User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/03/2002 Time: 11:54:26

Sample: AE04412
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/3/02 11:53 Ended: 4/3/02 11:53 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 96 | | 5.0 |

**Comments for Sample AE04412 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-03-2002 Time: 11:55:06

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. Recoveries for compounds in the LCS Standard were high. New limits will be calculated.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR2502\4412.D Vial: 18
Acq On : 26 Mar 2002 2:58 am Operator:
Sample : gc/ms scan 2/28 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 28 12:19 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Mar 26 14:13:06 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.25 | 152 | 482617 | 20.00 ug/l | -0.10 |
| 10) Naphthalene-d8 | 15.88 | 136 | 1786137 | 20.00 ug/l | -0.11 |
| 17) Acenaphthene-d10 | 21.19 | 164 | 968080 | 20.00 ug/l | -0.12 |
| 29) Phenanthrene-d10 | 25.63 | 188 | 1374013 | 20.00 ug/l | -0.13 |
| 38) Chrysene-d12 | 33.69 | 240 | 693303 | 20.00 ug/l | -0.15 |
| 44) Perylene-d12 | 37.94 | 264 | 382955 | 20.00 ug/l | -0.19 |
| **System Monitoring Compounds** | | | | | |
| 37) 2,4-DDD | 30.71 | 235 | 88998 | ~~7.91~~ 4.81 ug/mL | 0.21 |
| Spiked Amount 5.000 | | | Recovery = | ~~158.20%~~ 96% | |
| **Target Compounds** | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 5.57 | 74 | 298 | 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 | 0.00 | 82 | 0 | 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 | 15.94 | 128 | 403 | 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 | 22.67 | 149 | 190 | N.D. | |
| 26) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | |
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | |
| 28) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR2502\4412.D Vial: 18
Acq On : 26 Mar 2002 2:58 am Operator:
Sample : gc/ms scan 2/28 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 28 12:19 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Mar 26 14:13:06 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

