User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/17/2002 Time: 08:58:59

Sample: AE09586
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/17/02 08:57 Ended: 5/17/02 08:57 Analyst: DLV
Page: 1

| | Component Name | Vial | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 92 | | 10.0 |

**Comments for Sample AE09586 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-17-2002 Time: 08:59:49

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY0802\9586.D Vial: 19
Acq On : 9 May 2002 4:11 am Operator:
Sample : RE-EXT. Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 9 15:48 2002 Quant Results File: GCMS0507.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 09 14:27:53 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0507

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.19 | 152 | 455839 | 40.00 | ug/l | 0.00 |
| 10) Naphthalene-d8 | 15.82 | 136 | 1670456 | 40.00 | ug/l | 0.00 |
| 17) Acenaphthene-d10 | 21.13 | 164 | 907653 | 40.00 | ug/l | 0.00 |
| 30) Phenanthrene-d10 | 25.57 | 188 | 1258945 | 40.00 | ug/l | 0.00 |
| 38) Chrysene-d12 | 33.64 | 240 | 789316 | 40.00 | ug/l | 0.00 |
| 44) Perylene-d12 | 37.86 | 264 | 493548 | 40.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 28) TCMX | 23.27 | 209 | 41312 | 9.15 | ug/L | 0.00 |
| Spiked Amount 10.000 | | | Recovery = 91.50% | | | |
| **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-Dichlorobenzene | 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-Chloropropan | 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 | 14.53 | 82 | 443 | N.D. | | |
| 13) bis(2-Chloroethoxy)methane | 0.00 | 93 | 0 | N.D. | | |
| 14) 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | | |
| 15) Naphthalene | 15.89 | 128 | 319 | 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. | | |
| 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 | 22.61 | 149 | 1150 | N.D. | | |
| 26) 4-Chlorophenyl-phenylether | 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 | 168 | 0 | N.D. | | |
| 32) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | | |
| 33) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | | |
| 34) Phenanthrene | 25.58 | 178 | 339 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY0802\9586.D Vial: 19
Acq On : 9 May 2002 4:11 am Operator:
Sample : RE-EXT. Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 9 15:48 2002 Quant Results File: GCMS0507.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 09 14:27:53 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0507

