 99 | 0 | 2227953 | vv* | 160 | 160 | 43 | Acetone 1954615 |
| | 53 | 11 | 99 | 7 | 2227953 | v? | 167 | | | |
| | 51 | 4 | 99 | -6 | 74381 | b? | 154 | | | |
| 9 | 98 | 85 | 99 | 0 | 19111270 | bv* | 175 | 175 | 76 | Carbon Disulfide |
| 10 | 95 | 81 | 99 | -1 | 4972000 | bv | 200 | 201 | 96 | 1,1-Dichloroethene |
| 11 | 69 | 70 | 99 | 18 | 10256000 | bb* | 228 | 210 | 63 | 1,1-Dichloroethane |
| | 50 | 0 | 95 | -1 | 158000 | ?b | 209 | | | |
| | 48 | 2 | 91 | -3 | 19000 | ?? | 207 | | | |
| 12 | 96 | 83 | 99 | -1 | 9632600 | bv | 242 | 243 | 96 | 1,2-Dichloroethene (to |
| 13 | 57 | 10 | 98 | -1 | 1079000 | bb | ~~228~~ | ~~229~~ 256 | 83 | Chloroform |
| | 29 | 2 | 68 | 17 | 29000 | bb | 246 | | | |
| 14 | 91 | 77 | 95 | -1 | 6882000 | vv | 270 | 271 | 62 | 1,2-Dichloroethane |
| 15 | 57 | 13 | 99 | -4 | 1533500 | vb* | 267 | 271 | 43 | 2-Butanone |
| | 50 | 6 | 99 | 9 | 2000 | ?? | 280 | | | |
| | 47 | 6 | 97 | 11 | 1000 | ?? | 282 | | | |
| 16 | 81 | 58 | 99 | -3 | 61230000 | bv* | 425 | 428 | 114 | 1,4-Difluorobenzene |
| 17 | 94 | 82 | 99 | -2 | 7519000 | bb | 297 | 299 | 97 | 1,1,1-Trichloroethane |
| 18 | 86 | 68 | 98 | -2 | 6951000 | vb | 305 | 307 | 117 | Carbon Tetrachloride |
| 19 | ---------- | | No | Trace | Found | ---------- | | 290 | 1 | |
| 20 | 91 | 73 | 99 | -1 | 6557000 | bb | 317 | 318 | 83 | Bromodichloromethane |
| 21 | 94 | 81 | 99 | -2 | 6364000 | bb | 345 | 347 | 63 | 1,2-Dichloropropane |
| 22 | 92 | 78 | 99 | -2 | 12520500 | bb | 350 | 352 | 75 | cis-1,3-Dichloropropen |
| 23 | 92 | 77 | 99 | -2 | 5905000 | bv | 361 | 363 | 130 | Trichloroethene |
| 24 | 72 | 39 | 98 | -1 | 5119000 | bb | 376 | 377 | 129 | Dibromochloromethane |
| 25 | 74 | 44 | 99 | -2 | 4082000 | vv | 378 | 380 | 97 | 1,1,2-Trichloroethane |
| 26 | 93 | 84 | 97 | -3 | 16993000 | bv* | 371 | 374 | 78 | Benzene |
| 27 | 60 | 15 | 99 | -1 | 2499500 | vb* | 377 | 378 | 75 | trans-1,3-dichloroprop |
| | 31 | 3 | 72 | 18 | 68000 | bb | 396 | | | |
| 28 | ---------- | | No | Trace | Found | ---------- | | 374 | 1 | |
| 29 | 92 | 76 | 99 | -1 | 2800000 | bb | 435 | 436 | 173 | Bromoform |
| 30 | 91 | 72 | 98 | 0 | 55241910 | bv | 534 | 534 | 117 | Chlorobenzene-d5 |
| 31 | 83 | 57 | 99 | 0 | 7324000 | bv | 666 | 666 | 95 | 4-Bromofluorobenzene |
| 32 | 81 | 61 | 98 | -4 | 15056860 | bv | 504 | 508 | 98 | Toluene-d8 |
| 33 | 89 | 76 | 98 | -3 | 2795415 | vv | 442 | 445 | 43 | 4-Methyl-2-Pentanone |
| 34 | 86 | 73 | 97 | -4 | 1861148 | vv | 475 | 479 | 43 | 2-Hexanone |
| 35 | 91 | 75 | 99 | -2 | 4873000 | bb | 481 | 483 | 164 | Tetrachloroethene |
| 36 | 72 | 35 | 99 | 0 | 4863907 | vv | 484 | 484 | 83 | 1,1,2,2-Tetrachloroeth |
| 37 | 91 | 78 | 99 | -3 | 22642500 | bb | 509 | 512 | 91 | Toluene |
| 38 | 70 | 38 | 99 | 3 | 12645340 | bv* | 538 | 535 | 112 | Chlorobenzene |
| 39 | 91 | 71 | 99 | 0 | 6864000 | bb | 592 | 592 | 106 | Ethylbenzene |
| 40 | 89 | 69 | 99 | -1 | 13568000 | bb | 706 | 707 | 104 | Styrene |
| 41 | 90 | 70 | 98 | 0 | 8451000 | bb | 715 | 715 | 106 | m-Xylene |

42 94 79 99 -1 16010150 bv 743 744 106 o-/p-Xylene
43 ---------- No Trace Found ---------- 0 -
16010150 743 744 EE1061

Interim Report Sample Analysis 03-APR-92 12:05:43

Datafile: EE1061 25-MAR-92 14:23
Database: CHCL3
Library: CHCL3

Instrument: VG#2
Account:
Text: VSTD010_

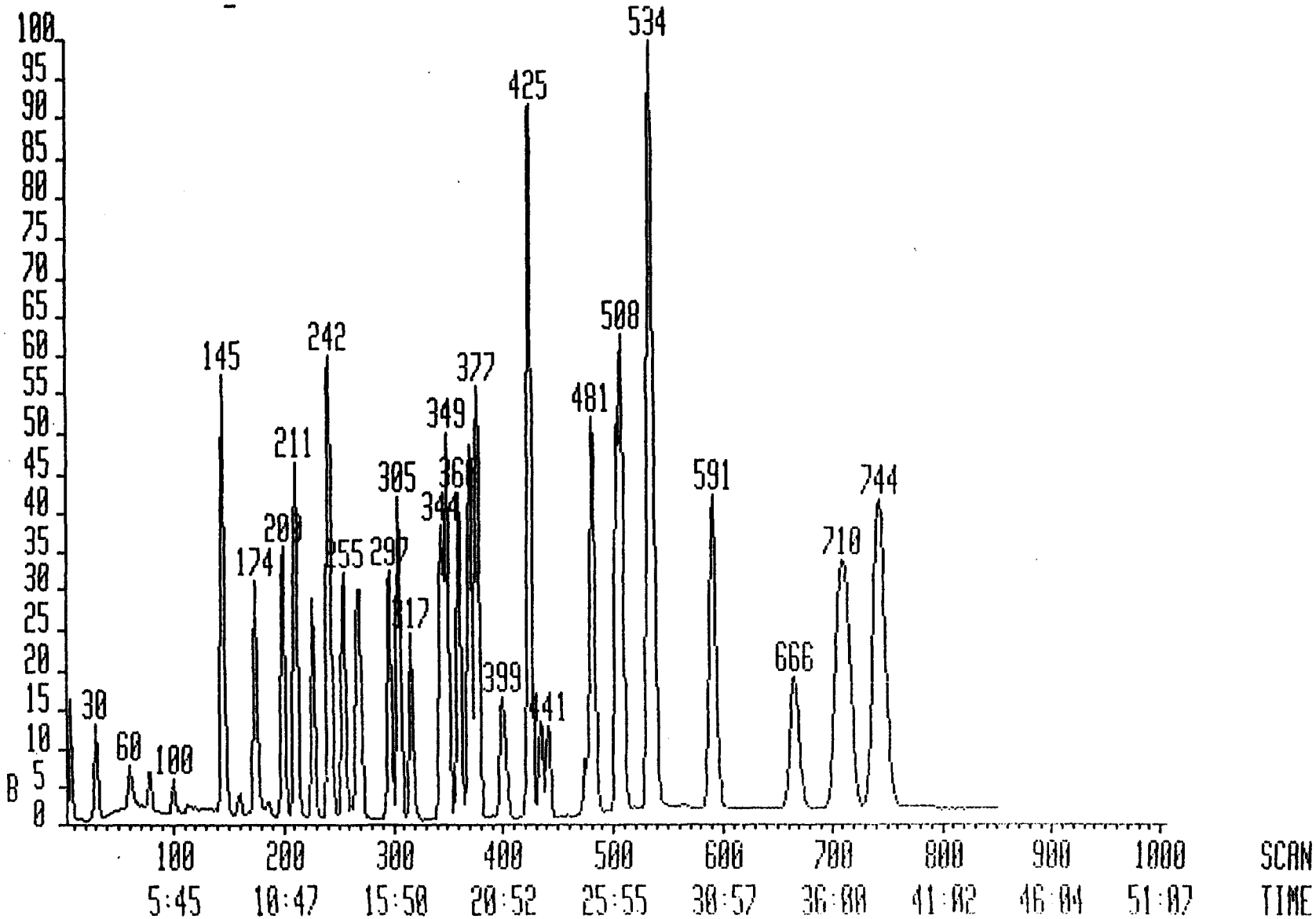
| No. | Rank | Spectrum Match | Fit | Scan Diff | Peak Area | Flgs | Scan Found | Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 91 | 74 | 99 | 1 | 9993000 | bv | 211 | 210 | 128 | Bromochloromethane |
| 2 | 88 | 70 | 99 | 3 | 10256000 | bb* | 228 | 225 | 63 | 1,1-Dichloroethane |
| 3 | 90 | 80 | 99 | 5 | 8773000 | bv | 255 | 250 | 83 | Chloroform |
| 4 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

QNE
4/8/92
KO

EE1051 #5-849 25-MAR-92 13:34 VG#2 (EI+) Sys:VOA91 IHP

Chromatogram Identifiers : B1:35:260 B: 40026000

Text:VSTD020_



Interim Report Sample Analysis 25-MAR-92 16:33:18

Datafile: EE1051 25-MAR-92 13:34
Database: VOA91Y
Library: VOA91

Instrument: VG#2
Account:
Text: VSTD020_

| No. | Rank | Spectrum Match | Spectrum Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 | 90 | 99 | 0 | 9911000 | bb | 211 | 211 | 128 | Bromochloromethane |
| 2 | 87 | 65 | 99 | -1 | 9646000 | bv | 267 | 268 | 65 | 1,2-Dichloroethane-d4 |
| 3 | 93 | 77 | 99 | -1 | 8466000 | bv | 30 | 31 | 50 | Chloromethane |
| 4 | 86 | 63 | 99 | -1 | 2909250 | vb | 60 | 61 | 94 | Bromomethane |
| 5 | 85 | 60 | 99 | 0 | 3718000 | bv* | 79 | 79 | 62 | Vinyl Chloride |
| 6 | 86 | 64 | 99 | -1 | 2716000 | bb* | 100 | 101 | 64 | Chloroethane |
| 7 | 98 | 87 | 98 | -1 | 18487000 | bv* | 145 | 146 | 84 | Methylene Chloride |
| 8 | 83 | 57 | 99 | 0 | 2418000 | vv | 160 | 160 | 43 | Acetone |
| 9 | 98 | 86 | 99 | -1 | 35313720 | bv* | 174 | 175 | 76 | Carbon Disulfide |
| 10 | 94 | 82 | 99 | -2 | 8898000 | bb* | 199 | 201 | 96 | 1,1-Dichloroethene |
| 11 | 71 | 71 | 99 | 17 | 18897810 | vb* | 227 | 210 | 63 | 1,1-Dichloroethane |
| | 52 | 0 | 99 | 1 | 148000 | vb | 211 | | | |
| | 45 | 1 | 89 | 5 | 4000 | ?b | 215 | | | |
| 12 | 96 | 83 | 99 | -1 | 18090430 | bv | 242 | 243 | 96 | 1,2-Dichloroethene (to |
| 13 | 56 | 10 | 98 | -2 | 2117000 | bb | 227 | 229 | 83 | Chloroform |
| | 39 | 4 | 78 | 8 | 3000 | bb | 237 | | | |
| | 33 | 2 | 64 | 6 | 6000 | bb | 235 | | | |
| 14 | 94 | 82 | 96 | -1 | 12632000 | bv | 270 | 271 | 62 | 1,2-Dichloroethane |
| 15 | 57 | 14 | 99 | -5 | 2803000 | vv | 266 | 271 | 43 | 2-Butanone |
| | 53 | 6 | 99 | 4 | 28000 | ?? | 275 | | | |
| | 50 | 7 | 99 | 9 | 6000 | ?? | 280 | | | |
| 16 | 80 | 59 | 99 | -4 | 60687420 | bv* | 424 | 428 | 114 | 1,4-Difluorobenzene |
| 17 | 95 | 83 | 99 | -2 | 15174000 | bb | 297 | 299 | 97 | 1,1,1-Trichloroethane |
| 18 | 83 | 62 | 98 | -2 | 13665000 | vv | 305 | 307 | 117 | Carbon Tetrachloride |
| 19 | ---------- | No | Trace | Found | ---------- | | | 290 | 1 | |
| 20 | 92 | 76 | 99 | -1 | 13062510 | vv | 317 | 318 | 83 | Bromodichloromethane |
| 21 | 93 | 82 | 99 | -3 | 12500000 | bb* | 344 | 347 | 63 | 1,2-Dichloropropane |
| 22 | 91 | 78 | 99 | -3 | 25219000 | bb | 349 | 352 | 75 | cis-1,3-Dichloropropen |
| 23 | 91 | 78 | 99 | -3 | 11707000 | bv | 360 | 363 | 130 | Trichloroethene |
| 24 | 71 | 35 | 99 | -1 | 10021000 | bv | 376 | 377 | 129 | Dibromochloromethane |
| 25 | 77 | 50 | 98 | -2 | 8094000 | vb | 378 | 380 | 97 | 1,1,2-Trichloroethane |
| 26 | 92 | 84 | 97 | -4 | 32191000 | bv* | 370 | 374 | 78 | Benzene |
| 27 | 60 | 15 | 98 | -1 | 4984000 | vv | 377 | 378 | 75 | trans-1,3-dichloroprop |
| | 47 | 7 | 95 | 11 | 0 | ?? | 389 | | | |
| | 40 | 4 | 87 | -13 | 1574 | ?? | 365 | | | |
| 28 | ---------- | No | Trace | Found | ---------- | | | 374 | 1 | |
| 29 | 96 | 85 | 99 | -2 | 5817000 | bb | 434 | 436 | 173 | Bromoform |
| 30 | 89 | 70 | 98 | -1 | 55789610 | bv | 533 | 534 | 117 | Chlorobenzene-d5 |
| 31 | 87 | 63 | 99 | 0 | 14533000 | bb | 666 | 666 | 95 | 4-Bromofluorobenzene |
| 32 | 82 | 62 | 99 | -4 | 29154900 | bv | 504 | 508 | 98 | Toluene-d8 |
| 33 | 92 | 84 | 98 | -4 | 5856000 | vb* | 441 | 445 | 43 | 4-Methyl-2-Pentanone |
| 34 | 89 | 80 | 97 | -5 | 3751057 | vb* | 474 | 479 | 43 | 2-Hexanone |
| 35 | 92 | 80 | 99 | -3 | 9431000 | bb | 480 | 483 | 164 | Tetrachloroethene |
| 36 | 77 | 45 | 99 | 0 | 10018360 | vv | 484 | 484 | 83 | 1,1,2,2-Tetrachloroeth |
| 37 | 90 | 78 | 99 | -4 | 42345040 | vv | 508 | 512 | 91 | Toluene |
| 38 | 80 | 57 | 99 | 3 | 25032570 | bv | 538 | 535 | 112 | Chlorobenzene |
| 39 | 93 | 77 | 99 | -1 | 13854000 | bb | 591 | 592 | 106 | Ethylbenzene |
| 40 | 90 | 74 | 99 | -2 | 26740000 | bb | 705 | 707 | 104 | Styrene |
| 41 | 91 | 74 | 98 | -1 | 16425000 | bb | 714 | 715 | 106 | m-Xylene |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 42 | 95 | 81 | 99 | -1 | 31514450 | bv | 743 | 744 | 106 | o-/p-Xylene |
| 43 | ---------- | No | Trace | Found | ---------- | | | 0 | - | |