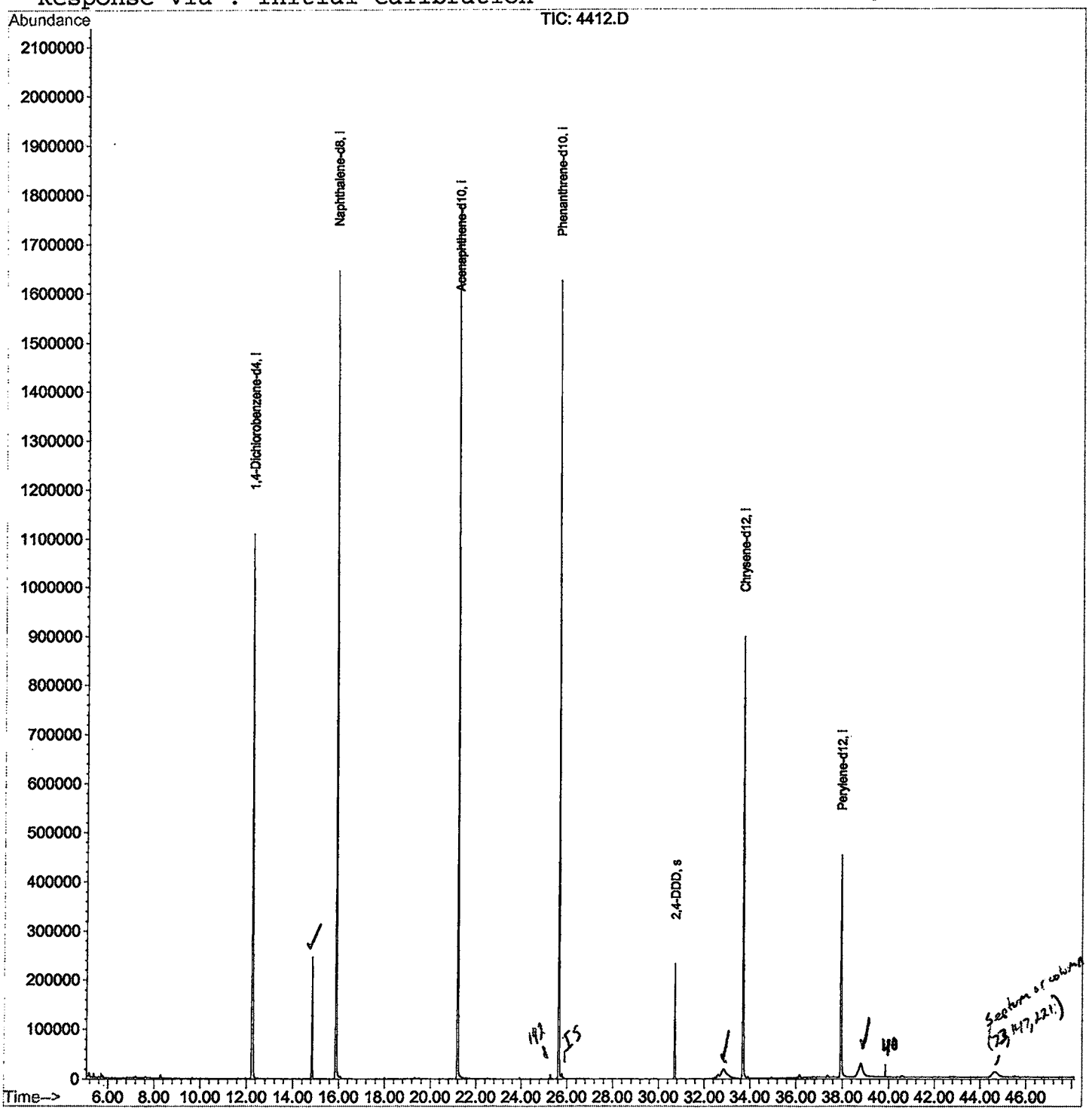
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 30) N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) Phenanthrene | 25.64 | 178 | 339 | N.D. | |
| 34) Anthracene | 25.64 | 178 | 339 | N.D. | |
| 35) Di-n-butylphthalate | 27.60 | 149 | 1333 | N.D. | |
| 36) Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 39) Pyrene | 0.00 | 202 | 0 | N.D. | |
| 40) Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 41) Benzo(a)anthracene | 33.69 | 228 | 1493 | N.D. | |
| 42) Bis(2-ethylhexyl)phthalate | 33.91 | 149 | 2250 | N.D. | |
| 43) Chrysene | 33.69 | 228 | 1493 | N.D. | |
| 45) Di-n-Octylphthalate | 35.64 | 149 | 775 | N.D. | |
| 46) Benzo(b)fluoranthene | 36.76 | 252 | 398 | N.D. | |
| 47) Benzo(k)fluoranthene | 36.82 | 252 | 331 | N.D. | |
| 48) Benzo(a)pyrene | 37.94 | 252 | 1539 | 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 | 43.29 | 276 | 108 | N.D. | |

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

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2502\4412.D Vial: 18
Acq On : 26 Mar 2002 2:58 am Operator:
Sample : gc/ms scan 2/28 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 28 12:19 2002 Quant Results File: GCMS0308.RES

Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Mar 26 14:13:06 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR2502\4412.D  Vial: 18
Acq On : 26 Mar 2002 2:58 am  Operator:
Sample : gc/ms scan 2/28  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0308.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