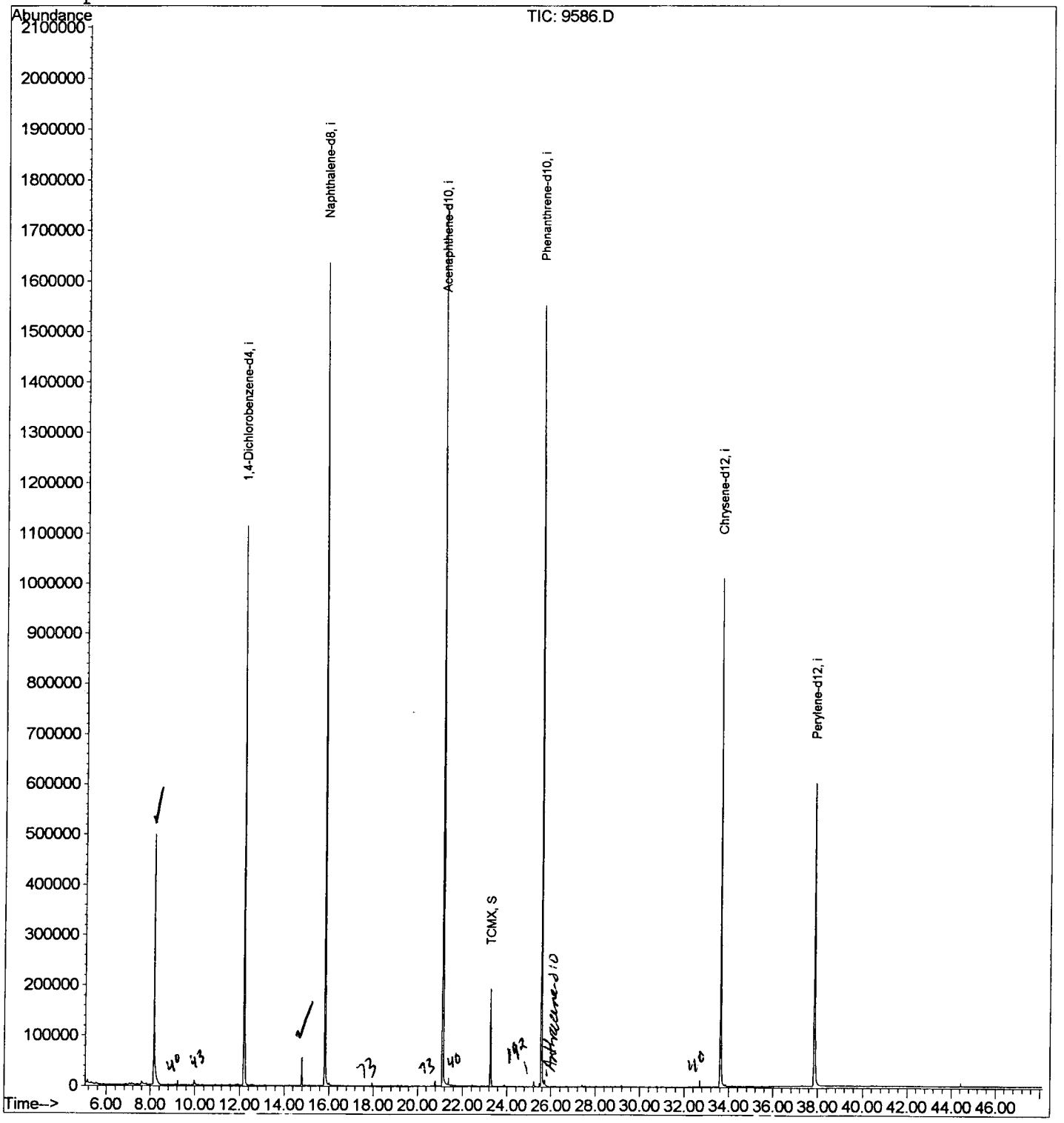
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 35) | Anthracene | 25.58 | 178 | 339 | N.D. | |
| 36) | Di-n-butylphthalate | 27.54 | 149 | 2441 | N.D. | |
| 37) | Fluoranthene | 29.28 | 202 | 187 | N.D. | |
| 39) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 40) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 41) | Benzo(a)anthracene | 33.64 | 228 | 1668 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.86 | 149 | 1995 | N.D. | |
| 43) | Chrysene | 33.64 | 228 | 1668 | N.D. | |
| 45) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) | Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 47) | Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 48) | Benzo(a)pyrene | 37.86 | 252 | 1914 | N.D. | |
| 49) | Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 50) | Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 51) | Benzo(g,h,i)perylene | 0.00 | 276 | 0 | N.D. | |

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

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAY0802\9586.D Vial: 19
Acq On : 9 May 2002 4:11 am Operator:
Sample : RE-EXT. Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 9 15:48 2002 Quant Results File: GCMS0507.RES

Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 09 14:27:53 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAY0802\9586.D  Vial: 19
Acq On : 9 May 2002 4:11 am  Operator:
Sample : RE-EXT.  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
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

