User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 04/26/2002 Time: 10:43:34

Sample: AE07416
Analysis: $B1GCMS Blank for GCMS Scan
Units: ug
Started: 3/29/02 10:37 Ended: 4/19/02 10:37 Analyst: TB
Result source: manual entry
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | n-Nitrosodimethylamine | | < MDL | | 2.0 |
| 2 | bis(2-Chloroethyl)ether | | < MDL | | 2.0 |
| 3 | 1,3-Dichlorobenzene | | < MDL | | 2.0 |
| 4 | 1,4-Dichlorobenzene | | < MDL | | 2.0 |
| 5 | 1,2-Dichlorobenzene | | < MDL | | 2.0 |
| 6 | 2,2'-oxybis(1-Chloropropane) | | < MDL | | 2.0 |
| 7 | n-Nitrosodi-n-propylamine | | < MDL | | 2.0 |
| 8 | Hexachloroethane | | < MDL | | 2.0 |
| 9 | Nitrobenzene | | < MDL | | 2.0 |
| 10 | Isophorone | | < MDL | | 2.0 |
| 11 | bis(2-Chloroethoxy)methane | | < MDL | | 2.0 |
| 12 | 1,2,4-Trichlorobenzene | | < MDL | | 2.0 |
| 13 | Naphthalene | | < MDL | | 2.0 |
| 14 | Hexachlorobutadiene | | < MDL | | 2.0 |
| 15 | 2-Chloronaphthalene | | < MDL | | 2.0 |
| 16 | Dimethylphthalate | | < MDL | | 2.0 |
| 17 | 2,6-Dinitrotoluene | | < MDL | | 2.0 |
| 18 | Acenaphthylene | | < MDL | | 2.0 |
| 19 | Acenaphthene | | < MDL | | 2.0 |
| 20 | 2,4-Dinitrotoluene | | < MDL | | 2.0 |
| 21 | Diethylphthalate | | < MDL | | 2.0 |
| 22 | 4-Chlorophenylphenylether | | < MDL | | 2.0 |
| 23 | Fluorene | | < MDL | | 2.0 |
| 24 | Azobenzene | | < MDL | | 2.0 |
| 25 | n-Nitrosodiphenylamine | | < MDL | | 2.0 |
| 26 | 4-Bromophenylphenylether | | < MDL | | 2.0 |
| 27 | Hexachlorobenzene | | < MDL | | 2.0 |
| 28 | Phenanthrene | | < MDL | | 2.0 |
| 29 | Anthracene | | < MDL | | 2.0 |
| 30 | Di-n-butylphthalate | | < MDL | | 2.0 |
| 31 | Fluoranthene | | < MDL | | 2.0 |
| 32 | Pyrene | | < MDL | | 2.0 |
| 33 | Butylbenzylphthalate | | < MDL | | 2.0 |
| 34 | Benzo(a)anthracene | | < MDL | | 2.0 |
| 35 | bis(2-Ethylhexyl)phthalate | | < MDL | | 2.0 |
| 36 | Chrysene | | < MDL | | 2.0 |
| 37 | Di-n-octylphthalate | | < MDL | | 2.0 |
| 38 | Benzo(b)fluoranthene | | < MDL | | 2.0 |
| 39 | Benzo(k)fluoranthene | | < MDL | | 2.0 |
| 40 | Benzo(a)pyrene | | < MDL | | 2.0 |
| 41 | Indeno(1,2,3-cd)pyrene | | < MDL | | 2.0 |
| 42 | Dibenz(a,h)anthracene | | < MDL | | 2.0 |
| 43 | Benzo(g,h,i)perylene | | < MDL | | 2.0 |

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\041902\LBA0419.D Vial: 5
Acq On : 19 Apr 2002 3:43 pm Operator: Bohlk
Sample : LB 3/29/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 26 09:23:50 2002 Quant Results File: 5080402BBC.RES