31514450 743 744

EE1051

Interim Report Sample Analysis 03-APR-92 12:04:57

Datafile: EE1051 25-MAR-92 13:34
Database: CHCL3
Library: CHCL3

Instrument: VG#2
Account:
Text: VSTD020_

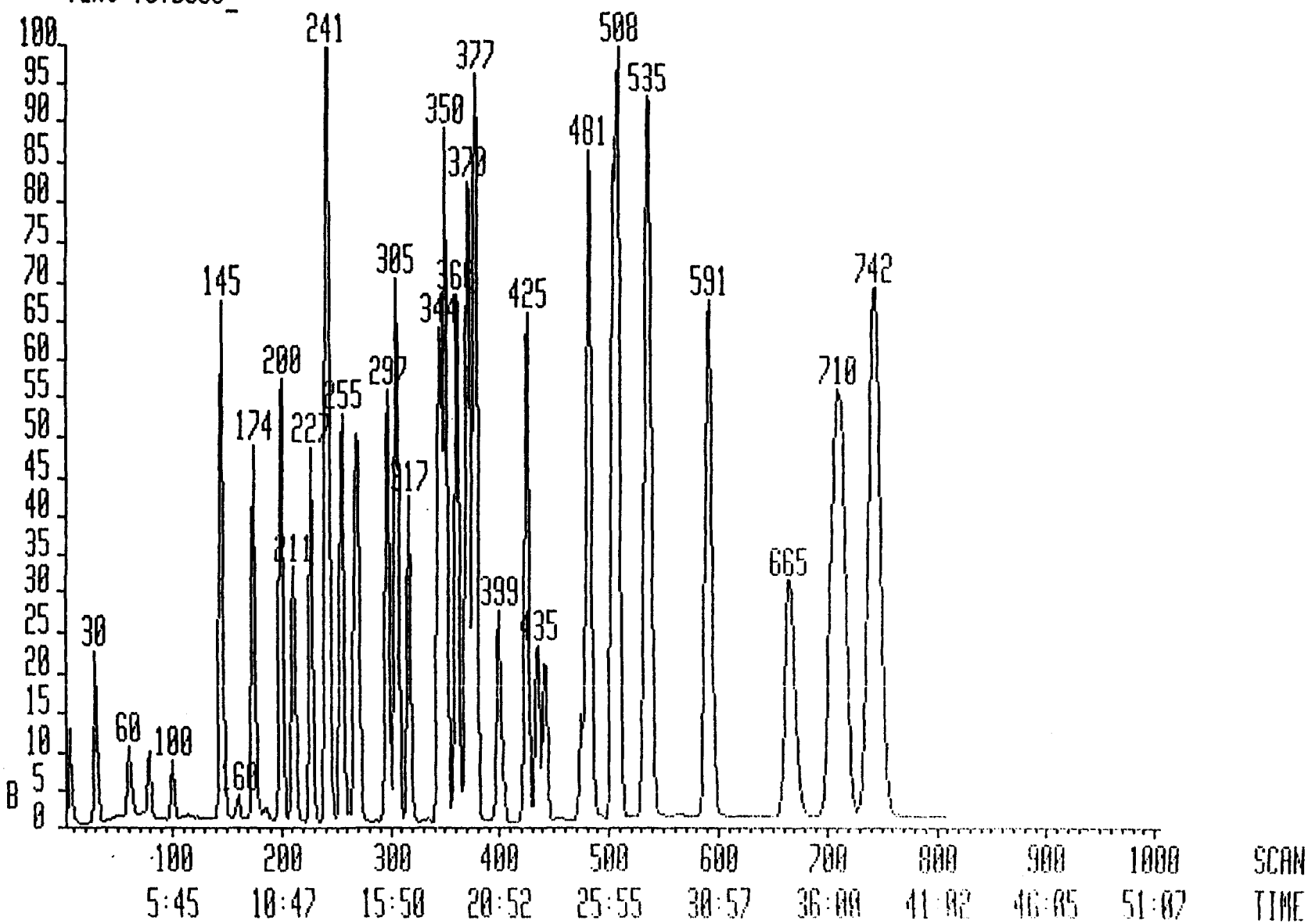
| No. | Rank | Spectrum Match | Spectrum Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 91 | 73 | 99 | 1 | 9911000 | bb | 211 | 210 | 128 | Bromochloromethane |
| 2 | 90 | 71 | 99 | 2 | 18897810 | vb | 227 | 225 | 63 | 1,1-Dichloroethane |
| 3 | 90 | 81 | 99 | 5 | 17423000 | vv | 255 | 250 | 83 | Chloroform |
| 4 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

QAE
4/8/92
KD

EE1041 #5-807 25-MAR-92 12:47 VG#2 (EI+) Sys:VOA91 IHP

Chromatogram Identifiers : B1:35:260 B: 58224000

Text:VSTD050



Interim Report Sample Analysis 25-MAR-92 14:20:40

Datafile: EE1041 25-MAR-92 12:47 QRE
Database: VOA91Y
Library: VOA91

Instrument: VG#2
Account:
Text: VSTD050_

| No. | Rank | Spectrum Match | Fit | Scan Diff | Peak Area | Flgs | Scan Found | Pred | Quan m/z | MEC 3/25/92 Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 | 90 | 99 | 0 | 9677000 | bv | 211 | 211 | 128 | Bromochloromethane |
| 2 | 88 | 67 | 99 | -1 | 24772000 | bv | 267 | 268 | 65 | 1,2-Dichloroethane-d4 |
| 3 | 94 | 80 | 99 | -1 | 21072000 | bv* | 30 | 31 | 50 | Chloromethane |
| 4 | 94 | 79 | 99 | -1 | 7364341 | vb* | 60 | 61 | 94 | Bromomethane |
| 5 | 90 | 69 | 99 | 0 | 8680000 | bv* | 79 | 79 | 62 | Vinyl Chloride |
| 6 | 91 | 73 | 99 | -1 | 6880000 | bb | 100 | 101 | 64 | Chloroethane |
| 7 | 98 | 88 | 98 | -1 | 30576000 | vv* | 145 | 146 | 84 | Methylene Chloride |
| 8 | 86 | 62 | 99 | 0 | 3720853 | vv | 160 | 160 | 43 | Acetone |
| 9 | 99 | 89 | 99 | -1 | 80555220 | bv* | 174 | 175 | 76 | Carbon Disulfide |
| 10 | 95 | 82 | 98 | -1 | 21893010 | vv | 200 | 201 | 96 | 1,1-Dichloroethene |
| 11 | 71 | 72 | 99 | 17 | 47713510 | bb* | 227 | 210 | 63 | 1,1-Dichloroethane |
| | 52 | 0 | 99 | 1 | 198000 | vb | 211 | | | |
| 12 | 95 | 84 | 99 | -2 | 44782930 | bv | 241 | 243 | 96 | 1,2-Dichloroethene (to |
| 13 | 56 | 11 | 97 | -2 | 5249000 | bv | 227 | 229 | 83 | Chloroform |
| | 38 | 3 | 76 | 7 | 5249000 | b? | 236 | | | |
| 14 | 94 | 82 | 96 | -1 | 29792000 | vv | 270 | 271 | 62 | 1,2-Dichloroethane |
| 15 | 56 | 13 | 99 | -5 | 6186166 | vv* | 266 | 271 | 43 | 2-Butanone |
| | 53 | 7 | 97 | 4 | 6186166 | ?? | 275 | | | |
| | 51 | 9 | 95 | 6 | 30889 | ?? | 277 | | | |
| 16 | 81 | 58 | 99 | -3 | 61559340 | bv* | 425 | 428 | 114 | 1,4-Difluorobenzene |
| 17 | 95 | 83 | 99 | -2 | 38010000 | bv | 297 | 299 | 97 | 1,1,1-Trichloroethane |
| 18 | 84 | 63 | 98 | -2 | 33249000 | vb | 305 | 307 | 117 | Carbon Tetrachloride |
| 19 | ---------- | | No | Trace | Found | ---------- | | 290 | 1 | |
| 20 | 93 | 77 | 99 | -1 | 33364180 | vv | 317 | 318 | 83 | Bromodichloromethane |
| 21 | 93 | 82 | 99 | -3 | 30102470 | bv | 344 | 347 | 63 | 1,2-Dichloropropane |
| 22 | 92 | 78 | 99 | -2 | 64469550 | bv | 350 | 352 | 75 | cis-1,3-Dichloropropen |
| 23 | 91 | 79 | 99 | -3 | 28355000 | bv | 360 | 363 | 130 | Trichloroethene |
| 24 | 72 | 37 | 99 | -1 | 25368000 | bv | 376 | 377 | 129 | Dibromochloromethane |
| | 42 | 5 | 89 | 12 | 21000 | ?b | 389 | | | |
| 25 | 76 | 48 | 98 | -2 | 20053000 | vv | 378 | 380 | 97 | 1,1,2-Trichloroethane |
| 26 | 92 | 84 | 97 | -4 | 80638430 | vv* | 370 | 374 | 78 | Benzene |
| 27 | 60 | 16 | 98 | -1 | 12826960 | vv | 377 | 378 | 75 | trans-1,3-dichloroprop |
| | 46 | 8 | 94 | 12 | 2000 | ?? | 390 | | | |
| | 37 | 4 | 84 | 17 | 4158 | ?? | 395 | | | |
| 28 | ---------- | | No | Trace | Found | ---------- | | 374 | 1 | |
| 29 | 97 | 88 | 99 | -2 | 15139000 | bb | 434 | 436 | 173 | Bromoform |
| 30 | 85 | 63 | 98 | -1 | 54953840 | vv* | 533 | 534 | 117 | Chlorobenzene-d5 |
| 31 | 88 | 67 | 99 | -1 | 37191900 | bv | 665 | 666 | 95 | 4-Bromofluorobenzene |
| 32 | 82 | 63 | 99 | -4 | 71305720 | bv | 504 | 508 | 98 | Toluene-d8 |
| 33 | 95 | 86 | 98 | -3 | 15171650 | vv | 442 | 445 | 43 | 4-Methyl-2-Pentanone |
| 34 | 91 | 85 | 97 | -5 | 10502800 | vv | 474 | 479 | 43 | 2-Hexanone |
| 35 | 91 | 75 | 99 | -2 | 23915000 | bv | 481 | 483 | 164 | Tetrachloroethene |
| 36 | 77 | 45 | 99 | 0 | 24635960 | vv* | 484 | 484 | 83 | 1,1,2,2-Tetrachloroeth |
| 37 | 90 | 79 | 99 | -4 | 100932300 | vv | 508 | 512 | 91 | Toluene |
| 38 | 83 | 61 | 99 | 2 | 61048500 | bv | 537 | 535 | 112 | Chlorobenzene |
| 39 | 93 | 78 | 99 | -1 | 33833000 | bv | 591 | 592 | 106 | Ethylbenzene |
| 40 | 92 | 77 | 99 | -2 | 35581950 | b? | 705 | 707 | 104 | Styrene → 68333000 |
| 41 | 89 | 74 | 97 | -2 | 41917000 | bb | 713 | 715 | 106 | m-Xylene |
| 42 | 97 | 84 | 99 | -1 | 80091880 | bv | 743 | 744 | 106 | o-/p-Xylene |

Interim Report Sample Analysis 03-APR-92 12:04:11

Datafile: EE1041 25-MAR-92 12:47
Database: CHCL3
Library: CHCL3

Instrument: VG#2
Account:
Text: VSTD050_

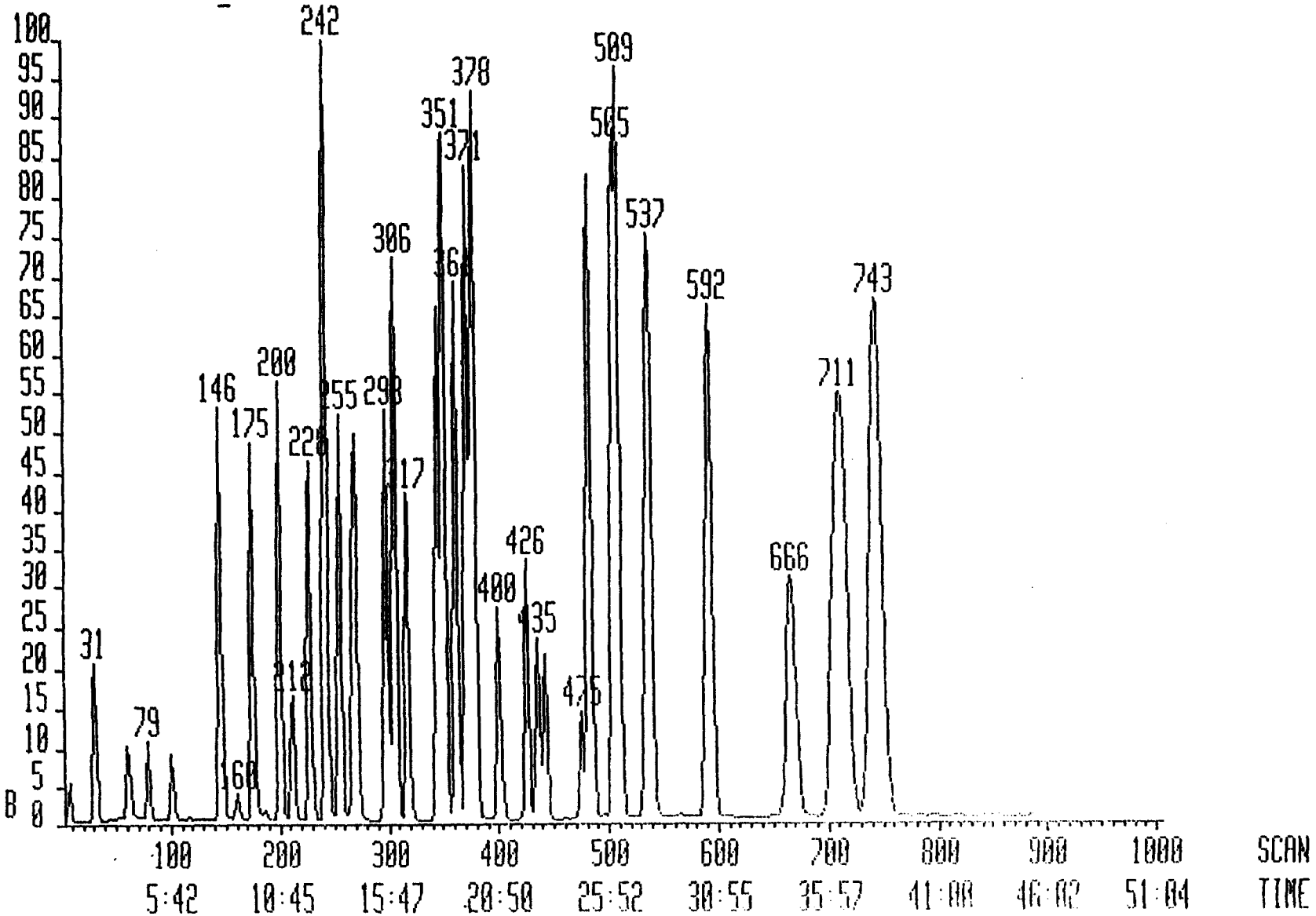
| No. | Rank | Spectrum Match | Spectrum Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 90 | 72 | 99 | 1 | 9677000 | bv | 211 | 210 | 128 | Bromochloromethane |
| 2 | 90 | 72 | 99 | 2 | 47713510 | bb* | 227 | 225 | 63 | 1,1-Dichloroethane |
| 3 | 90 | 81 | 99 | 5 | 42117300 | vv | 255 | 250 | 83 | Chloroform |
| 4 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