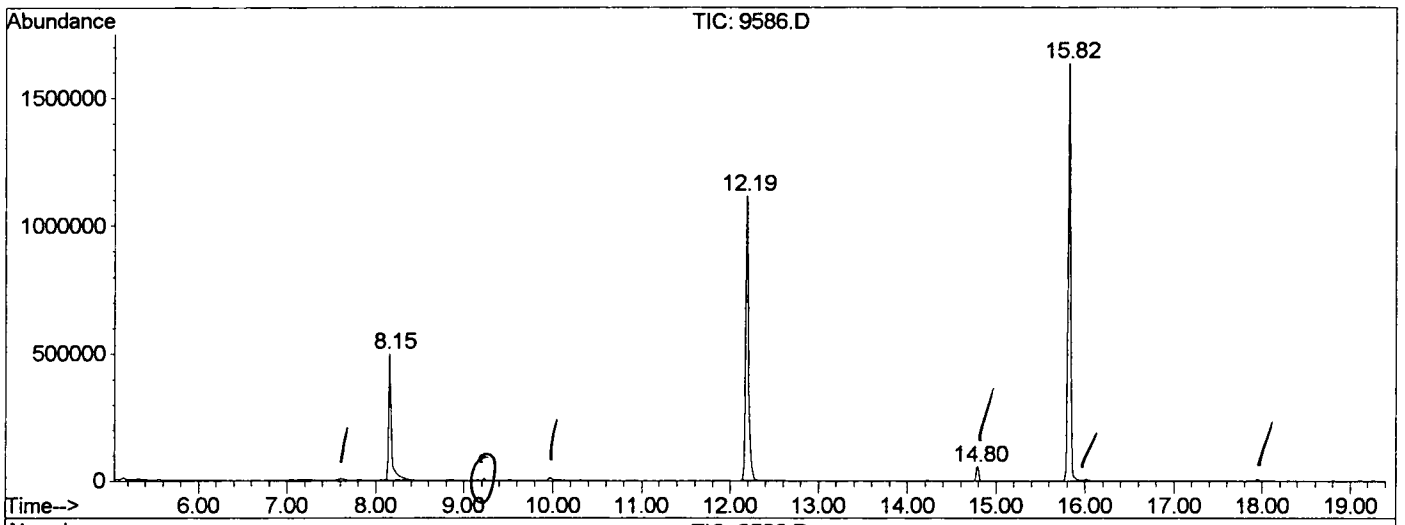
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.154 | 336 | 340 | 371 | rBV | 497289 | 1098140 | 30.14% | 5.915% |
| 2 | 12.186 | 775 | 780 | 797 | rVB | 1112162 | 2591310 | 71.13% | 13.957% |
| 3 | 14.797 | 1058 | 1065 | 1071 | rBV | 55501 | 111116 | 3.05% | 0.598% |
| 4 | 15.824 | 1171 | 1177 | 1194 | rBV | 1634314 | 3276137 | 89.92% | 17.645% |
| 5 | 21.129 | 1749 | 1756 | 1773 | rBV | 1752014 | 3643306 | 100.00% | 19.623% |
| 6 | 23.274 | 1982 | 1990 | 1999 | rBV2 | 192178 | 410516 | 11.27% | 2.211% |
| 7 | 25.574 | 2234 | 2241 | 2253 | rBV2 | 1549812 | 3347016 | 91.87% | 18.027% |
| 8 | 33.638 | 3114 | 3121 | 3140 | rBV2 | 1010009 | 2361486 | 64.82% | 12.719% |
| 9 | 37.862 | 3574 | 3582 | 3604 | rBV2 | 599075 | 1727750 | 47.42% | 9.306% |