Quant Method : C:\MSDCHEM\1\5973N\5080402BBC.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Fri Apr 26 09:23:30 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.41 | 152 | 382931 | 40.00 | ug/L | 0.00 |
| 10) Naphthalene-d8 | 12.89 | 136 | 1814805 | 40.00 | ug/L | 0.00 |
| 17) Acenaphthene-d10 | 17.99 | 164 | 1055619 | 40.00 | ug/L | 0.00 |
| 30) Phenanthrene-d10 | 22.34 | 188 | 1422276 | 40.00 | ug/L | 0.00 |
| 39) Chrysene-d12 | 30.14 | 240 | 1092792 | 40.00 | ug/L | -0.01 |
| 45) Perylene-d12 | 34.01 | 264 | 665971 | 40.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 28) TCMX (SURR) | 19.96 | 244 | 22547 | 5.35 | ug/L | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 107.00% | | | |
| 38) 2,4-DDD (SURR) | 0.00 | 235 | 0 | 0.00 | ug/L | |
| Spiked Amount 10.000 | | | Recovery = 0.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 0.00 | 74 | 0 | N.D. | | |
| 3) bis(2-chloroethyl) ether | 0.00 | 93 | 0 | N.D. | | |
| 4) 1,3 - Dichlorobenze | 0.00 | 146 | 0 | N.D. | | |
| 5) 1,4 - Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 6) 1,2 - Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 7) 2,2 ' - oxybis (1-Chloropr | 0.00 | 45 | 0 | N.D. | | |
| 8) N-Nitroso-di-n-propylamine | 0.00 | 70 | 0 | N.D. | | |
| 9) Hexachloroethane | 0.00 | 117 | 0 | N.D. | | |
| 11) Nitrobenzene | 0.00 | 77 | 0 | N.D. | | |
| 12) Isophorone | 0.00 | 82 | 0 | N.D. | | |
| 13) bis(2-Chloroethoxy) methan | 0.00 | 93 | 0 | N.D. | | |
| 14) 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | | |
| 15) Naphthalene | 0.00 | 128 | 0 | N.D. | | |
| 16) Hexachlorobutadiene | 0.00 | 225 | 0 | N.D. | | |
| 18) Hexachlorocyclopentadiene | 0.00 | 237 | 0 | N.D. | | |
| 19) 2-chloronaphthalene | 0.00 | 162 | 0 | N.D. | | |
| 20) Dimethylphthalate | 0.00 | 163 | 0 | N.D. | | |
| 21) 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | d | |
| 22) Acenaphthylene | 0.00 | 152 | 0 | N.D. | | |
| 23) Acenaphthene | 0.00 | 153 | 0 | N.D. | | |
| 24) 2,4-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | | |
| 25) Diethylphthalate | 0.00 | 149 | 0 | N.D. | | |
| 26) 4-Chlorophenyl-phenyl ethe | 0.00 | 204 | 0 | N.D. | | |
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 29) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | | |
| 31) N-Nitrosodiphenylamine | 0.00 | 169 | 0 | N.D. | | |
| 32) 4-Bromophenyl-phenyl ether | 0.00 | 248 | 0 | N.D. | | |
| 33) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | | |
| 34) Phenanthrene | 0.00 | 178 | 0 | N.D. | | |
| 35) Anthracene | 0.00 | 178 | 0 | N.D. | | |
| 36) Di-n-butylphthalate | 0.00 | 149 | 0 | N.D. | | |
| 37) Fluoranthene | 0.00 | 202 | 0 | N.D. | | |
| 40) Pyrene | 0.00 | 202 | 0 | N.D. | | |
| 41) Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | | |
| 42) Benzo (a) antracene | 0.00 | 228 | 0 | N.D. | | |
| 43) Bis (2-ethylhexyl) phthala | 0.00 | 149 | 0 | N.D. | | |
| 44) Chrysene | 0.00 | 228 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\041902\LBA0419.D Vial: 5
Acq On : 19 Apr 2002 3:43 pm Operator: Bohlk
Sample : LB 3/29/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 26 09:23:50 2002 Quant Results File: 5080402BBC.RES