QRL
4/8/92
KD

EE1031 #5-890 25-MAR-92 11:56 VG#2 (EI+) Sys:VOA91 IHP

Chromatogram Identifiers : B1:35:260 B: 117819000

Text:VSTD100_



Interim Report  Sample Analysis  25-MAR-92  14:15:27

Datafile: EE1031  25-MAR-92  11:56  QRE
Database: VOA91Y
Library: VOA91

Instrument: VG#2
Account:
Text: VSTD100_

| No. | Rank | Spectrum Match | Spectrum Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 | 90 | 99 | 1 | 9866000 | bv | 212 | 211 | 128 | Bromochloromethane |
| 2 | 88 | 65 | 99 | 0 | 49705000 | bv | 268 | 268 | 65 | 1,2-Dichloroethane-d4 |
| 3 | 96 | 80 | 99 | 0 | 42138000 | bb* | 31 | 31 | 50 | Chloromethane |
| 4 | 98 | 85 | 99 | 0 | 14944830 | vb* | 61 | 61 | 94 | Bromomethane |
| 5 | 93 | 74 | 99 | 0 | 19416000 | bv* | 79 | 79 | 62 | Vinyl Chloride |
| 6 | 94 | 76 | 99 | 0 | 13831000 | bv* | 101 | 101 | 64 | Chloroethane |
| 7 | 99 | 88 | 98 | 0 | 51708000 | bv* | 146 | 146 | 84 | Methylene Chloride |
| 8 | 90 | 69 | 99 | 0 | 8344435 | vv | 160 | 160 | 43 | Acetone |
| 9 | 100 | 90 | 99 | 0 | 162638200 | vv* | 175 | 175 | 76 | Carbon Disulfide |
| 10 | 97 | 84 | 99 | -1 | 42901000 | vb* | 200 | 201 | 96 | 1,1-Dichloroethene |
| 11 | 70 | 73 | 99 | 18 | 98326270 | vb* | 228 | 210 | 63 | 1,1-Dichloroethane |
| | 52 | 0 | 99 | 1 | 205000 | vb | 211 | | | |
| 12 | 97 | 84 | 99 | -1 | 87889600 | vv* | 242 | 243 | 96 | 1,2-Dichloroethene (to |
| 13 | 57 | 11 | 97 | -1 | 10654000 | bv | 228 | 229 | 83 | Chloroform |
| 14 | 96 | 84 | 96 | 0 | 58687000 | vv | 271 | 271 | 62 | 1,2-Dichloroethane |
| 15 | 57 | 13 | 99 | -4 | 13639190 | vv | 267 | 271 | 43 | 2-Butanone |
| | 52 | 5 | 98 | 5 | 83625 | ?? | 276 | | | |
| | 50 | 5 | 98 | 7 | 21062 | ?? | 278 | | | |
| 16 | 81 | 59 | 99 | -3 | 66034820 | bv | 425 | 428 | 114 | 1,4-Difluorobenzene |
| 17 | 96 | 83 | 99 | -1 | 73544000 | bb | 298 | 299 | 97 | 1,1,1-Trichloroethane |
| 18 | 86 | 68 | 98 | -2 | 67282000 | vb | 305 | 307 | 117 | Carbon Tetrachloride |
| 19 | ---------- | No | Trace | Found | ---------- | | | 290 | 1 | |
| 20 | 93 | 77 | 99 | -1 | 67718020 | vv | 317 | 318 | 83 | Bromodichloromethane |
| 21 | 95 | 83 | 99 | -2 | 62747880 | vv | 345 | 347 | 63 | 1,2-Dichloropropane |
| 22 | 94 | 79 | 99 | -1 | 129891000 | bb | 351 | 352 | 75 | cis-1,3-Dichloropropen |
| 23 | 93 | 79 | 99 | -2 | 59225000 | bv | 361 | 363 | 130 | Trichloroethene |
| 24 | 72 | 35 | 99 | 0 | 52187000 | bv | 377 | 377 | 129 | Dibromochloromethane |
| 25 | 78 | 49 | 98 | -1 | 39736460 | vv | 379 | 380 | 97 | 1,1,2-Trichloroethane |
| 26 | 94 | 85 | 97 | -3 | 164766200 | bv* | 371 | 374 | 78 | Benzene |
| 27 | 61 | 16 | 99 | 0 | 26493000 | vv* | 378 | 378 | 75 | trans-1,3-dichloroprop |
| 28 | ---------- | No | Trace | Found | ---------- | | | 374 | 1 | |
| 29 | 100 | 90 | 99 | -1 | 31554000 | bv | 435 | 436 | 173 | Bromoform |
| 30 | 81 | 54 | 98 | 0 | 57282570 | bv | 534 | 534 | 117 | Chlorobenzene-d5 |
| 31 | 89 | 68 | 99 | 0 | 77132580 | vv | 666 | 666 | 95 | 4-Bromofluorobenzene |
| 32 | 83 | 63 | 99 | -3 | 149821000 | vv | 505 | 508 | 98 | Toluene-d8 |
| 33 | 95 | 87 | 97 | -3 | 30860900 | vv | 442 | 445 | 43 | 4-Methyl-2-Pentanone |
| 34 | 93 | 86 | 97 | -4 | 20564540 | vv | 475 | 479 | 43 | 2-Hexanone |
| 35 | 94 | 81 | 99 | -2 | 46955000 | bb | 481 | 483 | 164 | Tetrachloroethene |
| 36 | 77 | 47 | 99 | 1 | 49853150 | vv | 485 | 484 | 83 | 1,1,2,2-Tetrachloroeth |
| 37 | 92 | 80 | 99 | -3 | 195472800 | vv | 509 | 512 | 91 | Toluene |
| 38 | 86 | 69 | 99 | 3 | 122751700 | vv | 538 | 535 | 112 | Chlorobenzene |
| 39 | 95 | 79 | 99 | 0 | 69514910 | bv | 592 | 592 | 106 | Ethylbenzene |
| 40 | 93 | 78 | 99 | -1 | 140605600 | bb | 706 | 707 | 104 | Styrene |
| 41 | 95 | 78 | 99 | 0 | 45779300 | ?b | 715 | 715 | 106 | m-Xylene |
| 42 | 98 | 84 | 99 | 0 | 164454100 | bb | 744 | 744 | 106 | o-/p-Xylene |
| 43 | ---------- | No | Trace | Found | ---------- | | | 0 | - | |

USEC 3/25/92

86597000

Interim Report Sample Analysis 03-APR-92 12:03:24

Datafile: EE1031 25-MAR-92 11:56
Database: CHCL3
Library: CHCL3

Instrument: VG#2
Account:
Text: VSTD100_

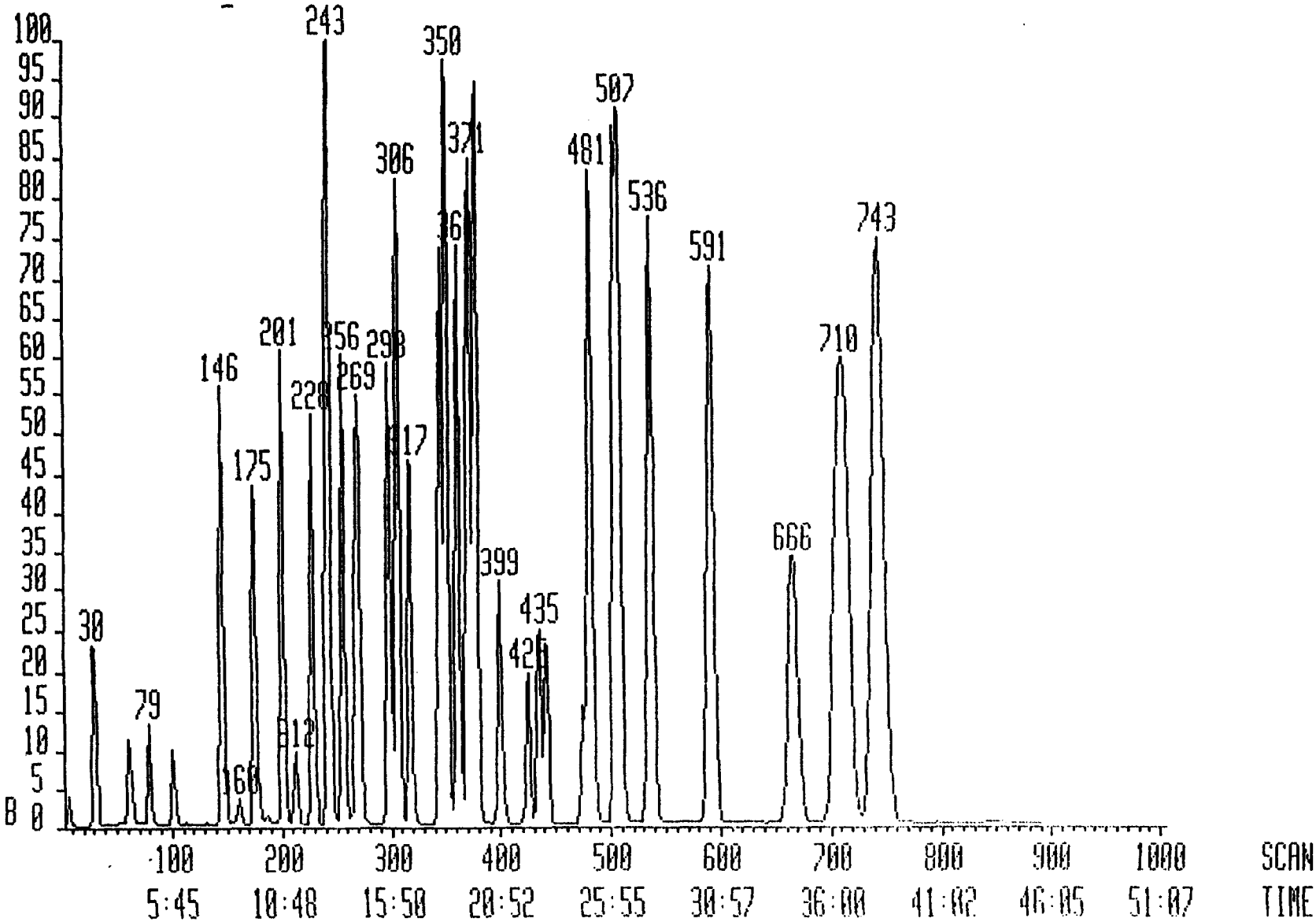
| No. | Rank | Spectrum Match | Spectrum Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 89 | 72 | 99 | 2 | 9866000 | bv | 212 | 210 | 128 | Bromochloromethane |
| 2 | 89 | 72 | 99 | 2 | 98458010 | bb* | 228 | 225 | 63 | 1,1-Dichloroethane |
| 3 | 91 | 82 | 99 | 5 | 87036930 | bv | 255 | 250 | 83 | Chloroform |
| 4 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

QNE
4/8/92
KD

EE1021 #5-889 25-MAR-92 10:52 VG#2 (EI+) Sys:VOA91 IHP

Chromatogram Identifiers : B1:35:260 B: 212932016

Text:VSTD200



Interim Report  Sample Analysis  25-MAR-92  14:10:11

Datafile: EE1021  25-MAR-92  10:52
Database: VOA91Y
Library: VOA91

Instrument: VG#2
Account:
Text: VSTD200_

| No. | Rank | Spectrum Match | Spectrum Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 99 | 89 | 99 | 1 | 10387000 | bv | 212 | 211 | 128 | Bromochloromethane |
| 2 | 89 | 67 | 99 | 0 | 100135000 | bv | 268 | 268 | 65 | 1,2-Dichloroethane-d4 |
| 3 | 96 | 80 | 99 | 0 | 89450200 | bv | 31 | 31 | 50 | Chloromethane |
| 4 | 100 | 88 | 99 | 0 | 28977540 | vb | 61 | 61 | 94 | Bromomethane |
| 5 | 94 | 77 | 99 | 0 | 44729890 | bv* | 79 | 79 | 62 | Vinyl Chloride |
| 6 | 95 | 79 | 99 | 0 | 28452870 | bv* | 101 | 101 | 64 | Chloroethane |
| 7 | 100 | 89 | 98 | 0 | 96811000 | vv* | 146 | 146 | 84 | Methylene Chloride |
| 8 | 92 | 73 | 99 | 0 | 15135870 | vv* | 160 | 160 | 43 | Acetone |
| 9 | 100 | 90 | 99 | -1 | 292394200 | vv* | 174 | 175 | 76 | Carbon Disulfide |
| | 100 | 90 | 99 | 1 | 292394200 | vv | 176 | | | |
| 10 | 98 | 84 | 99 | 0 | 87288000 | vv | 201 | 201 | 96 | 1,1-Dichloroethene |
| 11 | 70 | 73 | 99 | 18 | 200680900 | vb* | 228 | 210 | 63 | 1,1-Dichloroethane |
| | 52 | 0 | 99 | 2 | 235231 | ?b | 212 | | | |
| 12 | 97 | 84 | 99 | -1 | 179878400 | bv* | 242 | 243 | 96 | 1,2-Dichloroethene (to |
| 13 | 57 | 11 | 97 | -1 | 22414000 | bv | 228 | 229 | 83 | Chloroform |
| 14 | 95 | 82 | 96 | 0 | 116766100 | vv | 271 | 271 | 62 | 1,2-Dichloroethane |
| 15 | 56 | 10 | 99 | -3 | 27313840 | vv* | 268 | 271 | 43 | 2-Butanone |
| | 50 | 10 | 94 | 8 | 63480 | ?? | 279 | | | |
| | 47 | 11 | 91 | 10 | 50600 | ?? | 281 | | | |
| 16 | 81 | 58 | 99 | -3 | 65622240 | bv | 425 | 428 | 114 | 1,4-Difluorobenzene |
| 17 | 96 | 83 | 99 | -1 | 151534000 | bv | 298 | 299 | 97 | 1,1,1-Trichloroethane |
| 18 | 82 | 58 | 98 | -1 | 139089000 | vb | 306 | 307 | 117 | Carbon Tetrachloride |
| | 52 | 12 | 99 | -9 | 21634000 | bv | 298 | | | |
| 19 | ---------- No Trace Found ---------- | | | | | | | 290 | 1 | |
| 20 | 93 | 77 | 99 | -1 | 136650100 | bb* | 317 | 318 | 83 | Bromodichloromethane |
| 21 | 95 | 83 | 99 | -2 | 129075600 | vv | 345 | 347 | 63 | 1,2-Dichloropropane |
| 22 | 93 | 79 | 99 | -2 | 264409300 | vb | 350 | 352 | 75 | cis-1,3-Dichloropropen |
| 23 | 93 | 79 | 99 | -2 | 112546600 | bv | 361 | 363 | 130 | Trichloroethene |
| 24 | 73 | 41 | 98 | -1 | 99666980 | bv | 376 | 377 | 129 | Dibromochloromethane |
| 25 | 79 | 52 | 98 | -1 | 71623460 | vv | 379 | 380 | 97 | 1,1,2-Trichloroethane |
| 26 | 95 | 85 | 99 | -3 | 301699300 | bv* | 371 | 374 | 78 | Benzene |
| 27 | 61 | 17 | 98 | -1 | 53169780 | vv | 377 | 378 | 75 | trans-1,3-dichloroprop |
| | 44 | 10 | 93 | 15 | 2684 | ?? | 393 | | | |
| 28 | ---------- No Trace Found ---------- | | | | | | | 374 | 1 | |
| 29 | 100 | 91 | 99 | -1 | 61170000 | bv* | 435 | 436 | 173 | Bromoform |
| 30 | 80 | 56 | 98 | -2 | 56585570 | bv* | 532 | 534 | 117 | Chlorobenzene-d5 |
| 31 | 89 | 69 | 99 | -1 | 156246400 | bv | 665 | 666 | 95 | 4-Bromofluorobenzene |
| 32 | 82 | 63 | 99 | -4 | 277065200 | bv | 504 | 508 | 98 | Toluene-d8 |
| 33 | 94 | 88 | 98 | -4 | 63780000 | bv | 441 | 445 | 43 | 4-Methyl-2-Pentanone |
| 34 | 93 | 88 | 97 | -5 | 42638150 | vv | 474 | 479 | 43 | 2-Hexanone |
| 35 | 93 | 82 | 99 | -3 | 88991000 | bv | 480 | 483 | 164 | Tetrachloroethene |
| 36 | 78 | 47 | 99 | 0 | 95179620 | vv | 484 | 484 | 83 | 1,1,2,2-Tetrachloroeth |
| 37 | 93 | 81 | 99 | -3 | 331768600 | vv | 509 | 512 | 91 | Toluene |
| 38 | 90 | 73 | 99 | 2 | 255133700 | bv | 537 | 535 | 112 | Chlorobenzene |
| 39 | 93 | 78 | 99 | -1 | 146607600 | bv | 591 | 592 | 106 | Ethylbenzene |
| 40 | 93 | 77 | 99 | -1 | 287821100 | bb | 706 | 707 | 104 | Styrene |
| 41 | 93 | 78 | 98 | -1 | 172829100 | bb | 714 | 715 | 106 | m-Xylene |
| 42 | 97 | 85 | 99 | -1 | 333007800 | bv | 743 | 744 | 106 | o-/p-Xylene |
| 43 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

Interim Report Sample Analysis 03-APR-92 12:02:38

Datafile: EE1021 25-MAR-92 10:52
Database: CHCL3
Library: CHCL3

Instrument: VG#2
Account:
Text: VSTD200_

| No. | Rank | Spectrum Match | Spectrum Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 89 | 72 | 99 | 2 | 10387000 | bv | 212 | 210 | 128 | Bromochloromethane |
| 2 | 89 | 73 | 99 | 3 | 200986000 | bb* | 228 | 225 | 63 | 1,1-Dichloroethane |
| 3 | 90 | 83 | 99 | 6 | 180852600 | vv | 256 | 250 | 83 | Chloroform |
| 4 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

Q.K. 4/8/92

7A

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.: SAS No.: SDG No.:

Instrument ID: VG#2 Calibration Date: 03/31/92 Time: 0653

Lab File ID: FF1011 Init. Calib. Date(s): 03/25/92 03/25/92

Heated Purge: (Y/N) N Init. Calib. Times: 1052 1423

GC Column: 1%SP1000 ID: 2 (mm)

| COMPOUND | RRF | RRF50 | MIN RRF | %D | MAX %D |
|---|---|---|---|---|---|
| Chloromethane | 2.127 | 2.760 | | -30.0 | |
| Bromomethane | 0.738 | 0.743 | 0.100 | -1.0 | 25.0 |
| Vinyl Chloride | 0.986 | 1.179 | 0.100 | -20.0 | 25.0 |
| Chloroethane | 0.694 | 0.750 | | -8.0 | |
| Methylene Chloride | 3.911 | 2.699 | | 31.0 | |
| Acetone | 0.552 | 0.398 | | 28.0 | |
| Carbon Disulfide | 8.415 | 8.271 | | 2.0 | |
| 1,1-Dichloroethene | 2.254 | 2.411 | 0.100 | -7.0 | 25.0 |
| 1,1-Dichloroethane | 4.929 | 4.963 | 0.200 | -1.0 | 25.0 |
| 1,2-Dichloroethene (total) | 2.280 | 2.701 | | -18.0 | |
| Chloroform | 4.380 | 4.529 | 0.200 | -3.0 | 25.0 |
| 1,2-Dichloroethane | 3.098 | 2.497 | 0.100 | 19.0 | 25.0 |
| 2-Butanone | 0.692 | 0.717 | | -4.0 | |
| 1,1,1-Trichloroethane | 0.598 | 0.531 | 0.100 | 11.0 | 25.0 |
| Carbon Tetrachloride | 0.542 | 0.474 | 0.100 | 13.0 | 25.0 |
| Bromodichloromethane | 0.530 | 0.506 | 0.200 | 5.0 | 25.0 |
| 1,2-Dichloropropane | 0.498 | 0.403 | | 19.0 | |
| cis-1,3-Dichloropropene | 1.020 | 1.016 | 0.200 | 0.0 | 25.0 |
| Trichloroethene | 0.460 | 0.451 | 0.300 | 2.0 | 25.0 |
| Dibromochloromethane | 0.404 | 0.370 | 0.100 | 8.0 | 25.0 |
| 1,1,2-Trichloroethane | 0.313 | 0.303 | 0.100 | 3.0 | 25.0 |
| Benzene | 1.284 | 1.487 | 0.500 | -16.0 | 25.0 |
| trans-1,3-dichloropropene | 0.204 | 0.194 | 0.100 | 5.0 | 25.0 |
| Bromoform | 0.237 | 0.217 | 0.100 | 8.0 | 25.0 |
| 4-Methyl-2-Pentanone | 0.268 | 0.308 | | -15.0 | |
| 2-Hexanone | 0.179 | 0.224 | | -25.0 | |
| Tetrachloroethene | 0.420 | 0.407 | 0.200 | 3.0 | 25.0 |
| 1,1,2,2-Tetrachloroethane | 0.439 | 0.481 | 0.500 | -10.0 | 25.0 |
| Toluene | 1.791 | 1.737 | 0.400 | 3.0 | 25.0 |
| Chlorobenzene | 1.115 | 1.186 | 0.500 | -6.0 | 25.0 |
| Ethylbenzene | 0.623 | 0.631 | 0.100 | -1.0 | 25.0 |
| Styrene | 1.234 | 1.198 | 0.300 | 3.0 | 25.0 |
| Xylene (total) | 0.757 | 0.752 | 0.300 | 1.0 | 25.0 |
| Toluene-d8 | 1.300 | 1.260 | | 3.0 | |
| 4-Bromofluorobenzene | 0.671 | 0.613 | 0.200 | 9.0 | 25.0 |
| 1,2-Dichloroethane-d4 | 2.487 | 2.183 | | 12.0 | |

All other compounds must meet a minimum RRF of 0.010.