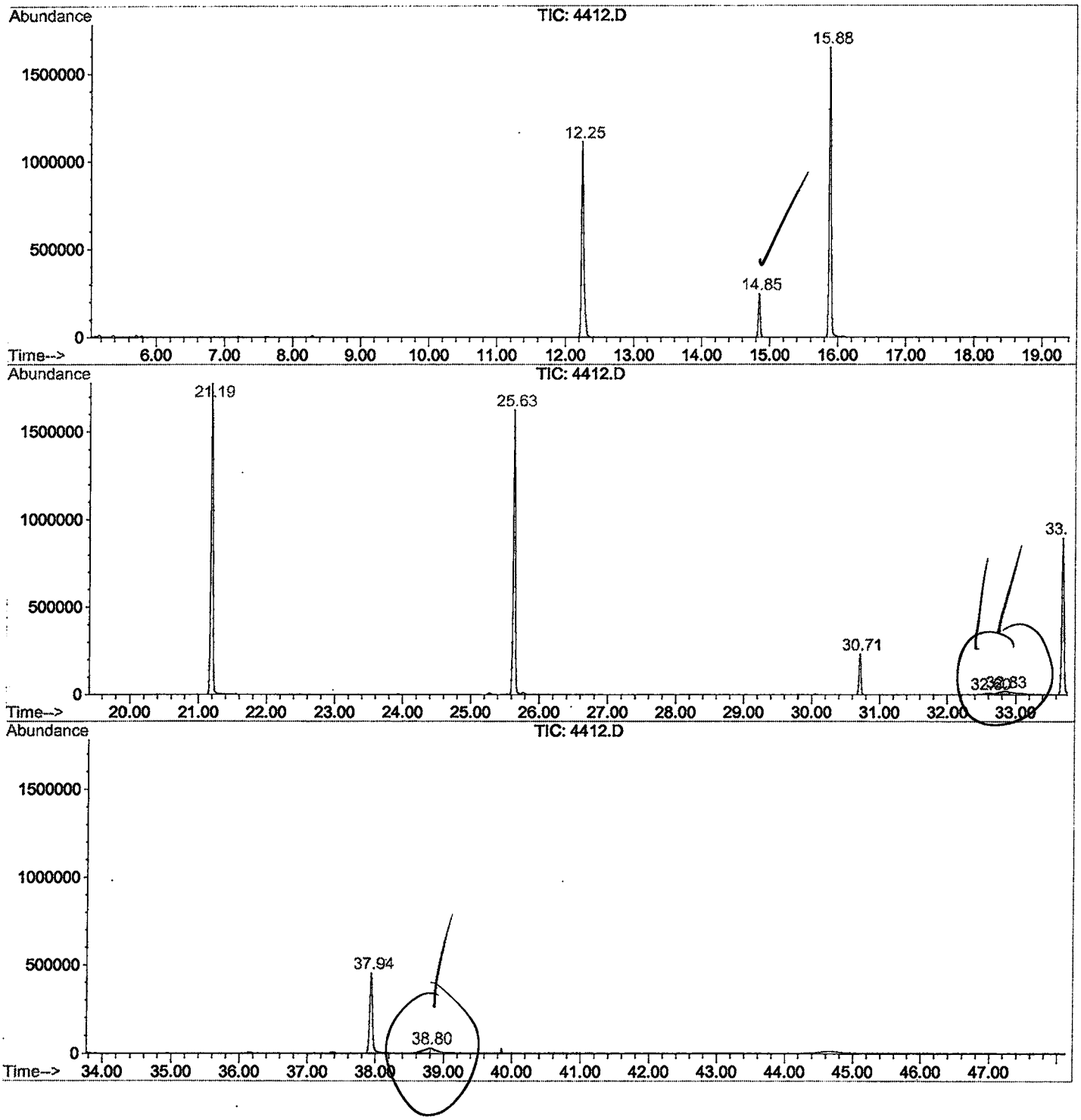
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.249 | 780 | 785 | 801 | rVB | 1108633 | 2584391 | 70.97% | 14.675% |
| 2 | 14.847 | 1063 | 1068 | 1075 | rVB | 246702 | 478496 | 13.14% | 2.717% |
| 3 | 15.884 | 1175 | 1181 | 1198 | rBV | 1646712 | 3365944 | 92.44% | 19.113% |
| 4 | 21.190 | 1753 | 1759 | 1769 | rBV | 1780173 | 3641317 | 100.00% | 20.677% |
| 5 | 25.634 | 2236 | 2243 | 2254 | rBV2 | 1625108 | 3424339 | 94.04% | 19.445% |
| 6 | 30.710 | 2791 | 2796 | 2803 | rBV | 233783 | 437712 | 12.02% | 2.486% |
| 7 | 32.601 | 2991 | 3002 | 3011 | rBV6 | 6139 | 38932 | 1.07% | 0.221% |
| 8 | 32.831 | 3011 | 3027 | 3036 | rBV7 | 14706 | 127422 | 3.50% | 0.724% |
| 9 | 33.694 | 3112 | 3121 | 3140 | rBV2 | 897858 | 2024126 | 55.59% | 11.494% |
| 10 | 37.935 | 3575 | 3583 | 3603 | rBV2 | 450996 | 1301141 | 35.73% | 7.388% |
| 11 | 38.798 | 3650 | 3677 | 3678 | rBV4 | 26935 | 186801 | 5.13% | 1.061% |