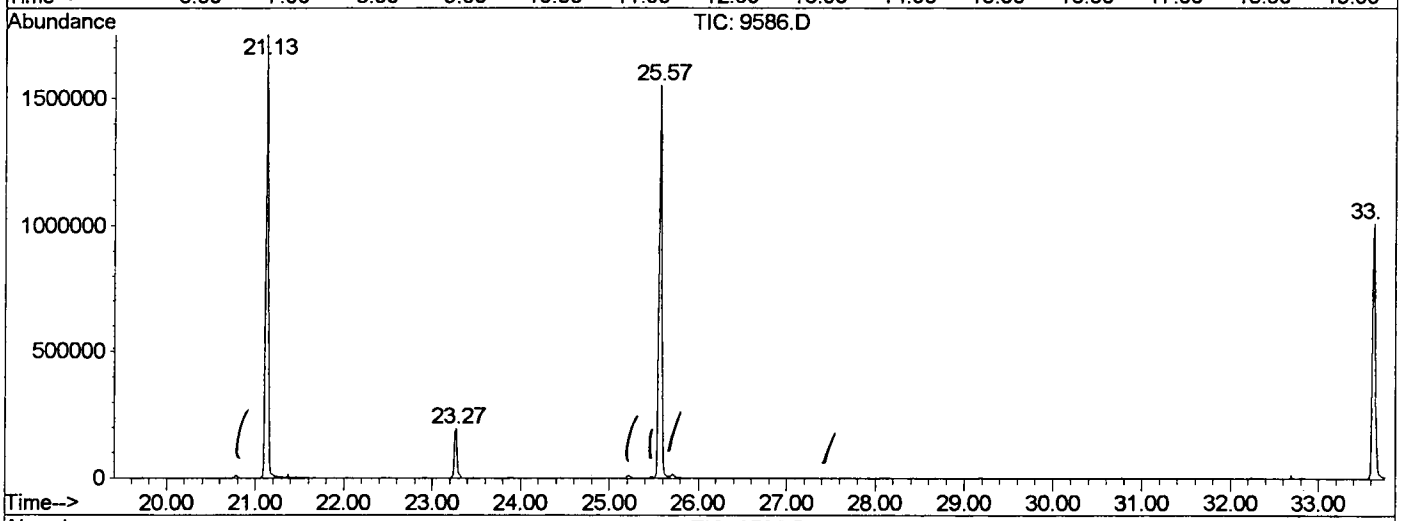
Sum of corrected areas: 18566777

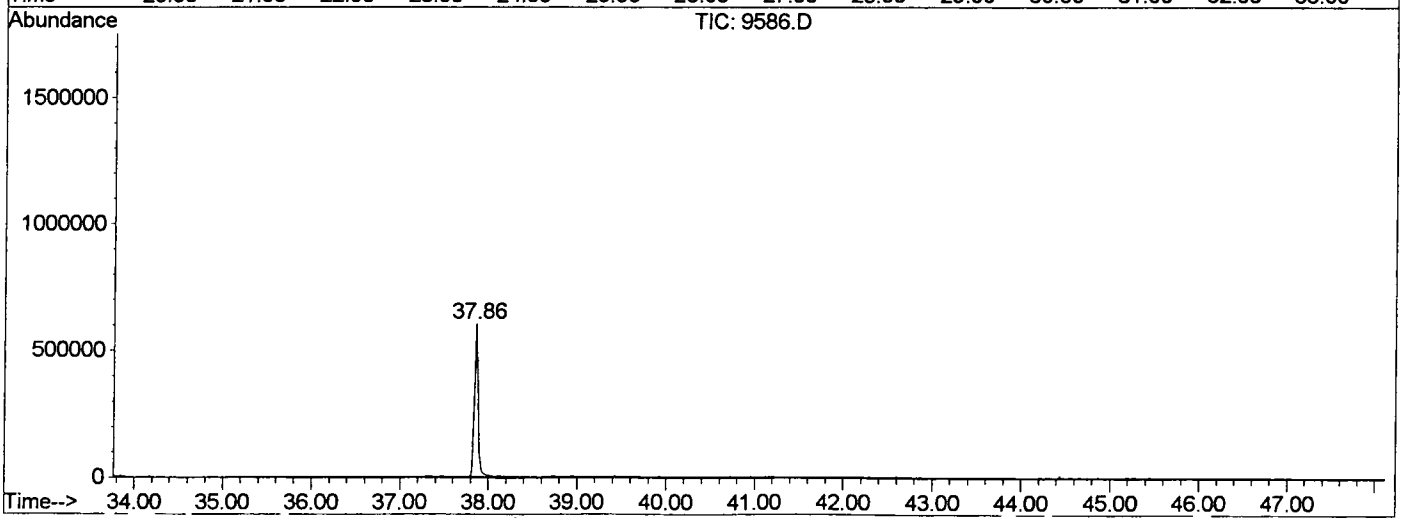
9586.D GCMS0507.M Fri May 10 08:22:38 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAY0802\9586.D
Operator :
Acquired : 9 May 2002 4:11 am using AcqMethod GCMS0507
Instrument : 209
Sample Name: RE-EXT.
Misc Info :
Vial Number: 19
Quant File :GCMS0507.RES (RTE Integrator)




9586.D GCMS0507.M Fri May 10 08:22:39 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY0802\9586.D  Vial: 19
Acq On : 9 May 2002 4:11 am  Operator:
Sample : RE-EXT.  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