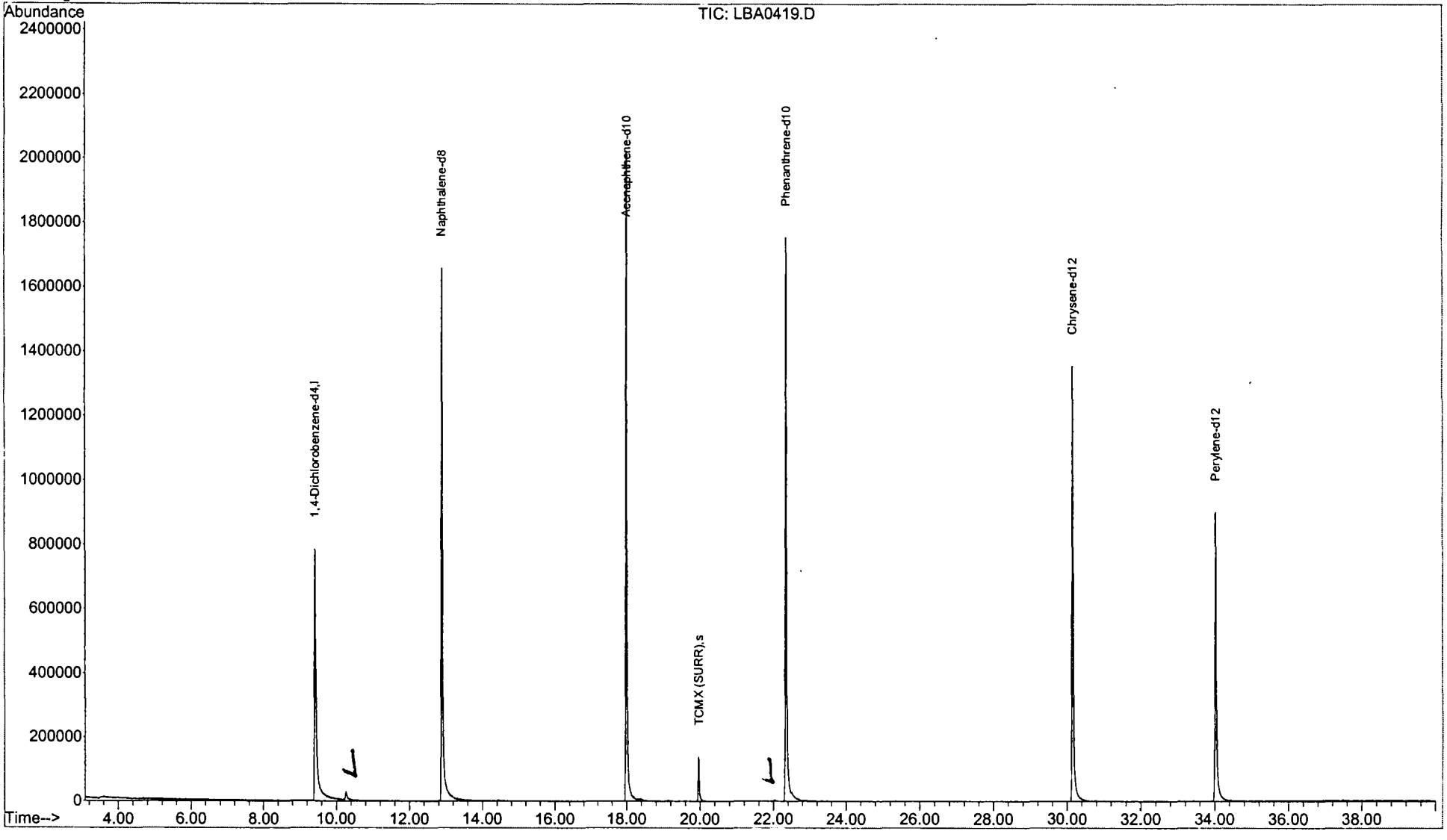
Quant Method : C:\MSDCHEM\1\5973N\5080402BBC.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Fri Apr 26 09:23:30 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 46) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 47) | Benzo (b) fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 48) | Benzo (k) fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 49) | Benzo (a) pyrene | 0.00 | 252 | 0 | N.D. | |
| 50) | Indeno (1,2,3-cd) pyrene | 0.00 | 276 | 0 | N.D. | |
| 51) | Dibenz (a,h) anthracene | 0.00 | 278 | 0 | N.D. | |
| 52) | Benzo (g,h,i) perylene | 0.00 | 276 | 0 | N.D. | |