7A

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACIFIC ANALYTICAL  Contract:

Lab Code: PACIF  Case No.:  SAS No.:  SDG No.:

Instrument ID: VG#2  Calibration Date: 03/31/92  Time: 0653

Lab File ID: FF1011  Init. Calib. Date(s): 03/25/92  03/25/92

Heated Purge: (Y/N) N  Init. Calib. Times: 1052  1423

GC Column: 1%SP1000  ID: 2 (mm)

| COMPOUND | RRF | RRF50 | MIN RRF | %D | MAX %D |
|---|---|---|---|---|---|
| Chloromethane | 2.127 | 2.760 | | -30.0 | |
| Bromomethane | 0.738 | 0.743 | 0.100 | -1.0 | 25.0 |
| Vinyl Chloride | 0.986 | 1.179 | 0.100 | -20.0 | 25.0 |
| Chloroethane | 0.694 | 0.750 | | -8.0 | |
| Methylene Chloride | 3.911 | 2.699 | | 31.0 | |
| Acetone | 0.552 | 0.398 | | 28.0 | |
| Carbon Disulfide | 8.415 | 8.271 | | 2.0 | |
| 1,1-Dichloroethene | 2.254 | 2.411 | 0.100 | -7.0 | 25.0 |
| 1,1-Dichloroethane | 4.929 | 4.963 | 0.200 | -1.0 | 25.0 |
| 1,2-Dichloroethene (total) | 2.280 | 2.701 | | -18.0 | |
| Chloroform | 4.380 | 4.529 | 0.200 | -3.0 | 25.0 |
| 1,2-Dichloroethane | 3.098 | 2.497 | 0.100 | 19.0 | 25.0 |
| 2-Butanone | 0.692 | 0.717 | | -4.0 | |
| 1,1,1-Trichloroethane | 0.598 | 0.531 | 0.100 | 11.0 | 25.0 |
| Carbon Tetrachloride | 0.542 | 0.474 | 0.100 | 13.0 | 25.0 |
| Bromodichloromethane | 0.530 | 0.506 | 0.200 | 5.0 | 25.0 |
| 1,2-Dichloropropane | 0.498 | 0.403 | | 19.0 | |
| cis-1,3-Dichloropropene | 1.020 | 1.016 | 0.200 | 0.0 | 25.0 |
| Trichloroethene | 0.460 | 0.451 | 0.300 | 2.0 | 25.0 |
| Dibromochloromethane | 0.404 | 0.370 | 0.100 | 8.0 | 25.0 |
| 1,1,2-Trichloroethane | 0.313 | 0.303 | 0.100 | 3.0 | 25.0 |
| Benzene | 1.284 | 1.487 | 0.500 | -16.0 | 25.0 |
| trans-1,3-dichloropropene | 0.204 | 0.194 | 0.100 | 5.0 | 25.0 |
| Bromoform | 0.237 | 0.217 | 0.100 | 8.0 | 25.0 |
| 4-Methyl-2-Pentanone | 0.268 | 0.308 | | -15.0 | |
| 2-Hexanone | 0.179 | 0.224 | | -25.0 | |
| Tetrachloroethene | 0.420 | 0.407 | 0.200 | 3.0 | 25.0 |
| 1,1,2,2-Tetrachloroethane | 0.439 | 0.481 | 0.500 | -10.0 | 25.0 |
| Toluene | 1.791 | 1.737 | 0.400 | 3.0 | 25.0 |
| Chlorobenzene | 1.115 | 1.186 | 0.500 | -6.0 | 25.0 |
| Ethylbenzene | 0.623 | 0.631 | 0.100 | -1.0 | 25.0 |
| Styrene | 1.234 | 1.198 | 0.300 | 3.0 | 25.0 |
| Xylene (total) | 0.757 | 0.752 | 0.300 | 1.0 | 25.0 |
| Toluene-d8 | 1.300 | 1.260 | | 3.0 | |
| 4-Bromofluorobenzene | 0.671 | 0.613 | 0.200 | 9.0 | 25.0 |
| 1,2-Dichloroethane-d4 | 2.487 | 2.183 | | 12.0 | |

All other compounds must meet a minimum RRF of 0.010.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VSTD050

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 00050

Sample wt/vol: 5.0(g/mL) ML Lab File ID: FF1011

Level: (low/med) LOW Date Received: 03/10/92

% Moisture: not dec. 0 Date Analyzed: 03/31/92

GC Column: 1%SP1000 ID: 2 (mm) Dilution Factor: 1.0

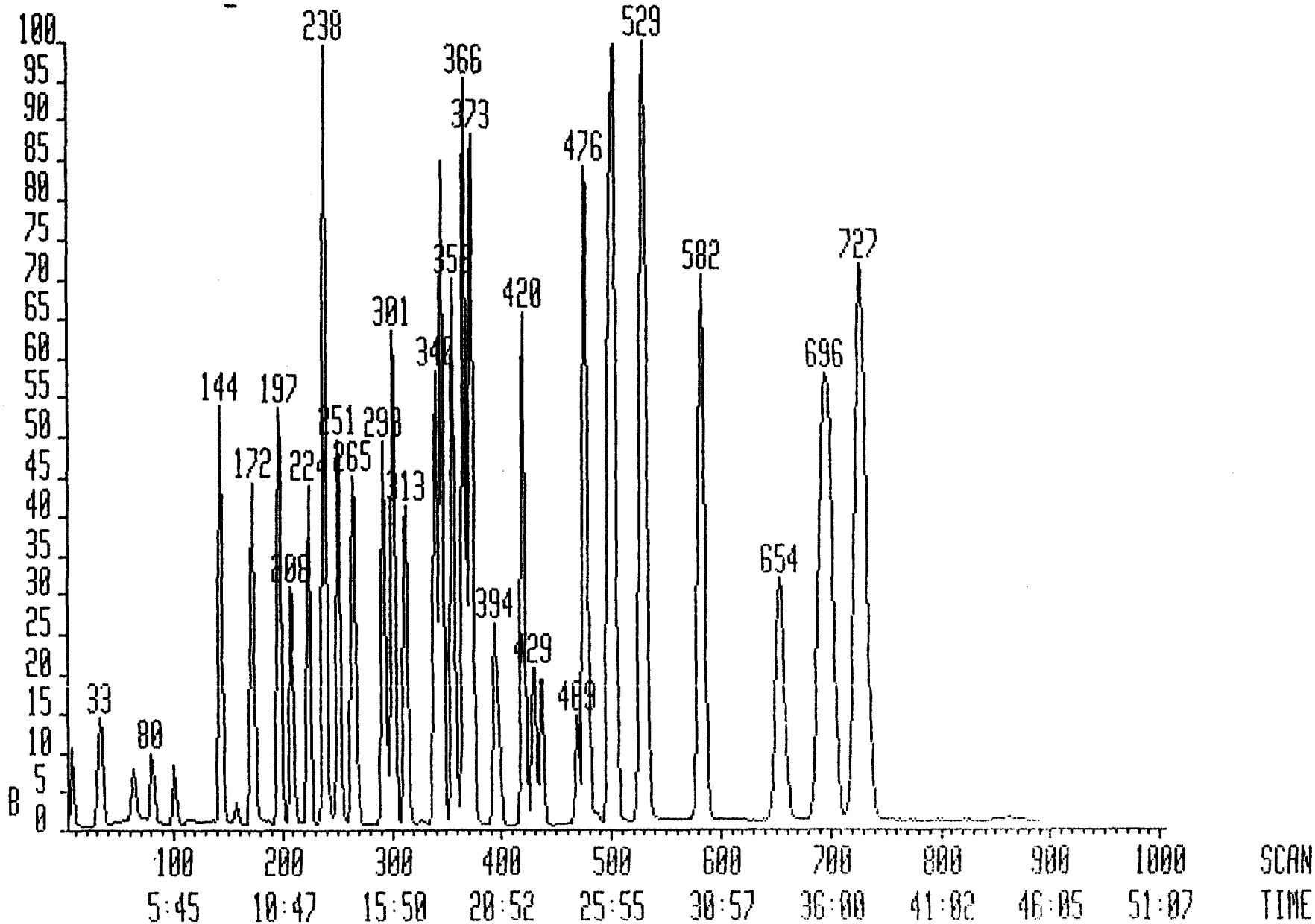
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 50 | |
| 74-83-9 | Bromomethane | 50 | |
| 75-01-4 | Vinyl Chloride | 50 | |
| 75-00-3 | Chloroethane | 50 | |
| 75-09-2 | Methylene Chloride | 50 | |
| 67-64-1 | Acetone | 50 | |
| 75-15-0 | Carbon Disulfide | 50 | |
| 75-35-4 | 1,1-Dichloroethene | 50 | |
| 75-35-3 | 1,1-Dichloroethane | 50 | |
| 156-60-5 | 1,2-Dichloroethene (total) | 100 | |
| 67-66-3 | Chloroform | 50 | |
| 107-06-2 | 1,2-Dichloroethane | 50 | |
| 78-93-3 | 2-Butanone | 50 | |
| 71-55-6 | 1,1,1-Trichloroethane | 50 | |
| 56-23-5 | Carbon Tetrachloride | 50 | |
| 75-27-4 | Bromodichloromethane | 50 | |
| 78-87-5 | 1,2-Dichloropropane | 50 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 50 | |
| 79-01-6 | Trichloroethene | 50 | |
| 124-48-1 | Dibromochloromethane | 50 | |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | |
| 71-43-2 | Benzene | 50 | |
| 10061-02-6 | trans-1,3-dichloropropene | 50 | |
| 75-25-2 | Bromoform | 50 | |
| 591-78-6 | 4-Methyl-2-Pentanone | 50 | |
| 108-10-1 | 2-Hexanone | 50 | |
| 127-18-4 | Tetrachloroethene | 50 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | |
| 108-88-3 | Toluene | 50 | |
| 108-90-7 | Chlorobenzene | 50 | |
| 100-41-4 | Ethylbenzene | 50 | |
| 100-42-5 | Styrene | 50 | |
| 1330-20-7 | Xylene (total) | 140 | |

FF1011 #5-889 31-MAR-92 06:53 VG#2 (EI+) Sys:VOA91 IHP

Chromatogram Identifiers : B1:35:260 B: 65906000

Text:VSTD050



Interim Report Sample Analysis 31-MAR-92 07:58:54

Datafile: FF1011 31-MAR-92 06:53
Database: VOA91C
Library: VOA91

Instrument: VG#2
Account:
Text: VSTD050_

| No. | Rank | Spectrum Match | Fit | Scan Diff | Peak Area | Flgs | Scan Found | Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 94 | 91 | 99 | -6 | 9985000 | bv | 208 | 214 | 128 | Bromochloromethane |
| 2 | 84 | 64 | 99 | 3 | 21800000 | bv* | 264 | 261 | 65 | 1,2-Dichloroethane-d4 |
| 3 | 93 | 80 | 99 | -2 | 27554000 | bv* | 32 | 34 | 50 | Chloromethane |
| 4 | 93 | 79 | 99 | -2 | 7415700 | vv | 63 | 65 | 94 | Bromomethane |
| 5 | 91 | 73 | 99 | -1 | 11768000 | bv* | 80 | 81 | 62 | Vinyl Chloride |
| 6 | 92 | 75 | 99 | -1 | 7489000 | bv | 101 | 102 | 64 | Chloroethane |
| 7 | 99 | 88 | 97 | 0 | 26945000 | vv | 144 | 144 | 84 | Methylene Chloride |
| 8 | 90 | 69 | 99 | 0 | 3978000 | bb* | 158 | 158 | 43 | Acetone |
| 9 | 100 | 90 | 99 | 0 | 82586740 | bv | 172 | 172 | 76 | Carbon Disulfide |
| 10 | 97 | 84 | 99 | 1 | 24076000 | bv | 197 | 196 | 96 | 1,1-Dichloroethene |
| 11 | 92 | 73 | 99 | 0 | 49558150 | bv* | 224 | 224 | 63 | 1,1-Dichloroethane |
| 12 | 97 | 84 | 99 | 1 | 53930080 | vv* | 238 | 237 | 96 | 1,2-Dichloroethene (to |
| 13 | 58 | 11 | 97 | 0 | ~~5574000~~ | ~~bv~~ | 224 | ~~224~~ 250 | 83 | Chloroform |
| | 38 | 3 | 75 | 7 | 17000 | ?? | 231 | | | |
| 14 | 91 | 78 | 97 | 2 | 24935180 | vb | 266 | 264 | 62 | 1,2-Dichloroethane |
| 15 | 58 | 13 | 99 | 2 | 7157000 | vb* | 263 | 261 | 43 | 2-Butanone |
| | 44 | 2 | 99 | -14 | 98000 | ?? | 247 | | | |
| | 44 | 10 | 94 | 16 | 11000 | ?? | 277 | | | |
| 16 | 78 | 59 | 99 | 6 | 70862810 | bv* | 420 | 414 | 114 | 1,4-Difluorobenzene |
| 17 | 95 | 84 | 99 | -2 | 37601000 | bv | 293 | 295 | 97 | 1,1,1-Trichloroethane |
| 18 | 88 | 73 | 98 | -3 | 33560000 | vv | 300 | 303 | 117 | Carbon Tetrachloride |
| 19 | ---------- | No | Trace | Found | ---------- | | | 290 | 1 | |
| 20 | 92 | 77 | 99 | -2 | 35849130 | vv | 313 | 315 | 83 | Bromodichloromethane |
| 21 | 96 | 82 | 99 | -1 | 28533000 | bv | 340 | 341 | 63 | 1,2-Dichloropropane |
| 22 | 93 | 80 | 99 | -2 | 71967000 | bb | 345 | 347 | 75 | cis-1,3-Dichloropropen |
| 23 | 94 | 80 | 99 | -1 | 31941000 | bv | 356 | 357 | 130 | Trichloroethene |
| 24 | 73 | 42 | 99 | -2 | 26238000 | bb | 371 | 373 | 129 | Dibromochloromethane |
| 25 | 81 | 55 | 99 | -1 | 21463000 | vv | 374 | 375 | 97 | 1,1,2-Trichloroethane |
| 26 | 96 | 86 | 96 | -1 | 105352000 | bv* | 366 | 367 | 78 | Benzene |
| 27 | 60 | 16 | 99 | -2 | 13767580 | vv* | 372 | 374 | 75 | trans-1,3-dichloroprop |
| | 38 | 5 | 85 | 16 | 1235 | ?? | 390 | | | |
| 28 | ---------- | No | Trace | Found | ---------- | | | 372 | 1 | |
| 29 | 99 | 89 | 99 | -1 | 15408000 | bb | 429 | 430 | 173 | Bromoform |
| 30 | 84 | 62 | 98 | -1 | 63664200 | bv* | 527 | 528 | 117 | Chlorobenzene-d5 |
| 31 | 86 | 68 | 99 | -3 | 39005390 | bv | 654 | 657 | 95 | 4-Bromofluorobenzene |
| 32 | 84 | 63 | 99 | 2 | 80219610 | vv | 499 | 497 | 98 | Toluene-d8 |
| 33 | 99 | 89 | 99 | 1 | 19635280 | bv | 437 | 436 | 43 | 4-Methyl-2-Pentanone |
| 34 | 100 | 88 | 99 | 0 | 14265000 | vv | 469 | 469 | 43 | 2-Hexanone |
| 35 | 91 | 74 | 99 | 1 | 25942000 | bb | 476 | 475 | 164 | Tetrachloroethene |
| 36 | 78 | 49 | 99 | 1 | 30650000 | vv* | 479 | 478 | 83 | 1,1,2,2-Tetrachloroeth |
| 37 | 94 | 80 | 99 | 1 | 110604700 | bv | 503 | 502 | 91 | Toluene |
| 38 | 88 | 66 | 99 | 0 | 75476200 | bv* | 531 | 531 | 112 | Chlorobenzene |
| 39 | 93 | 78 | 99 | -1 | 40153000 | bv | 582 | 583 | 106 | Ethylbenzene |
| 40 | 90 | 81 | 99 | -5 | 76259510 | bb | 691 | 696 | 104 | Styrene |
| 41 | 86 | 76 | 98 | -6 | 47845000 | bb | 699 | 705 | 106 | m-Xylene |
| 42 | 90 | 84 | 99 | -6 | 90415040 | bv | 728 | 734 | 106 | o-/p-Xylene |
| 43 | ---------- | No | Trace | Found | ---------- | | | 0 | - | |