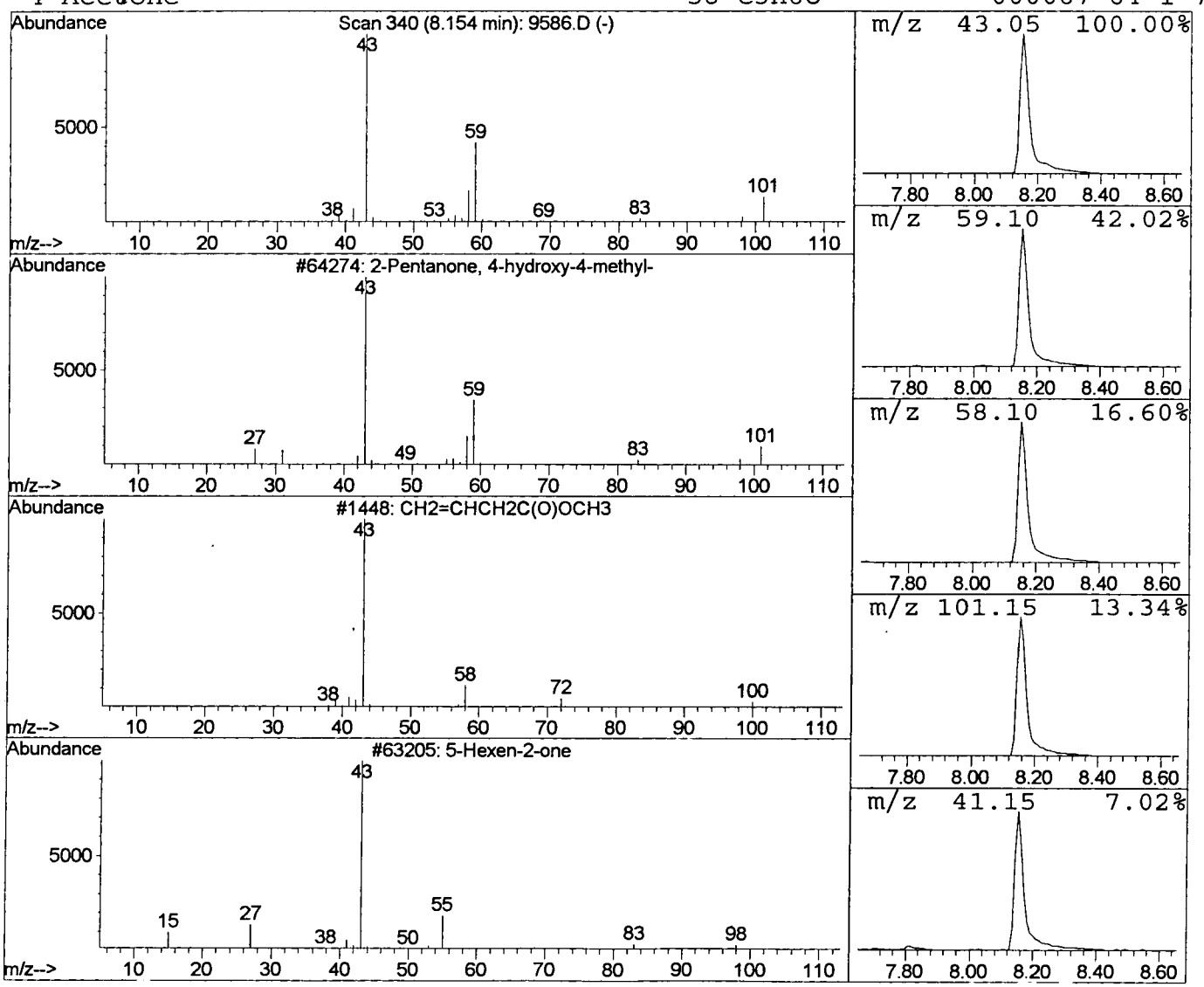
Quant Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.15 | 16.95 ug/l | 1098140 | 1,4-Dichlorobenzene-d4 | 12.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | CH2=CHCH2C(O)OCH3 | 100 | C5H8O2 | 003724-55-8 | 9 |
| 3 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 7 |
| 4 | Acetone | 58 | C3H6O | 000067-64-1 | 7 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAY0802\9586.D  Vial: 19
Acq On : 9 May 2002 4:11 am  Operator:
Sample : RE-EXT.  Inst : 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