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

Data File : C:\MSDCHEM\1\DATA\041902\LBA0419.D Vial: 5
Acq On : 19 Apr 2002 3:43 pm Operator: Bohlk
Sample : LB 3/29/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 26 9:24 2002 Quant Results File: 5080402BBC.RES

Method : C:\MSDCHEM\1\5973N\5080402BBC.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Fri Apr 26 09:23:30 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\041902\LBA0419.D  Vial: 5
Acq On : 19 Apr 2002 3:43 pm  Operator: Bohlk
Sample : LB 3/29/02  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\5973N\5080402BBC.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Smoothing : OFF  Filtering: 5
Sampling : 1  Min Area: 1 % of largest Peak
Start Thrs: 0.2  Max Peaks: 100
Stop Thrs : 0  Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

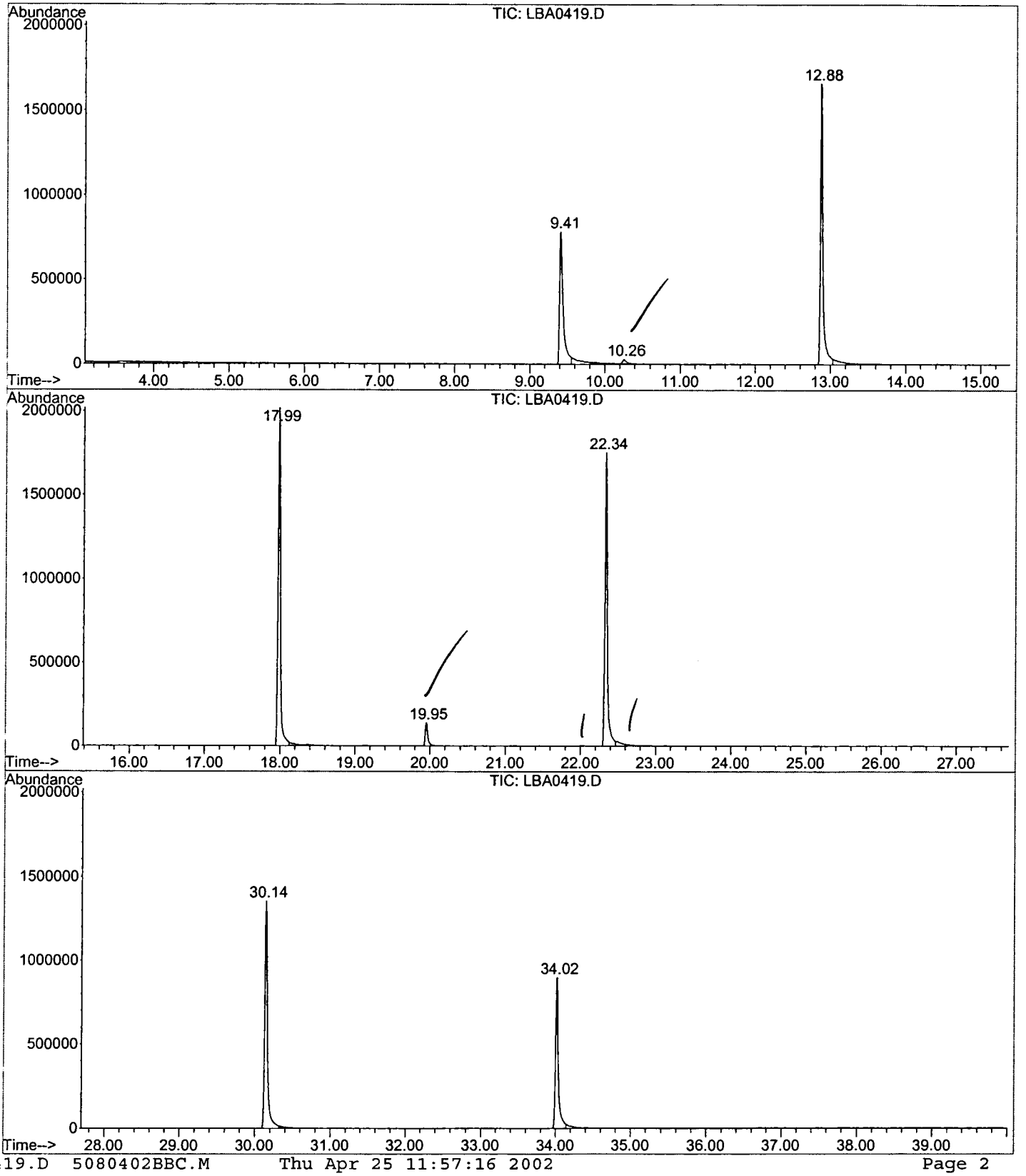
Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.413 | 1071 | 1078 | 1102 | rBV | 783173 | 2507076 | 57.10% | 11.832% |
| 2 | 10.259 | 1213 | 1222 | 1232 | rBV2 | 26057 | 77998 | 1.78% | 0.368% |
| 3 | 12.880 | 1661 | 1668 | 1694 | rBV | 1657482 | 3907005 | 88.99% | 18.439% |
| 4 | 17.986 | 2529 | 2537 | 2561 | rBV | 2018706 | 4390403 | 100.00% | 20.721% |
| 5 | 19.954 | 2865 | 2872 | 2882 | rBV3 | 138454 | 317832 | 7.24% | 1.500% |
| 6 | 22.339 | 3270 | 3278 | 3300 | rBV2 | 1753426 | 4103211 | 93.46% | 19.365% |
| 7 | 30.142 | 4597 | 4606 | 4636 | rBV3 | 1354429 | 3465256 | 78.93% | 16.354% |
| 8 | 34.020 | 5256 | 5266 | 5287 | rBV | 899381 | 2419747 | 55.11% | 11.420% |