Interim Report Sample Analysis 03-APR-92 12:27:33

Datafile: FF1011 31-MAR-92 06:53
Database: CHCL3
Library: CHCL3

Instrument: VG#2
Account:
Text: VSTD050_

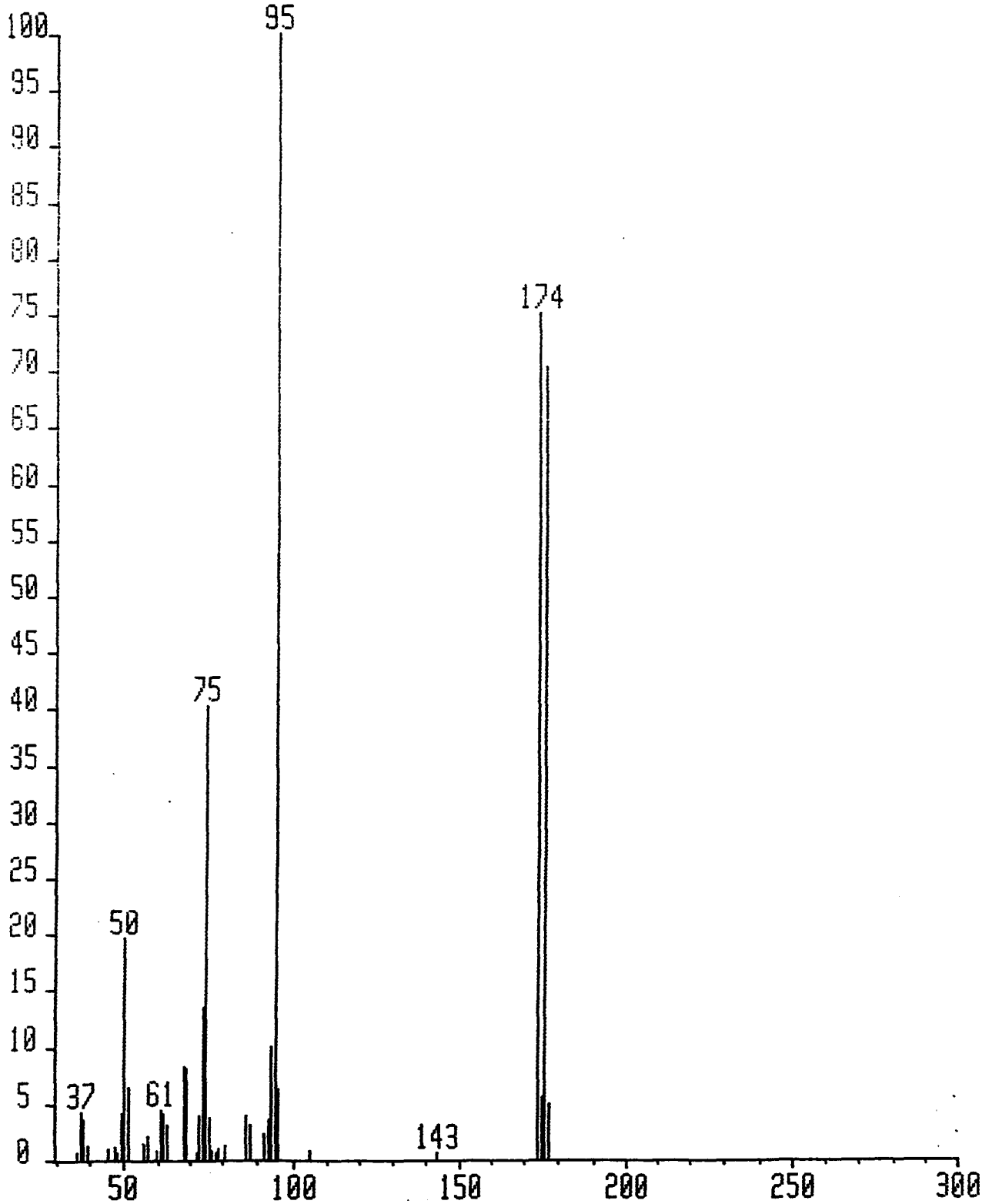
| No. | Rank | Spectrum Match | Scan Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 91 | 75 | 99 | -2 | 9985000 | bv | 208 | 210 | 128 | Bromochloromethane |
| 2 | 93 | 73 | 99 | -1 | 49541480 | bv* | 224 | 225 | 63 | 1,1-Dichloroethane |
| 3 | 96 | 82 | 99 | 1 | 45225270 | vv | 251 | 250 | 83 | Chloroform |
| 4 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

QNE
4/8/92
KD

RF chloroform

$\frac{45225270 \times 50}{9985000} = 4.529$

BFBTUNS#1 x1 Bgd=650 25-MAR-92 14:26+0:34:12 EI+
I=242mv TIC=6947000 AV SU Acnt:
Text:03/25/92 _TIME_0956_ EE1011_AVE_(665-667)-



BFBTUNS#1 x1 Bgd=650 25-MAR-92 14:26+0:34:12 VG#2 EI+ 1.
BpM=95 I=242mv Hm=294 TIC=6947000 AV SU Acnt: Sys:VOA91
Text:03/25/92 _TIME_0956 _ EE1011_AVE_(665-667)-SCPT=0 Cal:

| Mass | Abs. Ht | % Mass |
|---|---|---|
| 36 | 9000 | 0.6 |
| 37 | 66000 | 4.2 |
| 38 | 55000 | 3.5 |
| 39 | 19000 | 1.2 |
| 42 | 2000 | 0.1 |
| 44 | 2000 | 0.1 |
| 45 | 14000 | 0.9 |
| 47 | 17000 | 1.1 |
| 48 | 9000 | 0.6 |
| 49 | 64000 | 4.0 |
| 50 | 311000 | 19.6 |
| 51 | 99000 | 6.2 |
| 52 | 7000 | 0.4 |
| 55 | 5000 | 0.3 |
| 56 | 20000 | 1.3 |
| 57 | 31000 | 2.0 |
| 58 | 2000 | 0.1 |
| 60 | 11000 | 0.7 |
| 61 | 68000 | 4.3 |
| 62 | 64000 | 4.0 |
| 63 | 47000 | 3.0 |
| 64 | 6000 | 0.4 |
| 67 | 2000 | 0.1 |
| 68 | 128000 | 8.1 |
| 69 | 127000 | 8.0 |
| 70 | 5000 | 0.3 |
| 72 | 8000 | 0.5 |
| 73 | 60000 | 3.8 |
| 74 | 214000 | 13.5 |
| 75 | 640000 | 40.3 |
| 76 | 58000 | 3.7 |
| 77 | 10000 | 0.6 |
| 78 | 8000 | 0.5 |
| 79 | 14000 | 0.9 |
| 80 | 5000 | 0.3 |
| 81 | 19000 | 1.2 |
| 82 | 2000 | 0.1 |
| 87 | 61000 | 3.8 |
| 88 | 48000 | 3.0 |
| 89 | 2000 | 0.1 |
| 91 | 4000 | 0.3 |
| 92 | 33000 | 2.1 |
| 93 | 56000 | 3.5 |
| 94 | 157000 | 9.9 |
| 95 | 1589000 | 100.0 |
| 96 | 97000 | 6.1 |
| 97 | 2000 | 0.1 |
| 103 | 2000 | 0.1 |
| 104 | 6000 | 0.4 |
| 105 | 11000 | 0.7 |
| 106 | 7000 | 0.4 |
| 107 | 2000 | 0.1 |
| 111 | 2000 | 0.1 |
| 112 | 3000 | 0.2 |
| 113 | 4000 | 0.3 |
| 115 | 5000 | 0.3 |

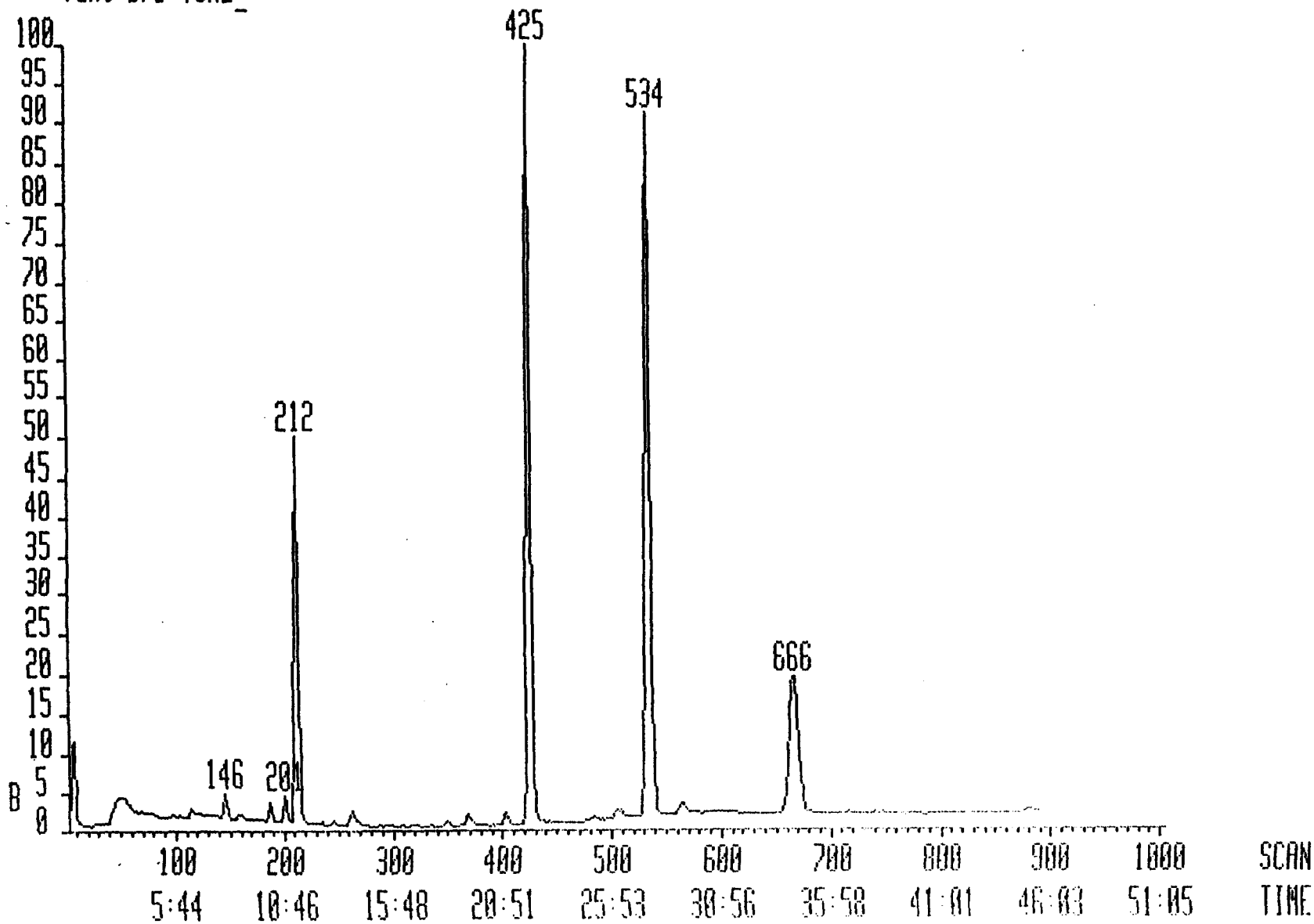
BFBTUNS#1 x1 Bgd=650 25-MAR-92 14:26+0:34:12 VG#2 EI+ 1.
BpM=95 I=242mv Hm=294 TIC=6947000 AV SU Acnt: Sys:VOA91
Text:03/25/92 _TIME_0956 _ EE1011_AVE_(665-667)-SCPT=0 Cal:

| Mass | Abs. Ht | % Mass |
|---|---|---|
| 116 | 5000 | 0.3 |
| 117 | 7000 | 0.4 |
| 118 | 5000 | 0.3 |
| 119 | 2000 | 0.1 |
| 120 | 5000 | 0.3 |
| 125 | 4000 | 0.3 |
| 128 | 6000 | 0.4 |
| 129 | 5000 | 0.3 |
| 130 | 5000 | 0.3 |
| 131 | 2000 | 0.1 |
| 132 | 4000 | 0.3 |
| 133 | 3000 | 0.2 |
| 135 | 6000 | 0.4 |
| 137 | 5000 | 0.3 |
| 141 | 5000 | 0.3 |
| 143 | 9000 | 0.6 |
| 144 | 4000 | 0.3 |
| 145 | 4000 | 0.3 |
| 146 | 5000 | 0.3 |
| 147 | 5000 | 0.3 |
| 148 | 5000 | 0.3 |
| 153 | 5000 | 0.3 |
| 155 | 5000 | 0.3 |
| 156 | 5000 | 0.3 |
| 157 | 5000 | 0.3 |
| 159 | 4000 | 0.3 |
| 173 | 6000 | 0.4 |
| 174 | 1192000 | 75.0 |
| 175 | 86000 | 5.4 |
| 176 | 1116000 | 70.2 |
| 177 | 77000 | 4.8 |
| 178 | 3000 | 0.2 |
| 222 | 5000 | 0.3 |
| 254 | 4000 | 0.3 |

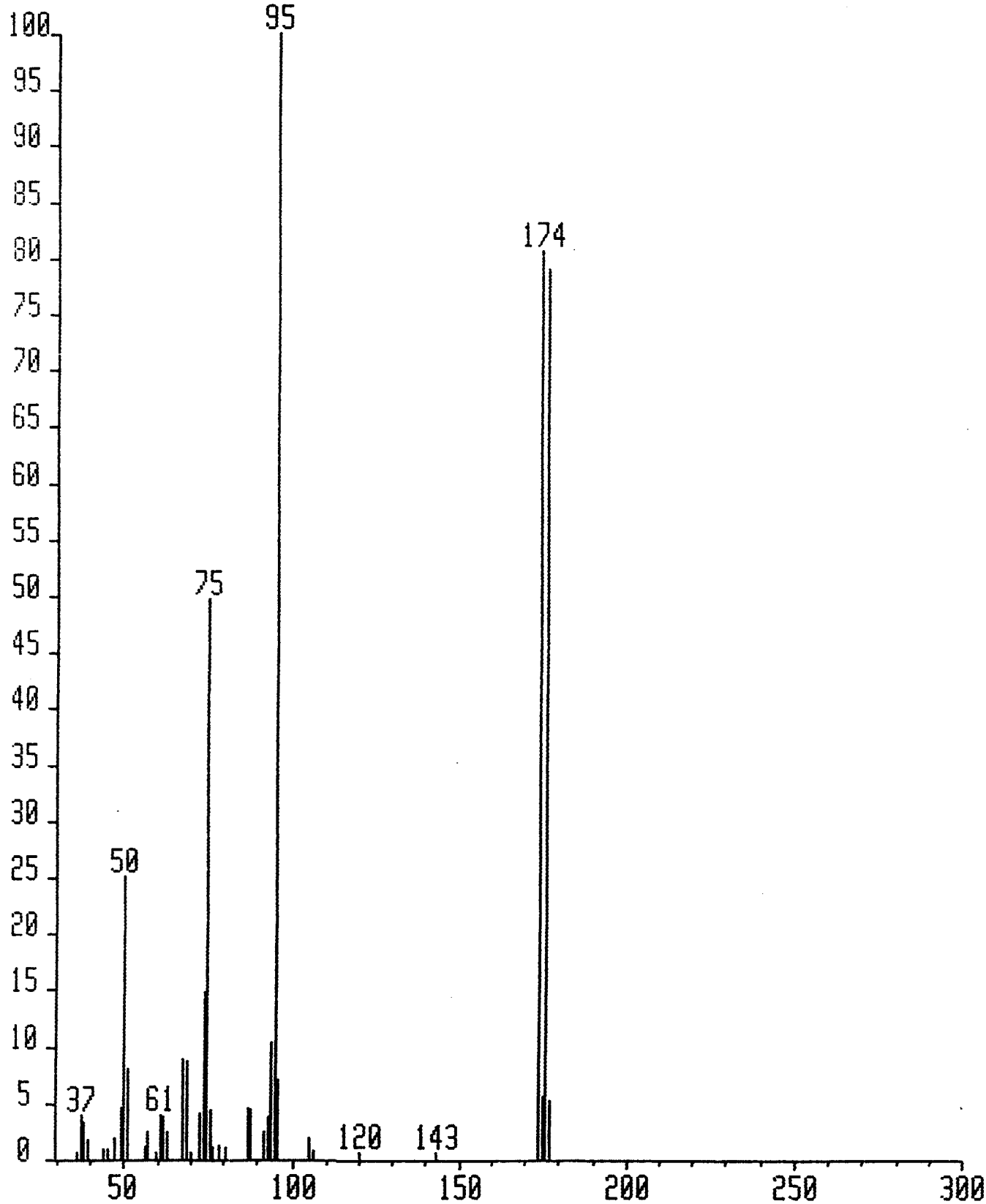
EE1011 #5-889 25-MAR-92 09:56 VG#2 (EI+) Sys:VOA91 IHP

Chromatogram Identifiers : 81:35:260 B: 40229000

Text:BFB TUNE_



BFBTUNS#1 x1 Bgd=410 31-MAR-92 05:47+0:21:40 EI+
I=241mv TIC=7516000 AV SU Acnt:
Text:03/31/92 _TIME_0505_ BFB2011_AVE_(416-418)