Sum of corrected areas: 17610621

4412.D GCMS0308.M Thu Mar 28 12:35:09 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR2502\4412.D
Operator :
Acquired : 26 Mar 2002 2:58 am using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 2/28
Misc Info :
Vial Number: 18
Quant File :GCMS0308.RES (RTE Integrator)




4412.D GCMS0308.M Thu Mar 28 12:35:15 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2502\4412.D  Vial: 18
Acq On : 26 Mar 2002 2:58 am  Operator:
Sample : gc/ms scan 2/28  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

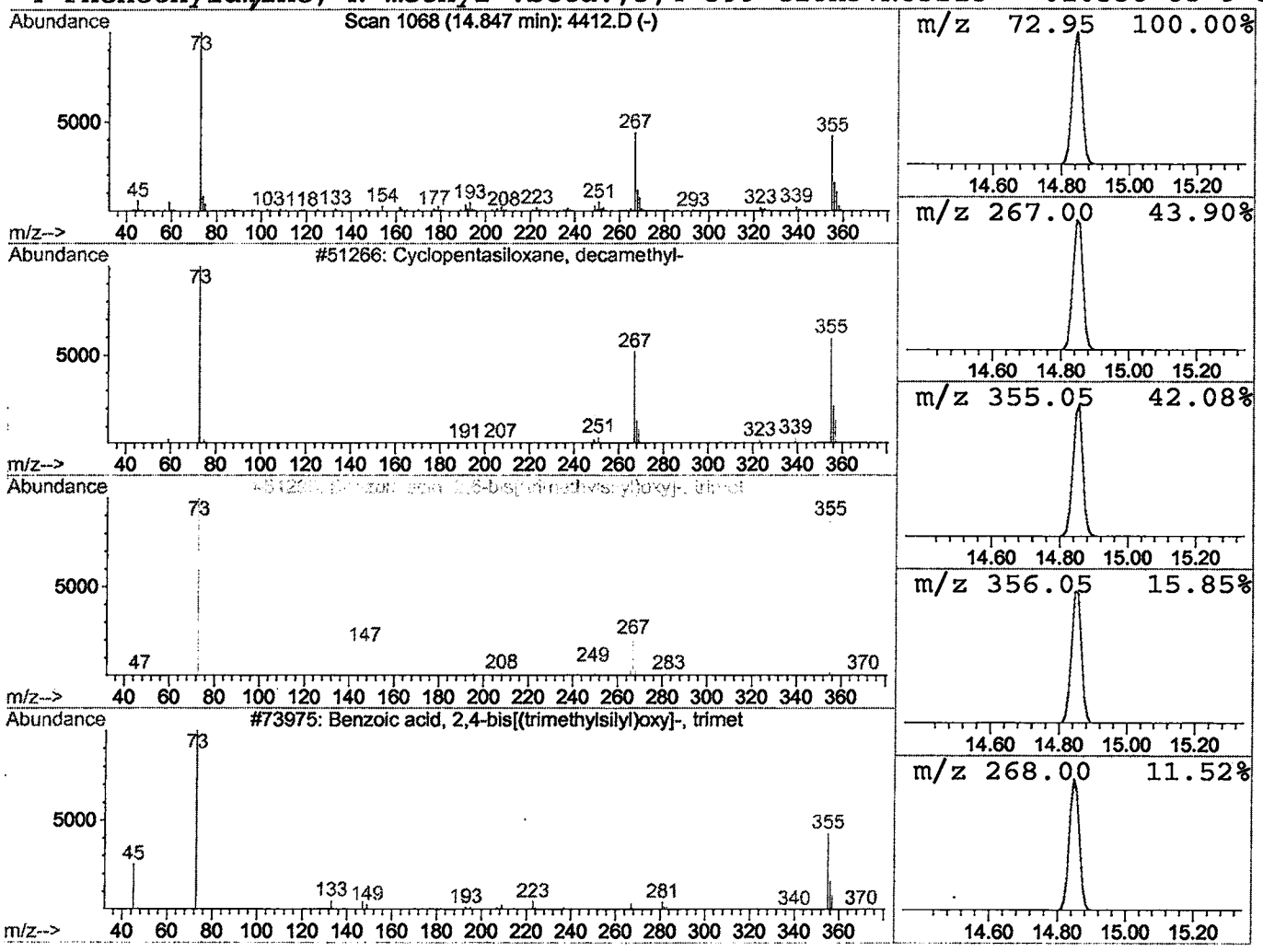
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Cyclopentasiloxane, decamethyl Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.85 | 2.84 ug/l | 478496 | Naphthalene-d8 | 15.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 59 |
| 2 | Benzoic acid, 2,6-bis[(trimethylsil | 370 | C16H30O4Si3 | 003782-85-2 | 38 |
| 3 | Benzoic acid, 2,4-bis[(trimethylsil | 370 | C16H30O4Si3 | 010586-16-0 | 38 |
| 4 | Phenethylamine, N-methyl-.beta.,3,4 | 399 | C18H37NO3Si3 | 010538-85-9 | 38 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2502\4412.D  Vial: 18
Acq On : 26 Mar 2002 2:58 am  Operator:
Sample : gc/ms scan 2/28  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