Sum of corrected areas: 21188528

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\041902\LBA0419.D
Operator : Bohlk
Acquired : 19 Apr 2002 3:43 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: LB 3/29/02
Misc Info :
Vial Number: 5
Quant File :5080402BBC.RES (RTE Integrator)



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\041902\LBA0419.D  Vial: 5
Acq On : 19 Apr 2002 3:43 pm  Operator: Bohlk
Sample : LB 3/29/02  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

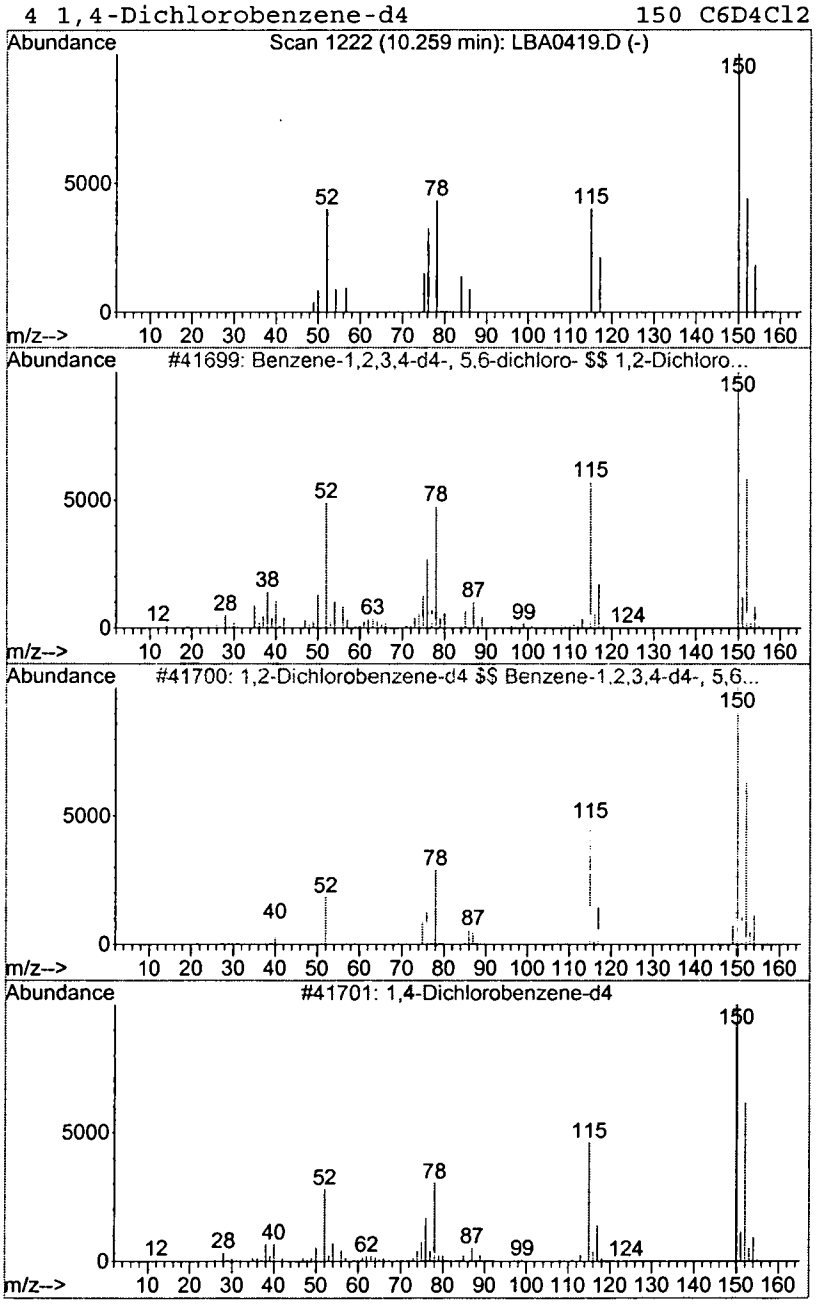
Quant Method : C:\MSDCHEM\1\5973N\5080402BBC.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