BFBTUNS#1 x1 Bgd=410 31-MAR-92 05:47+0:21:40 VG#2 EI+ 1.1
BpM=95 I=241mv Hm=294 TIC=7516000 AV SU Acnt: Sys:BFB91
Text:03/31/92 _TIME_0505 _ BFB2011_AVE_(416-418)-SPT=0 Cal:

| Mass | Abs. Ht | % Mass |
|---|---|---|
| 36 | 9000 | 0.6 |
| 37 | 61000 | 3.9 |
| 38 | 51000 | 3.2 |
| 39 | 27000 | 1.7 |
| 43 | 4000 | 0.3 |
| 44 | 14000 | 0.9 |
| 45 | 12000 | 0.8 |
| 47 | 28000 | 1.8 |
| 48 | 7000 | 0.4 |
| 49 | 71000 | 4.5 |
| 50 | 396000 | 25.0 |
| 51 | 126000 | 8.0 |
| 52 | 7000 | 0.4 |
| 55 | 3000 | 0.2 |
| 56 | 17000 | 1.1 |
| 57 | 36000 | 2.3 |
| 58 | 3000 | 0.2 |
| 60 | 8000 | 0.5 |
| 61 | 60000 | 3.8 |
| 62 | 57000 | 3.6 |
| 63 | 37000 | 2.3 |
| 64 | 5000 | 0.3 |
| 67 | 2000 | 0.1 |
| 68 | 138000 | 8.7 |
| 69 | 136000 | 8.6 |
| 70 | 8000 | 0.5 |
| 72 | 6000 | 0.4 |
| 73 | 62000 | 3.9 |
| 74 | 233000 | 14.7 |
| 75 | 786000 | 49.6 |
| 76 | 68000 | 4.3 |
| 77 | 16000 | 1.0 |
| 78 | 6000 | 0.4 |
| 79 | 18000 | 1.1 |
| 80 | 5000 | 0.3 |
| 81 | 15000 | 0.9 |
| 82 | 2000 | 0.1 |
| 87 | 72000 | 4.5 |
| 88 | 67000 | 4.2 |
| 91 | 4000 | 0.3 |
| 92 | 38000 | 2.4 |
| 93 | 58000 | 3.7 |
| 94 | 163000 | 10.3 |
| 95 | 1584000 | 100.0 |
| 96 | 111000 | 7.0 |
| 97 | 2000 | 0.1 |
| 103 | 5000 | 0.3 |
| 104 | 5000 | 0.3 |
| 105 | 30000 | 1.9 |
| 106 | 11000 | 0.7 |
| 107 | 4000 | 0.3 |
| 115 | 4000 | 0.3 |
| 116 | 4000 | 0.3 |
| 117 | 7000 | 0.4 |
| 118 | 5000 | 0.3 |
| 119 | 3000 | 0.2 |

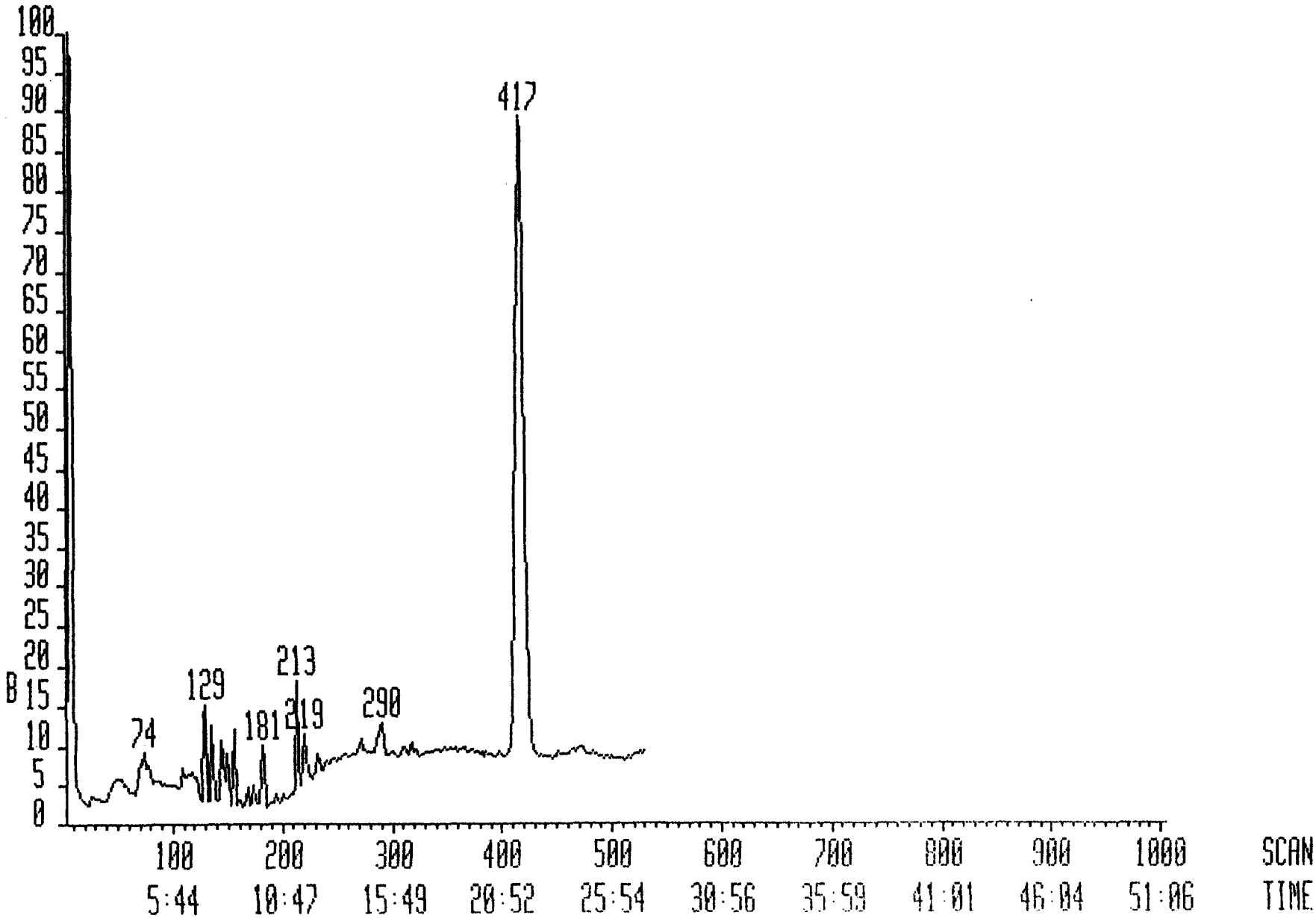
BFBTUNS#1 x1 Bgd=410 31-MAR-92 05:47+0:21:40 VG#2 EI+ 1.2
BpM=95 I=241mv Hm=294 TIC=7516000 AV SU Acnt: Sys:BFB91
Text:03/31/92 _TIME_0505 _ BFB2011_AVE_(416-418)-SPT=0 Cal:

| Mass | Abs. Ht | % Mass |
|---|---|---|
| 120 | 9000 | 0.6 |
| 121 | 3000 | 0.2 |
| 123 | 4000 | 0.3 |
| 128 | 3000 | 0.2 |
| 129 | 4000 | 0.3 |
| 130 | 5000 | 0.3 |
| 134 | 3000 | 0.2 |
| 135 | 3000 | 0.2 |
| 137 | 3000 | 0.2 |
| 141 | 5000 | 0.3 |
| 143 | 8000 | 0.5 |
| 144 | 3000 | 0.2 |
| 146 | 4000 | 0.3 |
| 148 | 5000 | 0.3 |
| 153 | 3000 | 0.2 |
| 155 | 5000 | 0.3 |
| 157 | 3000 | 0.2 |
| 159 | 3000 | 0.2 |
| 173 | 6000 | 0.4 |
| 174 | 1277000 | 80.6 |
| 175 | 86000 | 5.4 |
| 176 | 1251000 | 79.0 |
| 177 | 80000 | 5.1 |
| 178 | 3000 | 0.2 |
| 185 | 3000 | 0.2 |
| 186 | 3000 | 0.2 |
| 255 | 3000 | 0.2 |

BFB2011 #5-530 31-MAR-92 05:05 VG#2 (EI+) Sys:BFB91 IHP

Chromatogram Identifiers : B1:35:260 B: 10369000

Text:



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 00000

Sample wt/vol: 5.0(g/mL) ML Lab File ID: FF1031

Level: (low/med) LOW Date Received: 03/10/92

% Moisture: not dec. 0 Date Analyzed: 03/31/92

GC Column: 1%SP1000 ID: 2 (mm) Dilution Factor: 1.0

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

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-35-3 | 1,1-Dichloroethane | 10 | U |
| 156-60-5 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 591-78-6 | 4-Methyl-2-Pentanone | 10 | U |
| 108-10-1 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylene (total) | 10 | U |

1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.. SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 00000

Sample wt/vol: 5.0(g/mL) ML Lab File ID: FF1031

Level: (low/med) LOW Date Received: 03/10/92

% Moisture: not dec. 0 Date Analyzed: 03/31/92

GC Column: 1%SP1000 ID: 2(mm) Dilution Factor: 1.0

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

Number TICs found: 0

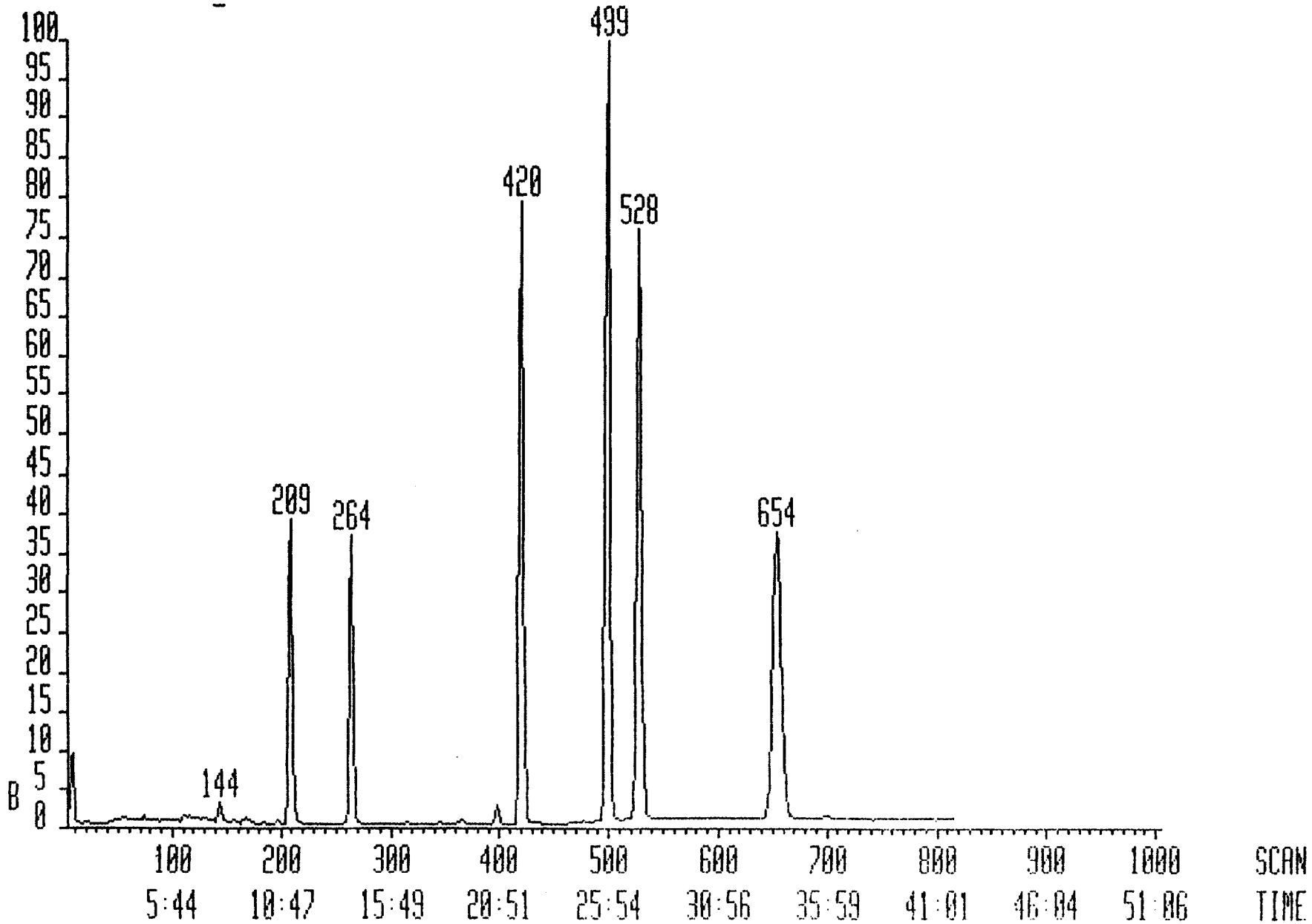
CONCENTRATION UNITS:
(ug/L or ug/Kg)ug/L

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |
| 7. | | | | | |
| 8. | | | | | |
| 9. | | | | | |
| 10. | | | | | |
| 11. | | | | | |
| 12. | | | | | |
| 13. | | | | | |
| 14. | | | | | |
| 15. | | | | | |
| 16. | | | | | |
| 17. | | | | | |
| 18. | | | | | |
| 19. | | | | | |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |
| 24. | | | | | |
| 25. | | | | | |
| 26. | | | | | |
| 27. | | | | | |
| 28. | | | | | |
| 29. | | | | | |
| 30. | | | | | |