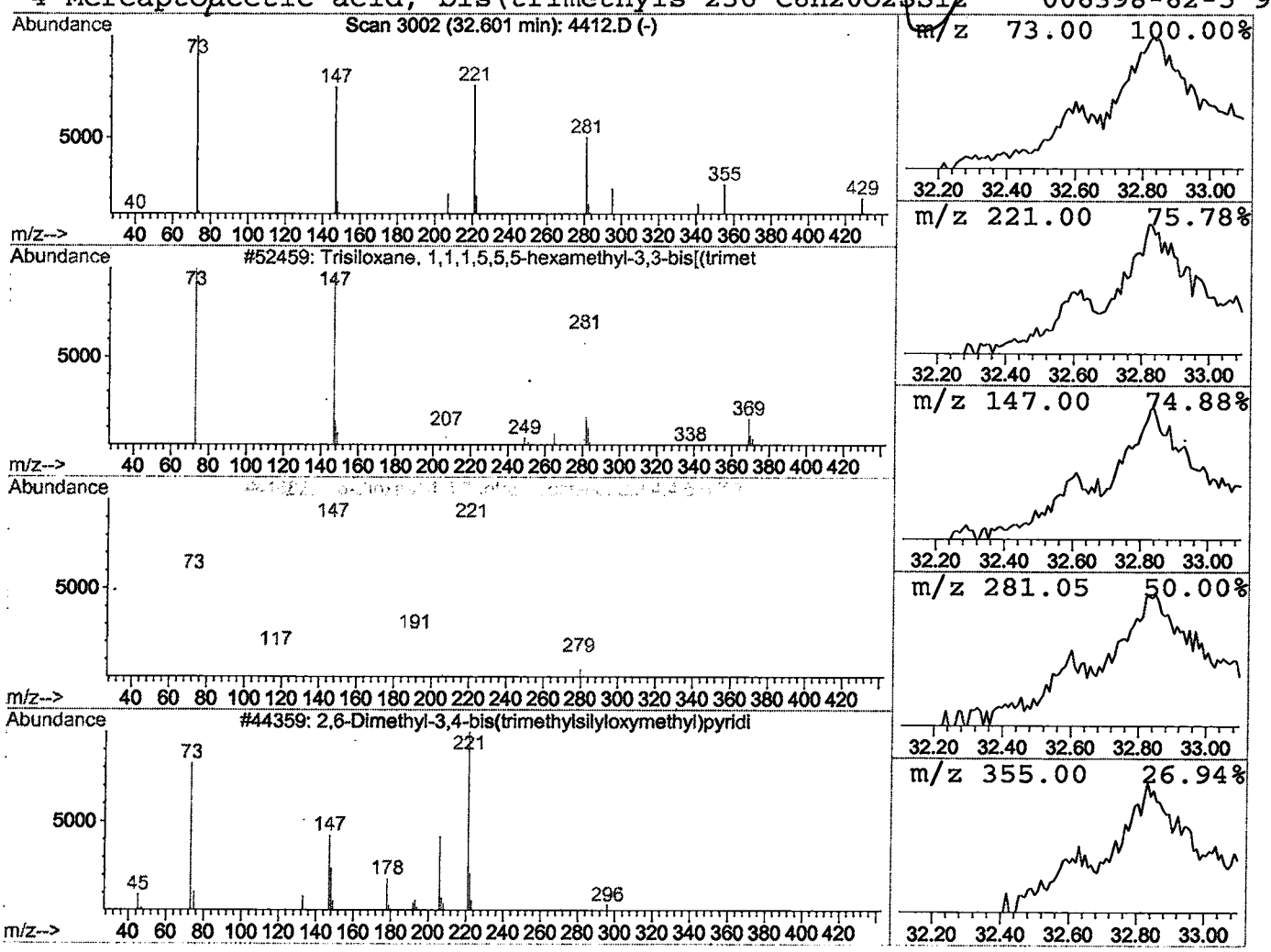
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Trisiloxane, 1,1,1,5,5,5-hexam Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 32.60 | 0.38 ug/l | 38932 | Chrysene-d12 | 33.69 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trisiloxane, 1,1,1,5,5,5-hexamethyl | 384 | C12H36O4Si5 | 003555-47-3 | 27 |
| 2 | 3,6-Dioxa-2,4,5,7-tetrasilaoctane, | 294 | C10H30O2Si4 | 004342-25-0 | 25 |
| 3 | 2,6-Dimethyl-3,4-bis(trimethylsilyl | 311 | C15H29NO2Si2 | 000000-00-0 | 10 |
| 4 | Mercaptoacetic acid, bis(trimethyls | 236 | C8H20O2SSi2 | 006398-62-5 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2502\4412.D  Vial: 18
Acq On : 26 Mar 2002 2:58 am  Operator:
Sample : gc/ms scan 2/28  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