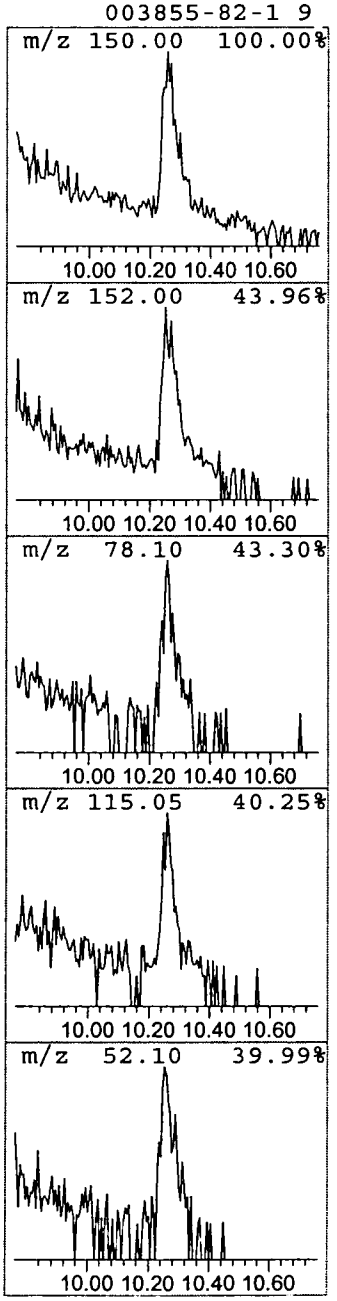
**********

Peak Number 1 Benzene-1,2,3,4-d4-, 5,6-di... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.26 | 1.24 ug/L | 77998 | 1,4-Dichlorobenzene-d4 | 9.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene-1,2,3,4-d4-, 5,6-dichlor... | 150 | C6D4Cl2 | 002199-69-1 | 86 |
| 2 | 1,2-Dichlorobenzene-d4 $$ Benzen... | 150 | C6D4Cl2 | 002199-69-1 | 78 |
| 3 | 1,4-Dichlorobenzene-d4 | 150 | C6D4Cl2 | 003855-82-1 | 78 |
| 4 | 1,4-Dichlorobenzene-d4 | 150 | C6D4Cl2 | 003855-82-1 | 9 |



Tentatively Identified Compound (LSC) summary

Operator ID: Bohlk  Date Acquired: 19 Apr 2002  3:43 pm
Data File: C:\MSDCHEM\1\DATA\041902\LBA0419.D
Name: LB 3/29/02
Misc:
Method: C:\MSDCHEM\1\5973N\5080402BBC.M (RTE Integrator)
Title: Quantitation For Method 508gcscan
Library Searched: C:\DATABASE\WILEY7N.L

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzene-1,2,3,4-d... | 10.26 | 1.2 | ug/L | 77998 | 1 | 9.41 | 2507080 | 40.0 |