FF1031 #5-815 31-MAR-92 09:06 VG#2 (EI+) Sys:VOA91 IHP

Chromatogram Identifiers : B1:35:260 B: 56557000

Text:VBLK01_ 00000



Interim Report Sample Analysis 31-MAR-92 10:15:17

Datafile: FF1031 31-MAR-92 09:06
Database: VOA91C
Library: VOA91

Instrument: VG#2
Account:
Text: VBLK01_ 00000

QRF 3/31/92 KO

| No. | Rank | Spectrum Match | Spectrum Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 | 92 | 99 | 1 | 10518000 | bv | 209 | 208 | 128 | Bromochloromethane |
| 2 | 98 | 87 | 99 | -1 | 22718000 | bb* | 264 | 265 | 65 | 1,2-Dichloroethane-d4 |
| 3 | 41 | 2 | 85 | -9 | 3000 | bb | 23 | 32 | 50 | Chloromethane |
| | 30 | 0 | 74 | 18 | 3000 | bb | 50 | | | |
| 4 | 37 | 2 | 68 | 0 | 13806 | ?? | 63 | 63 | 94 | Bromomethane |
| | 36 | 3 | 77 | 13 | 28000 | ?? | 76 | | | |
| | 33 | 3 | 78 | 19 | 6182 | ?? | 82 | | | |
| 5 | 52 | 1 | 98 | 2 | 18000 | bb | 82 | 80 | 62 | Vinyl Chloride |
| | 49 | 1 | 91 | -1 | 6000 | b? | 79 | | | |
| | 44 | 1 | 91 | -8 | 3000 | bb | 72 | | | |
| 6 | 37 | 1 | 82 | 12 | 18000 | bb | 114 | 102 | 64 | Chloroethane |
| | 33 | 0 | 68 | 8 | 4000 | bb | 110 | | | |
| 7 | 88 | 69 | 97 | -1 | 1128000 | bb* | 144 | 145 | 84 | Methylene Chloride |
| 8 | 74 | 45 | 99 | -3 | 742788 | vv* | 156 | 159 | 43 | Acetone |
| | 50 | 5 | 99 | 8 | 25727 | ?? | 167 | | | |
| | 48 | 5 | 99 | 10 | 31636 | ?? | 169 | | | |
| 9 | 43 | 18 | 64 | 1 | 113000 | bb | 174 | 173 | 76 | Carbon Disulfide |
| | 24 | 5 | 44 | -6 | 5000 | bb | 167 | | | |
| | 20 | 7 | 35 | -9 | 7000 | bb | 164 | | | |
| 10 | 78 | 46 | 99 | 0 | 145000 | bb | 198 | 198 | 96 | 1,1-Dichloroethene |
| 11 | 48 | 3 | 87 | -1 | 14000 | bb | 224 | 225 | 63 | 1,1-Dichloroethane |
| | 45 | 2 | 84 | 1 | 14000 | bb | 226 | | | |
| | 44 | 8 | 90 | 13 | 45000 | bb | 238 | | | |
| 12 | 57 | 15 | 91 | 0 | 18000 | bb | 239 | 239 | 96 | 1,2-Dichloroethene (to |
| 13 | 15 | 1 | 34 | 17 | 3000 | bb | 242 | 225 | 83 | Chloroform |
| | 7 | 4 | 13 | -16 | 13000 | bb | 209 | | | |
| 14 | 32 | 21 | 38 | 0 | 86000 | bb | 267 | 267 | 62 | 1,2-Dichloroethane |
| | 17 | 4 | 31 | 9 | 7000 | bb | 276 | | | |
| 15 | 52 | 0 | 99 | -1 | 142750 | vv* | 263 | 264 | 43 | 2-Butanone |
| | 43 | 6 | 98 | -18 | 11833 | ?? | 246 | | | |
| | 42 | 2 | 84 | 7 | 20214 | ?? | 271 | | | |
| 16 | 83 | 60 | 99 | -2 | 75043490 | bv* | 420 | 422 | 114 | 1,4-Difluorobenzene |
| 17 | 43 | 6 | 74 | 0 | 12000 | bb | 293 | 293 | 97 | 1,1,1-Trichloroethane |
| 18 | 37 | 6 | 65 | 1 | 13000 | bb | 301 | 300 | 117 | Carbon Tetrachloride |
| 19 | ---------- No Trace Found ---------- | | | | | | | 290 | 1 | |
| 20 | 41 | 5 | 72 | -1 | 18000 | bb | 312 | 313 | 83 | Bromodichloromethane |
| 21 | 29 | 6 | 49 | 1 | 4000 | bb | 341 | 340 | 63 | 1,2-Dichloropropane |
| | 27 | 5 | 46 | -1 | 3000 | bb | 339 | | | |
| | 15 | 1 | 29 | -4 | 3000 | bb | 336 | | | |
| 22 | 54 | 14 | 88 | 1 | 45000 | bb | 346 | 345 | 75 | cis-1,3-Dichloropropen |
| 23 | 49 | 9 | 84 | 1 | 13000 | bb | 357 | 356 | 130 | Trichloroethene |
| | 35 | 4 | 63 | -1 | 4000 | b? | 355 | | | |
| 24 | 39 | 6 | 67 | 1 | 35000 | bb | 372 | 371 | 129 | Dibromochloromethane |
| 25 | 64 | 25 | 94 | 0 | 39000 | bb | 374 | 374 | 97 | 1,1,2-Trichloroethane |
| 26 | 63 | 22 | 97 | 1 | 146000 | bb | 367 | 366 | 78 | Benzene |
| 27 | 34 | 4 | 62 | 2 | 29000 | bb | 374 | 372 | 75 | trans-1,3-dichloroprop |
| | 34 | 2 | 67 | -7 | 4000 | bb | 365 | | | |
| | 30 | 3 | 56 | -4 | 4000 | bb | 368 | | | |
| 28 | ---------- No Trace Found ---------- | | | | | | | 372 | 1 | |
| 29 | 46 | 10 | 78 | 1 | 24000 | bb | 430 | 429 | 173 | Bromoform |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 27 | 48 | 10 | 78 | 1 | 34000 | bb | 430 | 427 | 173 | Bromoform |
| 30 | 92 | 76 | 98 | 1 | 68169270 | bv | 528 | 527 | 117 | Chlorobenzene-d5 |
| 31 | 98 | 68 | 99 | -1 | 40389100 | vv | 654 | 655 | 95 | 4-Bromofluorobenzene |
| 32 | 82 | 61 | 94 | -1 | 82110100 | vv | 499 | 500 | 98 | Toluene-d8 |
| 33 | 64 | 25 | 97 | -1 | 85000 | vb | 437 | 438 | 43 | 4-Methyl-2-Pentanone |
| | 50 | 16 | 82 | 4 | 643 | ?? | 442 | | | |
| | 47 | 19 | 89 | 14 | 9947 | ?? | 452 | | | |
| 34 | 66 | 30 | 94 | 0 | 49000 | v? | 470 | 470 | 43 | 2-Hexanone |
| | 58 | 23 | 89 | 2 | 16154 | ?? | 472 | | | |
| | 57 | 23 | 90 | 5 | 37179 | ?? | 475 | | | |
| 35 | 46 | 6 | 82 | -1 | 7000 | bb | 476 | 477 | 164 | Tetrachloroethene |
| 36 | 57 | 13 | 97 | -2 | 101000 | bb | 478 | 480 | 83 | 1,1,2,2-Tetrachloroeth |
| | 40 | 2 | 79 | 6 | 4000 | bb | 486 | | | |
| | 39 | 1 | 83 | 10 | 14000 | bb | 490 | | | |
| 37 | 58 | 11 | 97 | 0 | 309000 | bb | 504 | 504 | 91 | Toluene |
| 38 | 26 | 1 | 49 | -1 | 43000 | bb | 531 | 532 | 112 | Chlorobenzene |
| 39 | 54 | 9 | 93 | -1 | 48000 | bb | 582 | 583 | 106 | Ethylbenzene |
| 40 | 35 | 4 | 67 | 7 | 13000 | bb | 699 | 692 | 104 | Styrene |
| | 31 | 3 | 56 | -2 | 12000 | b? | 690 | | | |
| | 24 | 2 | 45 | 3 | 4000 | bb | 695 | | | |
| 41 | 45 | 6 | 80 | -1 | 40000 | b? | 699 | 700 | 106 | m-Xylene |
| | 44 | 6 | 78 | 2 | 26000 | ?b | 702 | | | |
| 42 | 53 | 10 | 91 | -1 | 93000 | bb | 728 | 729 | 106 | o-/p-Xylene |
| | 51 | 9 | 88 | 1 | 93000 | bb | 730 | | | |
| | 50 | 9 | 88 | -3 | 33000 | b? | 726 | | | |
| 43 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

ff1031

Interim Report Sample Analysis 03-APR-92 12:28:18

Datafile: FF1031 31-MAR-92 09:06
Database: CHCL3
Library: CHCL3

Instrument: VG#2
Account:
Text: VBLK01_ 00000

| No. | Rank | Spectrum Match | Fit | Scan Diff | Peak Area | Flgs | Scan Found | Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 92 | 75 | 99 | -1 | 10518000 | bv* | 209 | 210 | 128 | Bromochloromethane |
| 2 | ~~48~~ | 3 | 87 | -1 | 14000 | bb | 224 | 225 | 63 | 1,1-Dichloroethane |
| | 46 | 2 | 84 | 1 | 14000 | bb | 226 | | | |
| | 41 | 8 | 90 | 13 | 45000 | bb | 238 | | | |
| ~~3~~ | ~~68~~ | ~~31~~ | ~~99~~ | 2 | 91000 | bb | 252 | 250 | 83 | Chloroform |
| 4 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

QDE
4/8/92
KD

ATT Results FF1031 TIC 09:06:00

| Internal Standard | Scan | Area | Conc |
|---|---|---|---|
| Bromochloromethane | 209 | 4733 | 50 |
| 1,4-Difluorobenzene | 420 | 10506 | 50 |
| Chlorobenzene-d5 | 528 | 12952 | 50 |

| TIC Scan | BKG Scan | IS Scan | Area | Conc |
|---|---|---|---|---|

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT-MS

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 13301

Sample wt/vol: 5.0(g/mL) ML Lab File ID: FF1071

Level: (low/med) LOW Date Received: 03/10/92

% Moisture: not dec. 0 Date Analyzed: 03/31/92

GC Column: 1%SP1000 ID: 2 (mm) Dilution Factor: 1.0

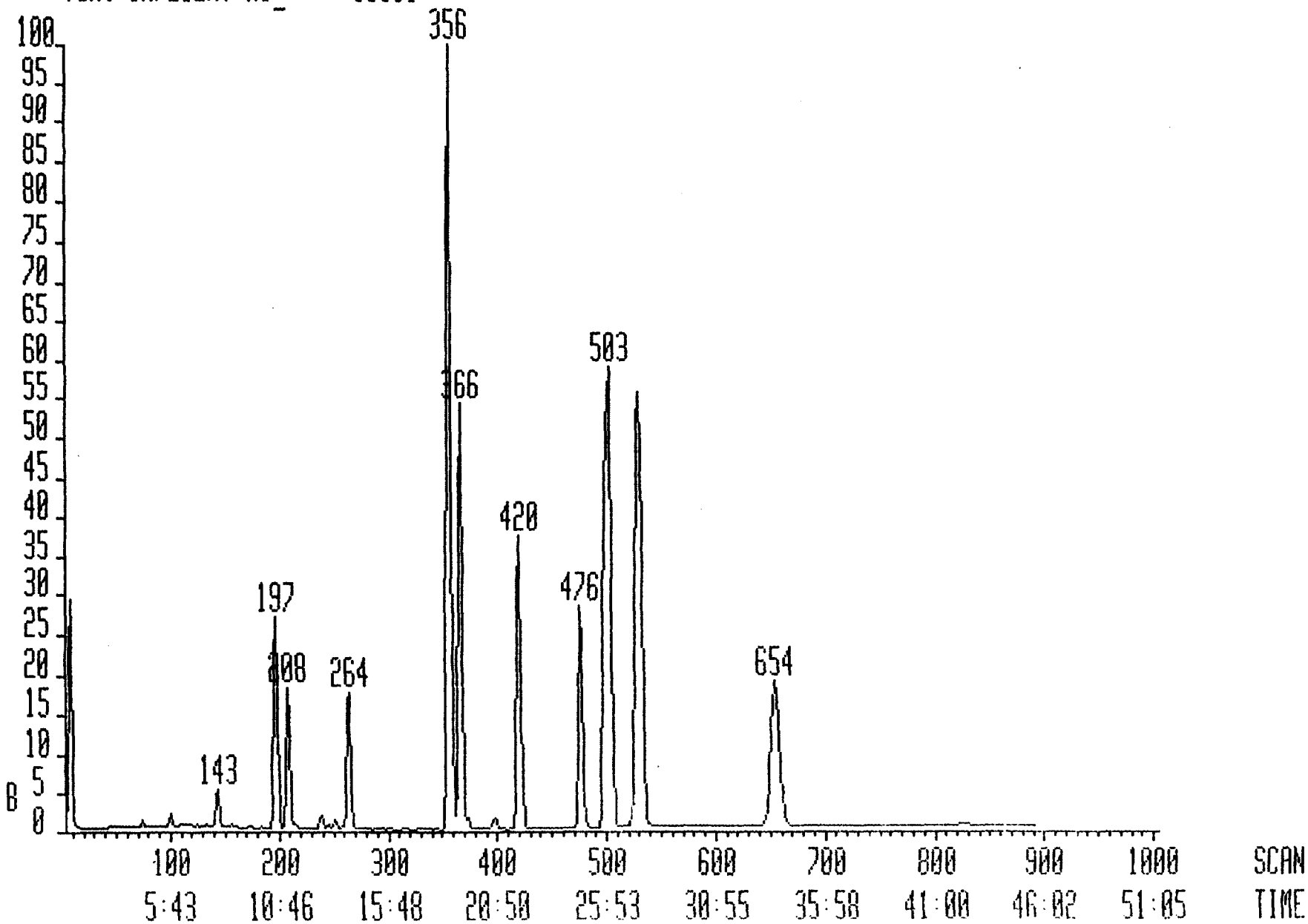
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 8 | J |
| 67-64-1 | Acetone | 10 | |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 42 | |
| 75-35-3 | 1,1-Dichloroethane | 10 | U |
| 156-60-5 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 130 | |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 49 | |
| 10061-02-6 | trans-1,3-dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 591-78-6 | 4-Methyl-2-Pentanone | 10 | U |
| 108-10-1 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 33 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 49 | |
| 108-90-7 | Chlorobenzene | 46 | |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylene (total) | 10 | U |

FF1071 #5-890 31-MAR-92 12:40 VG#2 (EI+) Sys:VOA91 IHP

Chromatogram Identifiers : B1:35:260 B: 118111000

Text:INFLUENT-MS_ 13301



Interim Report  Sample Analysis  01-APR-92  04:48:46

Datafile: FF1071  31-MAR-92  12:40
Database: VOA91C
Library: VOA91

Instrument: VG#2
Account:
Text: INFLUENT-MS_  13301

Pke
4/1/92
KS

| No. | Rank | Spectrum Match | Fit | Scan Diff | Peak Area | Flgs | Scan Found | Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 | 91 | 99 | 0 | 10773000 | bv | 208 | 208 | 128 | Bromochloromethane |
| 2 | 99 | 87 | 99 | 0 | 23511000 | bv* | 264 | 264 | 65 | 1,2-Dichloroethane-d4 |
| 3 | 53 | 2 | 99 | 1 | 32000 | bb | 33 | 32 | 50 | Chloromethane |
| | 30 | 0 | 74 | 19 | 3000 | bb | 51 | | | |
| 4 | 40 | 3 | 81 | 8 | 4923 | ?? | 71 | 63 | 94 | Bromomethane |
| | 40 | 1 | 75 | -1 | 10667 | ?? | 62 | | | |
| | 36 | 2 | 77 | 12 | 7744 | ?? | 75 | | | |
| 5 | 49 | 1 | 95 | -3 | 11000 | b? | 77 | 80 | 62 | Vinyl Chloride |
| | 48 | 0 | 91 | 1 | 3000 | ?b | 81 | | | |
| | 47 | 0 | 95 | -6 | 4000 | bb | 74 | | | |
| 6 | 45 | 1 | 85 | 2 | 3000 | ?b | 103 | 101 | 64 | Chloroethane |
| | 41 | 1 | 84 | 8 | 12000 | bb | 109 | | | |
| | 37 | 1 | 86 | 16 | 8000 | bb | 117 | | | |
| 7 | 93 | 80 | 97 | -1 | 4450000 | bv | 143 | 144 | 84 | Methylene Chloride |
| 8 | 66 | 28 | 99 | -2 | 884118 | vv* | 156 | 158 | 43 | Acetone |
| | 48 | 3 | 98 | -9 | 23206 | b? | 149 | | | |
| | 46 | 2 | 98 | -11 | 14000 | ?b | 147 | | | |
| 9 | 81 | 56 | 98 | 1 | 1304000 | bv | 173 | 172 | 76 | Carbon Disulfide |
| 10 | 98 | 85 | 99 | 0 | 21636000 | bv* | 197 | 197 | 96 | 1,1-Dichloroethene |
| 11 | 67 | 27 | 99 | 0 | 305000 | bb* | 224 | 224 | 63 | 1,1-Dichloroethane |
| | 42 | 0 | 99 | -16 | 195000 | vv | 208 | | | |
| | 42 | 1 | 91 | -12 | 5000 | ?? | 212 | | | |
| 12 | 93 | 74 | 99 | 0 | 1679000 | bv* | 238 | 238 | 96 | 1,2-Dichloroethene (to |
| 13 | 46 | 6 | 81 | -1 | 38000 | bb | 223 | ~~224~~ 250 | 83 | Chloroform |
| | 37 | 10 | 68 | -9 | 33000 | bb | 215 | | | |
| | 23 | 1 | 50 | 13 | 4000 | bb | 237 | | | |
| 14 | 38 | 25 | 46 | 0 | 315000 | bb | 266 | 266 | 62 | 1,2-Dichloroethane |
| | 23 | 6 | 42 | 9 | 13000 | bb | 275 | | | |
| 15 | 52 | 0 | 99 | -1 | 196132 | vv* | 262 | 263 | 43 | 2-Butanone |
| | 49 | 6 | 96 | -8 | 75151 | ?? | 255 | | | |
| | 44 | 11 | 99 | 19 | 73887 | vb | 282 | | | |
| 16 | 84 | 59 | 99 | 0 | 72332460 | bv | 420 | 420 | 114 | 1,4-Difluorobenzene |
| 17 | 76 | 45 | 99 | -1 | 229000 | bb | 292 | 293 | 97 | 1,1,1-Trichloroethane |
| 18 | 58 | 20 | 90 | 1 | 43000 | bb | 301 | 300 | 117 | Carbon Tetrachloride |
| | 47 | 7 | 90 | -7 | 28000 | bb | 293 | | | |
| 19 | ---------- | No | Trace | Found | ---------- | | | 290 | 1 | |
| 20 | 31 | 2 | 68 | 14 | 8000 | bb | 327 | 313 | 83 | Bromodichloromethane |
| | 23 | 0 | 43 | 0 | 4000 | bb | 313 | | | |
| 21 | 27 | 4 | 47 | -1 | 4000 | bb | 339 | 340 | 63 | 1,2-Dichloropropane |
| | 23 | 2 | 48 | -10 | 4000 | bb | 330 | | | |
| | 21 | 2 | 42 | -8 | 4000 | bb | 332 | | | |
| 22 | 32 | 3 | 73 | -16 | 3000 | bb | 329 | 345 | 75 | cis-1,3-Dichloropropen |
| | 25 | 2 | 59 | -18 | 8000 | bb | 327 | | | |
| | 24 | 2 | 49 | -9 | 8000 | bb | 336 | | | |
| 23 | 96 | 81 | 99 | 0 | 83293390 | bv | 356 | 356 | 130 | Trichloroethene |
| 24 | 16 | 1 | 36 | -15 | 265000 | bb | 356 | 371 | 129 | Dibromochloromethane |
| 25 | 82 | 59 | 97 | -1 | 1128000 | vv | 373 | 374 | 97 | 1,1,2-Trichloroethane |
| 26 | 97 | 86 | 96 | 0 | 105724800 | bv* | 366 | 366 | 78 | Benzene |
| 27 | 27 | 7 | 48 | -6 | 1876000 | bb | 366 | 372 | 75 | trans-1,3-dichloroprop |
| 28 | ---------- | No | Trace | Found | ---------- | | | 272 | 1 | |