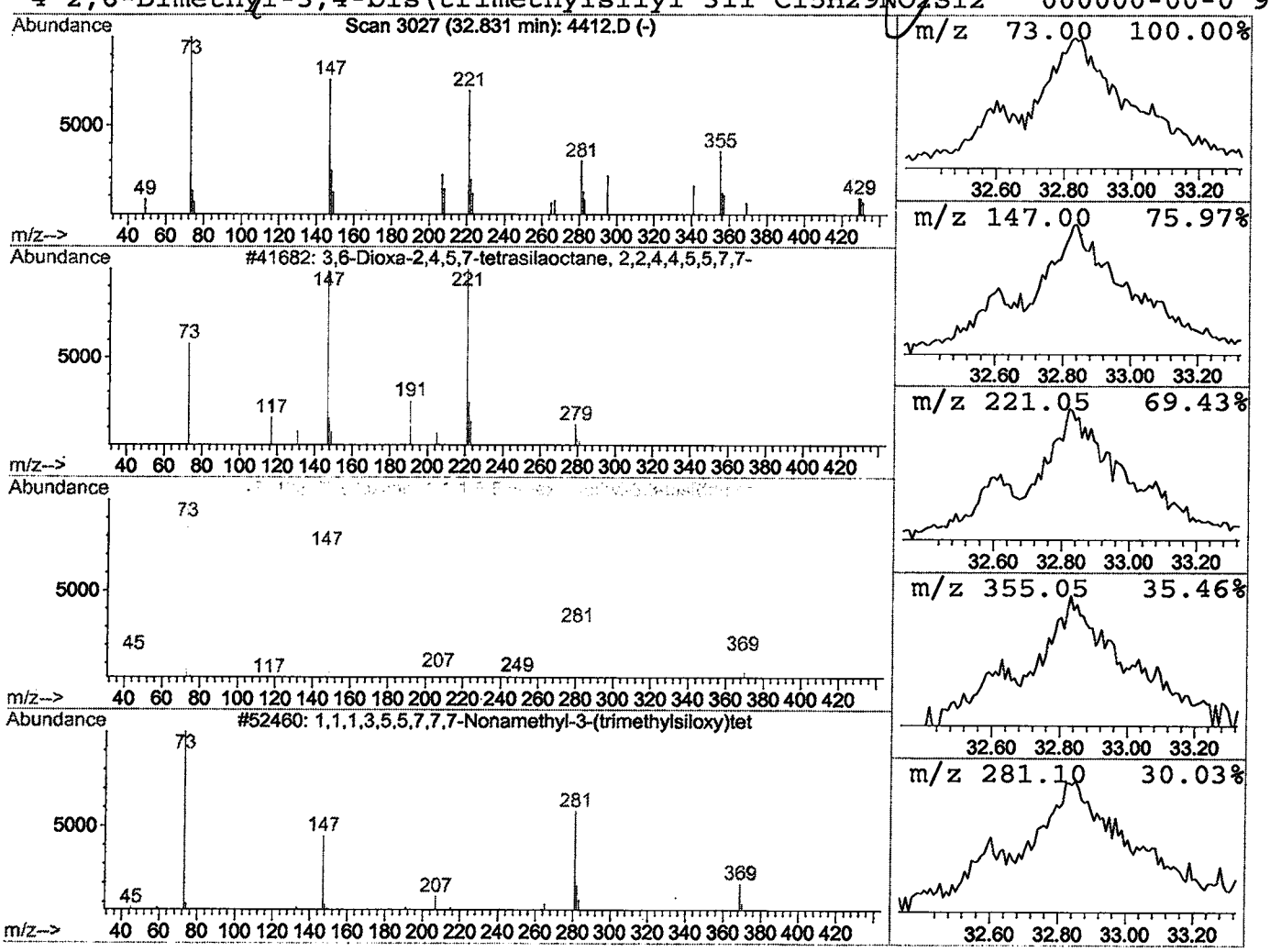
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 3,6-Dioxa-2,4,5,7-tetrasilaoct Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 32.83 | 1.26 ug/l | 127422 | Chrysene-d12 | 33.69 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,6-Dioxa-2,4,5,7-tetrasilaoctane, | 294 | C10H30O2Si4 | 004342-25-0 | 28 |
| 2 | Trisiloxane, 1,1,1,5,5,5-hexamethyl | 384 | C12H36O4Si5 | 003555-47-3 | 16 |
| 3 | 1,1,1,3,5,5,7,7,7-Nonamethyl-3-(tri | 384 | C12H36O4Si5 | 038146-99-5 | 10 |
| 4 | 2,6-Dimethyl-3;4-bis(trimethylsilyl | 311 | C15H29NO2Si2 | 000000-00-0 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2502\4412.D  Vial: 18
Acq On : 26 Mar 2002 2:58 am  Operator:
Sample : gc/ms scan 2/28  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