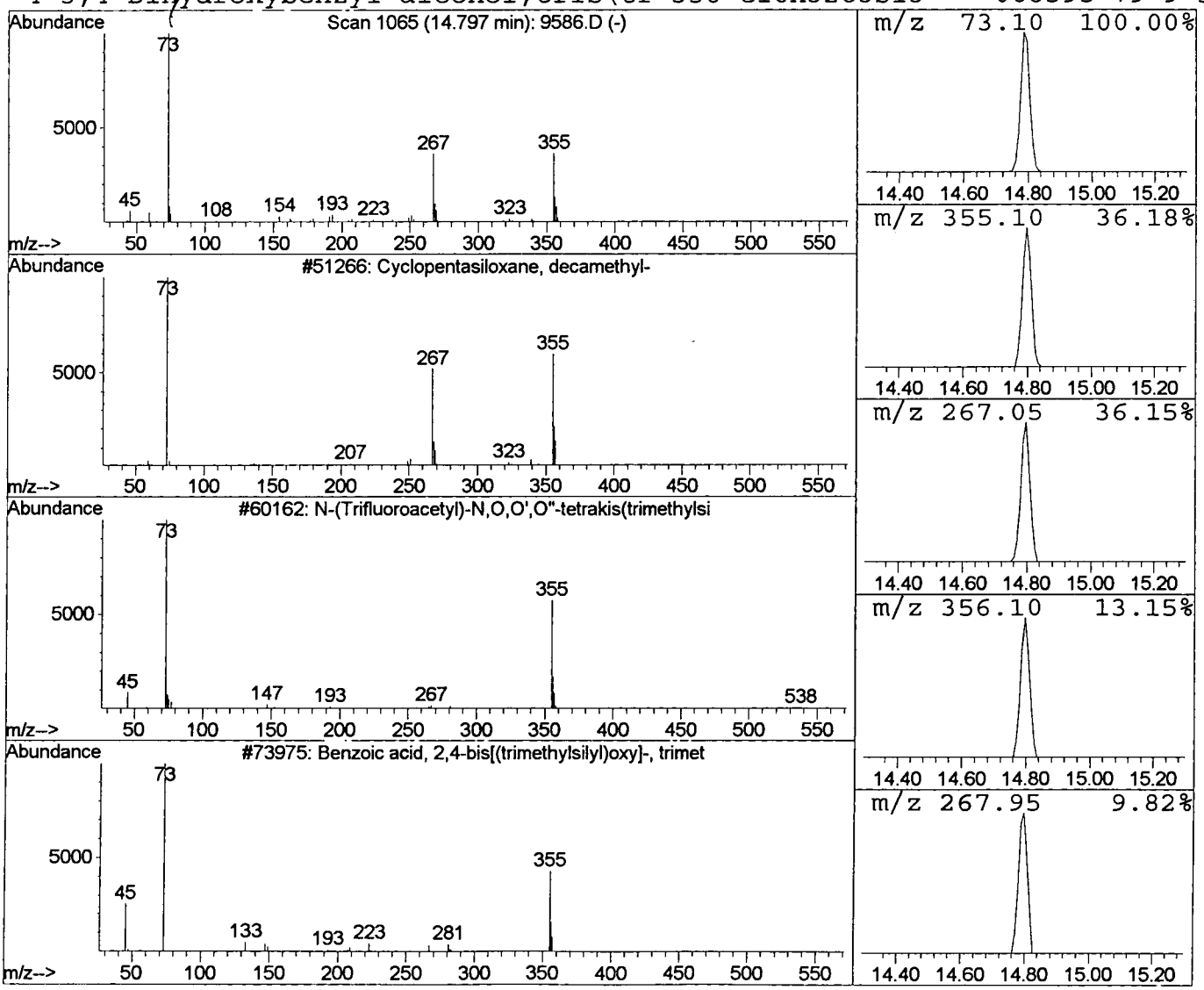
Quant Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Cyclopentasiloxane, decamethyl Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.80 | 1.36 ug/l | 111116 | Naphthalene-d8 | 15.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 80 |
| 2 | N-(Trifluoroacetyl)-N,O,O',O''-tetr | 553 | C22H42F3NO4Si4 | 000000-00-0 | 38 |
| 3 | Benzoic acid, 2,4-bis[(trimethylsil | 370 | C16H30O4Si3 | 010586-16-0 | 37 |
| 4 | 3,4-Dihydroxybenzyl alcohol,tris(tr | 356 | C16H32O3Si3 | 068595-79-9 | 37 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 9 May 2002 4:11 am
Data File: C:\HPCHEM\1\DATA\MAY0802\9586.D
Name: RE-EXT.
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

| TIC Top Hit name | RT | EstConc | Units | Area | IntStd | ISRT | ISArea | ISConc |
|---|---|---|---|---|---|---|---|---|
| 2-Pentanone, 4-hydro | 8.15 | 17.0 | ug/l | 1098140 | ISTD01 | 12.19 | 2591310 | 40.0 |
| Cyclopentasiloxane, | 14.80 | 1.4 | ug/l | 111116 | ISTD02 | 15.82 | 3276140 | 40.0 |

9586.D GCMS0507.M Fri May 10 08:22:42 2002