FF1071

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 28 | ---------- No Trace Found ---------- | | | | | | | 372 | 1 | |
| 29 | ---------- No Trace Found ---------- | | | | | | | 429 | 173 | Bromoform |
| 30 | 88 | 66 | 98 | 0 | 66968080 | bv* | 527 | 527 | 117 | Chlorobenzene-d5 |
| 31 | 89 | 68 | 99 | 0 | 41565300 | bv | 654 | 654 | 95 | 4-Bromofluorobenzene |
| 32 | 87 | 64 | 99 | 0 | 84247200 | bv | 499 | 499 | 98 | Toluene-d8 |
| 33 | 57 | 17 | 90 | 0 | 35618 | v? | 437 | 437 | 43 | 4-Methyl-2-Pentanone |
| | 49 | 17 | 83 | 7 | 13106 | ?? | 444 | | | |
| | 49 | 11 | 86 | -5 | 0 | ?? | 432 | | | |
| 34 | 60 | 24 | 90 | 1 | 2742 | ?? | 470 | 469 | 43 | 2-Hexanone |
| | 60 | 23 | 90 | -1 | 0 | ?? | 468 | | | |
| | 52 | 20 | 87 | -7 | 3920 | ?? | 462 | | | |
| 35 | 98 | 85 | 99 | 0 | 17835000 | bb | 476 | 476 | 164 | Tetrachloroethene |
| 36 | 41 | 0 | 79 | -2 | 430000 | bb | 477 | 479 | 83 | 1,1,2,2-Tetrachloroeth |
| | 39 | 3 | 79 | -8 | 4000 | b? | 471 | | | |
| | 39 | 2 | 75 | 4 | 6000 | bb | 483 | | | |
| 37 | 96 | 80 | 99 | 0 | 114970500 | bv | 503 | 503 | 91 | Toluene |
| 38 | 88 | 65 | 99 | 0 | 73755610 | bv* | 531 | 531 | 112 | Chlorobenzene |
| 39 | 61 | 17 | 98 | 0 | 109000 | bb | 582 | 582 | 106 | Ethylbenzene |
| 40 | 40 | 5 | 73 | 3 | 19000 | ?b | 694 | 691 | 104 | Styrene |
| | 39 | 4 | 69 | 1 | 16000 | b? | 692 | | | |
| | 20 | 1 | 38 | -2 | 3000 | b? | 689 | | | |
| 41 | 57 | 13 | 94 | 0 | 151000 | bb | 699 | 699 | 106 | m-Xylene |
| 42 | 60 | 16 | 98 | -1 | 105000 | b? | 727 | 728 | 106 | o-/p-Xylene |
| | 58 | 15 | 95 | 1 | 109000 | ?b | 729 | | | |
| 43 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

Interim Report Sample Analysis 03-APR-92 12:31:21

Datafile: FF1071 31-MAR-92 12:40
Database: CHCL3
Library: CHCL3

Instrument: VG#2
Account:
Text: INFLUENT-MS_ 13301

| No. | Rank | Spectrum Match | Scan Fit | Scan Diff | Peak Area | Flgs | Scan Found | Scan Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 90 | 74 | 99 | -2 | 10773000 | bv | 208 | 210 | 128 | Bromochloromethane |
| ~~2~~ | ~~68~~ | ~~27~~ | ~~99~~ | -1 | 305000 | bb* | 224 | 225 | 63 | 1,1-Dichloroethane |
| | 39 | 1 | 91 | -13 | 0 | ?? | 212 | | | |
| ~~3~~ | ND | ~~76~~ | 99 | 1 | 2100000 | bb | 251 | 250 | 83 | Chloroform |
| 4 | ---------- No Trace Found ---------- too low | | | | | | | 0 | - | |

QNE
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

INFLUENT-MSD

Lab Name: PACIFIC ANALYTICAL Contract:

Lab Code: PACIF Case No.: SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 13301

Sample wt/vol: 5.0(g/mL) Lab File ID: FF1081

Level: (low/med) LOW Date Received: 03/10/92

% Moisture: not dec. 0 Date Analyzed: 03/31/92

GC Column: 1%SP1000 ID: 2 (mm) Dilution Factor: 1.0

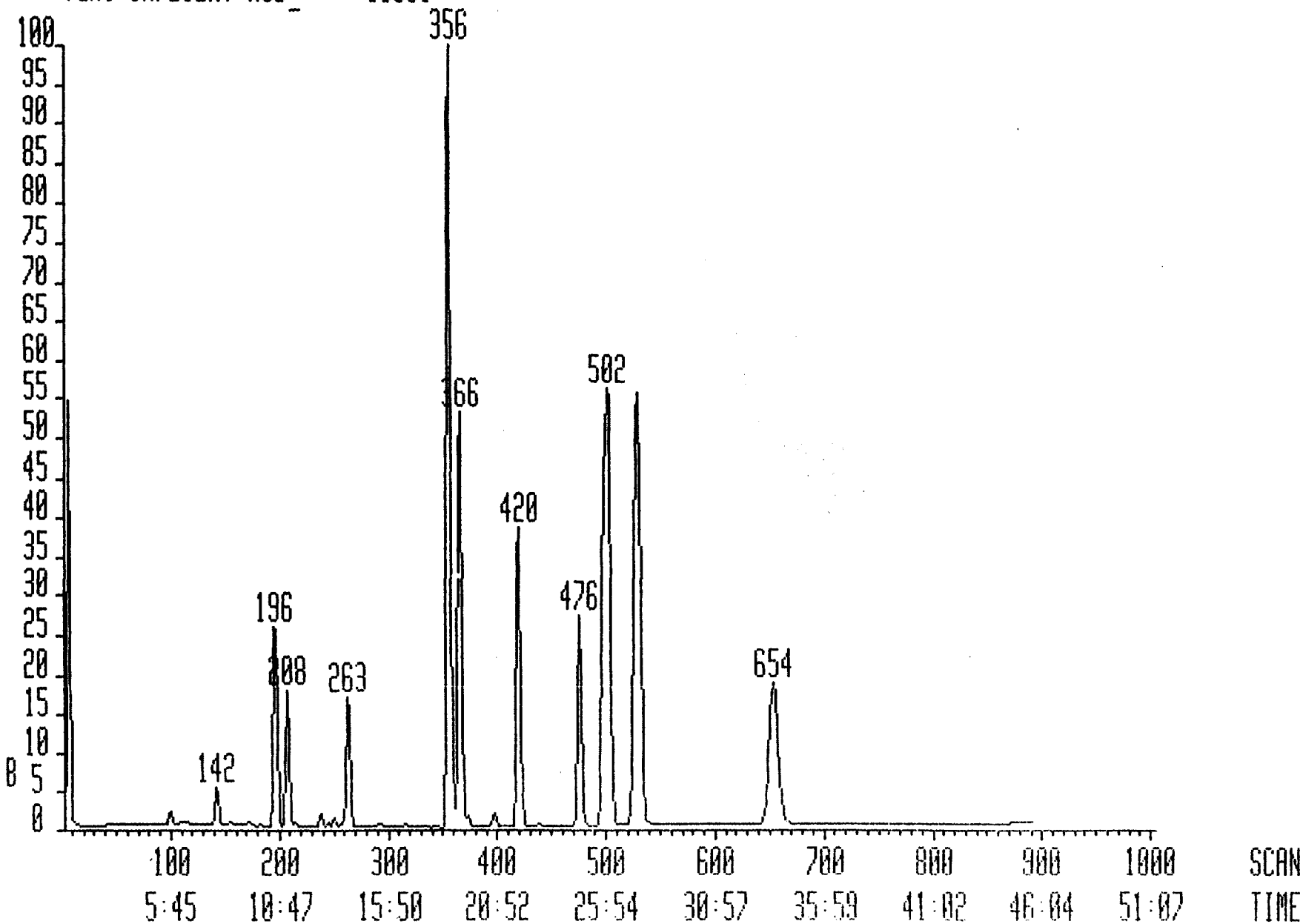
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg)ug/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 8 | J |
| 67-64-1 | Acetone | 8 | J |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 42 | |
| 75-35-3 | 1,1-Dichloroethane | 10 | U |
| 156-60-5 | 1,2-Dichloroethene (total) | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 120 | |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 47 | |
| 10061-02-6 | trans-1,3-dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 591-78-6 | 4-Methyl-2-Pentanone | 10 | U |
| 108-10-1 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 34 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-88-3 | Toluene | 49 | |
| 108-90-7 | Chlorobenzene | 46 | |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Xylene (total) | 10 | U |

FF1081 #5-890 31-MAR-92 13:31 VG#2 (EI+) Sys:VOA91 IHP

Chromatogram Identifiers : B1:35:260 B: 116661000

Text:INFLUENT-MSD_ 13301



Interim Report Sample Analysis 01-APR-92 04:53:45

Datafile: FF1081 31-MAR-92 13:31
Database: VOA91C
Library: VOA91

Instrument: VG#2
Account:
Text: INFLUENT-MSD_ 13301

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| No. | Rank | Spectrum Match | Fit | Scan Diff | Peak Area | Flgs | Scan Found | Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 | 91 | 99 | -1 | 10532000 | bb* | 207 | 208 | 128 | Bromochloromethane |
| 2 | 99 | 86 | 99 | 0 | 21577000 | bv | 263 | 263 | 65 | 1,2-Dichloroethane-d4 |
| 3 | 53 | 3 | 98 | 1 | 12000 | ?b | 33 | 32 | 50 | Chloromethane |
| | 53 | 3 | 97 | -1 | 37000 | bb | 31 | | | |
| | 38 | 0 | 74 | 4 | 3000 | bb | 36 | | | |
| 4 | 41 | 2 | 74 | 0 | 7419 | ?? | 63 | 63 | 94 | Bromomethane |
| | 40 | 3 | 83 | 10 | 6386 | ?? | 73 | | | |
| | 37 | 3 | 80 | 12 | 6386 | ?? | 75 | | | |
| 5 | 41 | 0 | 77 | -1 | 14000 | bv | 79 | 80 | 62 | Vinyl Chloride |
| | 40 | 1 | 91 | 14 | 12000 | bb | 94 | | | |
| | 40 | 0 | 77 | 2 | 20000 | ?b | 82 | | | |
| 6 | 45 | 0 | 86 | -1 | 4000 | bb | 100 | 101 | 64 | Chloroethane |
| | 43 | 1 | 82 | 3 | 6000 | bb | 104 | | | |
| | 42 | 2 | 81 | -5 | 15000 | bb | 96 | | | |
| 7 | 93 | 79 | 98 | -1 | 4370000 | bv* | 142 | 143 | 84 | Methylene Chloride |
| 8 | 66 | 27 | 99 | -2 | 646545 | vv* | 155 | 157 | 43 | Acetone |
| | 53 | 6 | 99 | 4 | 92364 | ?? | 161 | | | |
| | 50 | 3 | 99 | -7 | 8364 | ?? | 150 | | | |
| 9 | 83 | 58 | 99 | 1 | 1989000 | bb | 172 | 171 | 76 | Carbon Disulfide |
| 10 | 98 | 85 | 99 | 0 | 21541000 | bv | 196 | 196 | 96 | 1,1-Dichloroethene |
| 11 | 67 | 26 | 99 | 0 | 314000 | bb* | 223 | 223 | 63 | 1,1-Dichloroethane |
| | 43 | 0 | 99 | -15 | 189000 | vv | 208 | | | |
| | 37 | 7 | 79 | 15 | 722000 | bb | 238 | | | |
| 12 | 93 | 77 | 99 | 1 | 1624000 | bv* | 238 | 237 | 96 | 1,2-Dichloroethene (to |
| 13 | 50 | 6 | 87 | 0 | 35000 | bb | 223 | ~~223~~ 260 | 83 | Chloroform |
| | 36 | 11 | 66 | -9 | 36000 | bb | 214 | | no | |
| | 31 | 2 | 74 | 18 | 21000 | bb | 241 | | | |
| 14 | 46 | 31 | 56 | 1 | 464000 | bb | 266 | 265 | 62 | 1,2-Dichloroethane |
| | 31 | 1 | 62 | -7 | 6000 | bb | 258 | | | |
| | 17 | 4 | 32 | 10 | 9000 | bb | 275 | | | |
| 15 | 53 | 0 | 99 | 0 | 165250 | bv* | 262 | 262 | 43 | 2-Butanone |
| | 49 | 4 | 99 | -8 | 2045 | ?? | 254 | | | |
| | 49 | 2 | 98 | -6 | 12955 | ?? | 256 | | | |
| 16 | 83 | 60 | 99 | 2 | 76016890 | bv | 420 | 418 | 114 | 1,4-Difluorobenzene |
| 17 | 74 | 41 | 99 | -1 | 368000 | bb | 292 | 293 | 97 | 1,1,1-Trichloroethane |
| 18 | 48 | 9 | 81 | 0 | 53000 | vb | 300 | 300 | 117 | Carbon Tetrachloride |
| | 46 | 5 | 92 | -8 | 57000 | bb | 292 | | | |
| | 31 | 1 | 67 | -11 | 4000 | bb | 289 | | | |
| 19 | ---------- No Trace Found ---------- | | | | | | | 290 | 1 | |
| 20 | 40 | 2 | 79 | 6 | 4000 | bb | 319 | 313 | 83 | Bromodichloromethane |
| | 37 | 1 | 71 | 4 | 4000 | bb | 317 | | | |
| | 31 | 2 | 71 | 15 | 4000 | bb | 328 | | | |
| 21 | 29 | 6 | 48 | -1 | 7000 | bb | 339 | 340 | 63 | 1,2-Dichloropropane |
| | 20 | 1 | 46 | 16 | 209000 | bb | 356 | | | |
| | 19 | 2 | 42 | -16 | 7000 | bb | 324 | | | |
| 22 | 19 | 2 | 45 | -18 | 9000 | bb | 327 | 345 | 75 | cis-1,3-Dichloropropen |
| 23 | 96 | 80 | 99 | 0 | 84238520 | bb | 356 | 356 | 130 | Trichloroethene |
| 24 | 16 | 1 | 36 | -15 | 258000 | bb | 356 | 371 | 129 | Dibromochloromethane |
| 25 | 83 | 60 | 97 | -1 | 1116000 | vv | 37326 | 3080 | 97 | 1,1,2-Trichloroethane |
| 26 | 97 | 96 | 96 | 0 | 105264000 | bb* | 366 | 366 | 78 | Benzene |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 77 | 68 | 78 | 0 | 105284000 | bv* | 366 | 366 | 78 | Benzene |
| 27 | 27 | 7 | 47 | -6 | 1854000 | bb | 366 | 372 | 75 | trans-1,3-dichloroprop |
| 28 | ---------- No Trace Found ---------- | | | | | | | 372 | 1 | PF1081 |
| 29 | ---------- No Trace Found ---------- | | | | | | | 429 | 173 | Bromoform |
| 30 | 86 | 62 | 98 | 0 | 65555350 | bv* | 527 | 527 | 117 | Chlorobenzene-d5 |
| 31 | 90 | 69 | 99 | 0 | 42144350 | bv | 654 | 654 | 95 | 4-Bromofluorobenzene |
| 32 | 87 | 63 | 99 | 0 | 79764420 | bv | 499 | 499 | 98 | Toluene-d8 |
| 33 | 52 | 9 | 90 | 1 | 15195 | ?? | 438 | 437 | 43 | 4-Methyl-2-Pentanone |
| | 52 | 11 | 87 | -1 | 26927 | ?? | 436 | | | |
| | 51 | 14 | 89 | -6 | 19122 | ?? | 431 | | | |
| 34 | 60 | 23 | 90 | -1 | 478 | ?? | 468 | 469 | 43 | 2-Hexanone |
| | 54 | 20 | 87 | -5 | 4250 | ?? | 464 | | | |
| | 48 | 19 | 83 | -9 | 1333 | ?? | 460 | | | |
| 35 | 98 | 85 | 99 | 0 | 17886000 | bb* | 476 | 476 | 164 | Tetrachloroethene |
| 36 | 40 | 0 | 77 | -3 | 412000 | bb | 476 | 479 | 83 | 1,1,2,2-Tetrachloroeth |
| | 39 | 2 | 75 | 5 | 3000 | bb | 484 | | | |
| | 38 | 3 | 77 | 8 | 10000 | b? | 487 | | | |
| 37 | 96 | 81 | 99 | 0 | 110512400 | bv | 503 | 503 | 91 | Toluene |
| 38 | 89 | 68 | 99 | 0 | 72157760 | bv | 531 | 531 | 112 | Chlorobenzene |
| 39 | 60 | 16 | 97 | 0 | 95000 | bb | 582 | 582 | 106 | Ethylbenzene |
| 40 | ---------- No Trace Found ---------- | | | | | | | 691 | 104 | Styrene |
| 41 | 59 | 14 | 97 | -1 | 134000 | bb | 698 | 699 | 106 | m-Xylene |
| | 29 | 2 | 58 | -8 | 4000 | bb | 691 | | | |
| 42 | 60 | 15 | 97 | 0 | 45000 | ?? | 728 | 728 | 106 | o-/p-Xylene |
| | 58 | 14 | 97 | 2 | 78000 | ?b | 730 | | | |
| 43 | ---------- No Trace Found ---------- | | | | | | | 0 | - | |

Interim Report Sample Analysis 03-APR-92 12:32:06

Datafile: FF1081 31-MAR-92 13:31
Database: CHCL3
Library: CHCL3

Instrument: VG#2
Account:
Text: INFLUENT-MSD_ 13301

| No. | Rank | Spectrum Match | Fit | Scan Diff | Peak Area | Flgs | Scan Found | Pred | Quan m/z | Compound Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 89 | 75 | 99 | -3 | 10532000 | bb* | 207 | 210 | 128 | Bromochloromethane |
| 2 | 66 | 28 | 99 | -2 | 314000 | bb* | 223 | 225 | 63 | 1,1-Dichloroethane |
| | 36 | 7 | 79 | 13 | 722000 | bb | 238 | | | |
| 3 | 91 | 74 | 99 | 1 | 1978000 | bv | 251 | 250 | 83 | Chloroform |
| 4 | ---------- No Trace Found ---------- | | | | | | too low | 0 | - | |

ONE
4/8/92
KD