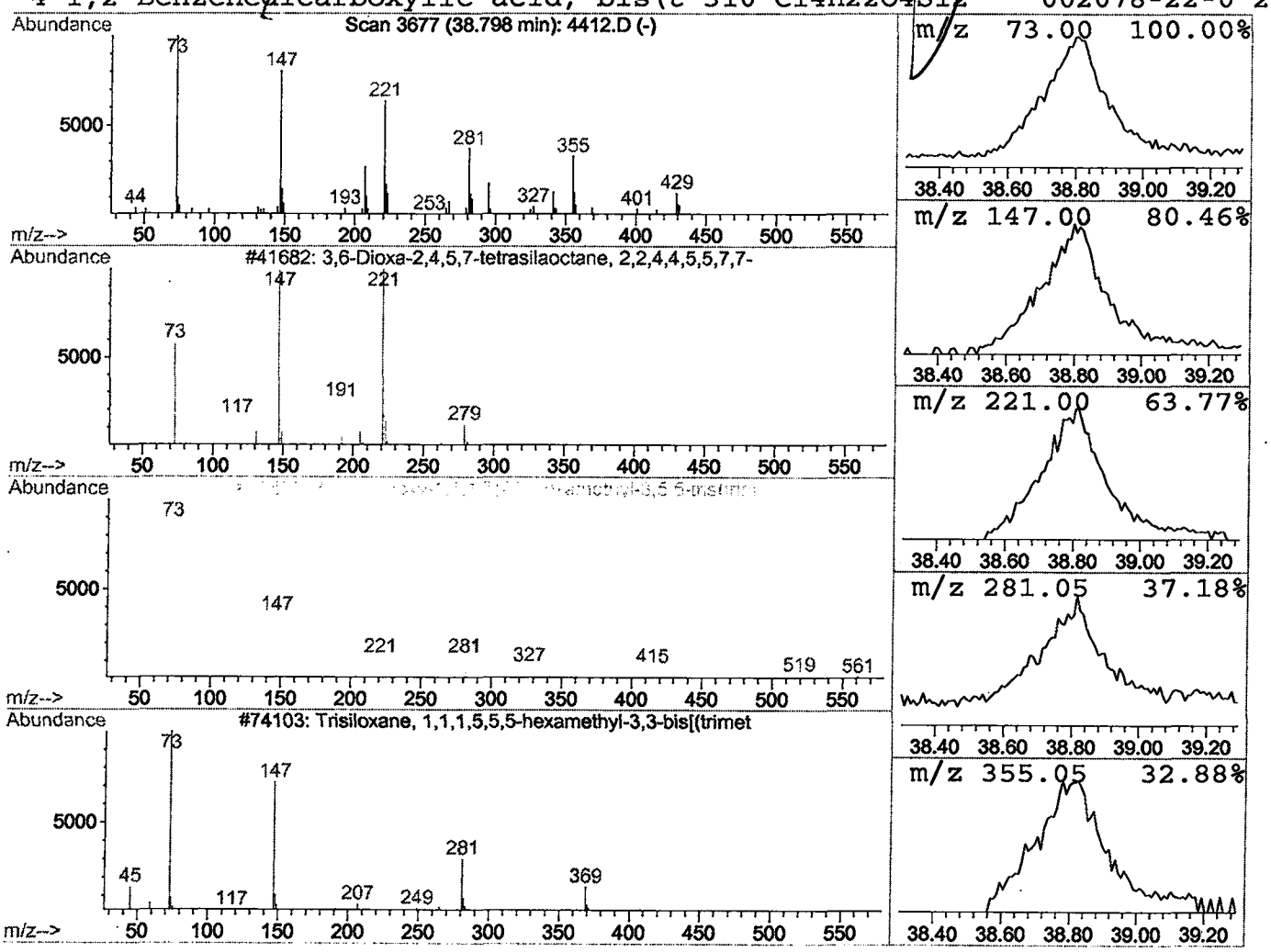
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 4 3,6-Dioxa-2,4,5,7-tetrasilaoct Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 38.80 | 2.87 ug/l | 186801 | Perylene-d12 | 37.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,6-Dioxa-2,4,5,7-tetrasilaoctane, | 294 | C10H30O2Si4 | 004342-25-0 | 38 |
| 2 | 3-Isopropoxy-1,1,1,7,7,7-hexamethyl | 576 | C18H52O7Si7 | 071579-69-6 | 38 |
| 3 | Trisiloxane, 1,1,1,5,5,5-hexamethyl | 384 | C12H36O4Si5 | 003555-47-3 | 35 |
| 4 | 1,2-Benzenedicarboxylic acid, bis(t | 310 | C14H22O4Si2 | 002078-22-0 | 27 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 26 Mar 2002 2:58 am
Data File: C:\HPCHEM\1\DATA\MAR2502\4412.D
Name: gc/ms scan 2/28
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0308.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 |
|---|---|---|---|---|---|---|---|---|
| Cyclopentasiloxane, | 14.85 | 2.8 | ug/l | 478496 | ISTD02 | 15.88 | 3365940 | 20.0 |
| Trisiloxane, 1,1,1,5 | 32.60 | 0.4 | ug/l | 38932 | ISTD05 | 33.69 | 2024130 | 20.0 |
| 3,6-Dioxa-2,4,5,7-te | 32.83 | 1.3 | ug/l | 127422 | ISTD05 | 33.69 | 2024130 | 20.0 |
| 3,6-Dioxa-2,4,5,7-te | 38.80 | 2.9 | ug/l | 186801 | ISTD06 | 37.94 | 1301140 | 20.0 |

4412.D GCMS0308.M Thu Mar 28 12:35:36 2002

Column