User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/11/2002 Time: 17:33:36

Sample: AD31402
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/11/02 17:33 Ended: 2/11/02 17:33 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 79 | | 5.0 |

**Comments for Sample AD31402 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-11-2002 Time: 17:33:59

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveies for 3 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN1602\31402.D Vial: 19
Acq On : 17 Jan 2002 5:13 am Operator: 209 GALOS
Sample : gc/ms scan 12/28 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 7 11:45 2002 Quant Results File: GCMS0103.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Jan 07 10:31:02 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0103

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.50 | 152 | 749122 | 20.00 | ug/l | -0.02 |
| 10) Naphthalene-d8 | 15.09 | 136 | 2941110 | 20.00 | ug/l | -0.02 |
| 17) Acenaphthene-d10 | 20.35 | 164 | 1469033 | 20.00 | ug/l | -0.03 |
| 29) Phenanthrene-d10 | 24.77 | 188 | 2053971 | 20.00 | ug/l | -0.03 |
| 38) Chrysene-d12 | 32.80 | 240 | 1344098 | 20.00 | ug/l | -0.03 |
| 44) Perylene-d12 | 36.86 | 264 | 900435 | 20.00 | ug/l | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 29.86 | 235 | 92979 | 3.94 | ug/mL | -0.21 |
| Spiked Amount 5.000 | | | Recovery = 78.80% | | | |
| **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 | 13.23 | 77 | 100 | 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 | 15.16 | 128 | 1079 | 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 | 20.71 | 165 | 105 | N.D. | | |
| 25) Diethylphthalate | 21.90 | 149 | 459 | 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\JAN1602\31402.D Vial: 19
Acq On : 17 Jan 2002 5:13 am Operator: 209 GALOS
Sample : gc/ms scan 12/28 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 7 11:45 2002 Quant Results File: GCMS0103.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Jan 07 10:31:02 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0103

| 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 | 24.83 | 178 | 237 | N.D. | |
| 34) Anthracene | 24.83 | 178 | 237 | N.D. | |
| 35) Di-n-butylphthalate | 26.80 | 149 | 5633 | 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 | 32.80 | 228 | 3907 | N.D. | |
| 42) Bis(2-ethylhexyl)phthalate | 33.11 | 149 | 11847 | N.D. | |
| 43) Chrysene | 32.89 | 228 | 351 | N.D. | |
| 45) Di-n-Octylphthalate | 34.85 | 149 | 679 | 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 | 36.87 | 252 | 3795 | 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. | |

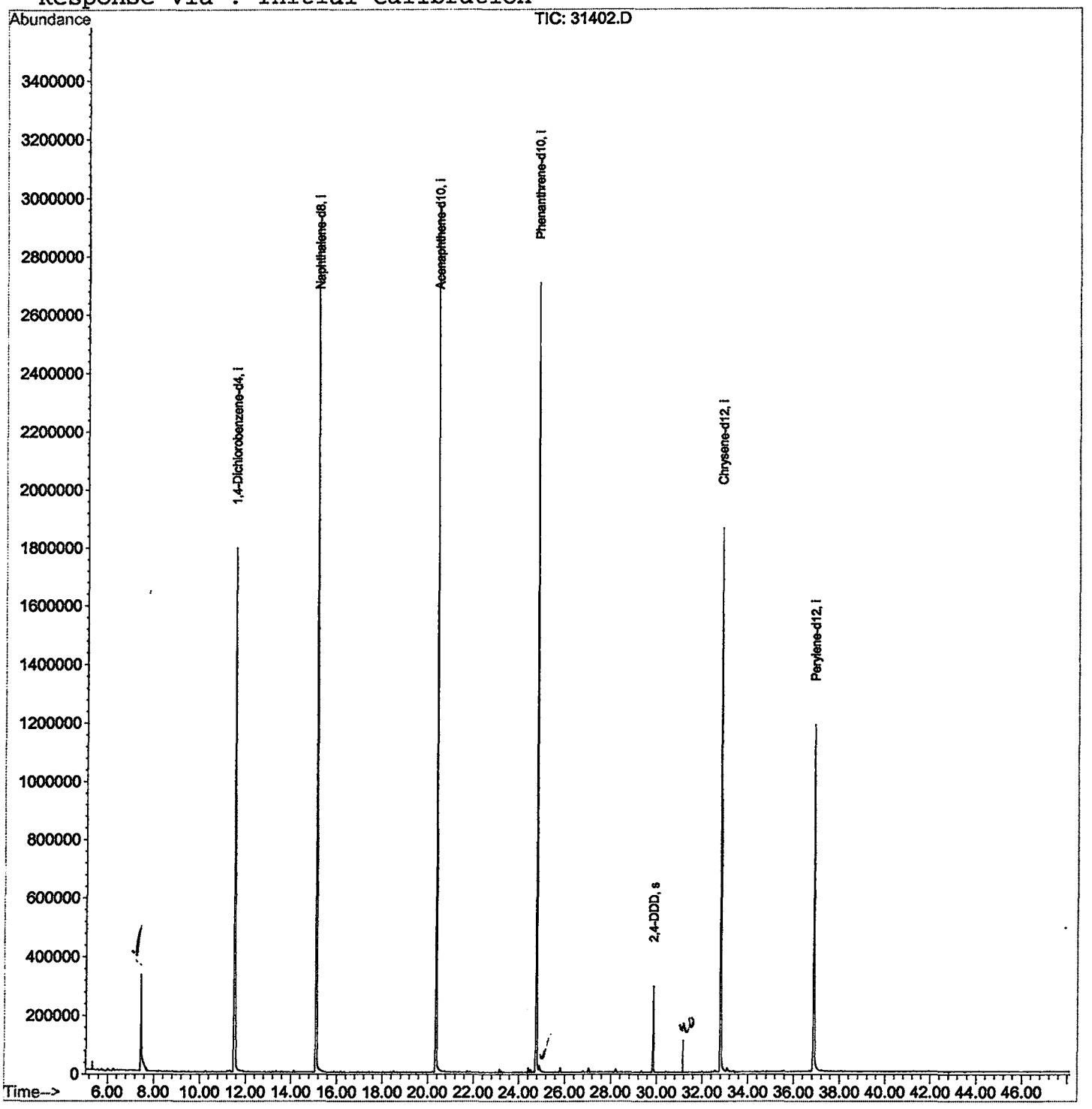
(#) = qualifier out of range (m) = manual integration

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN1602\31402.D
Acq On : 17 Jan 2002 5:13 am
Sample : gc/ms scan 12/28
Misc :
MS Integration Params: GOOFY.P
Quant Time: Feb 7 11:45 2002

Vial: 19
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS0103.RES

Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Jan 07 10:31:02 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\JAN1602\31402.D  Vial: 19
Acq On : 17 Jan 2002 5:13 am  Operator: 209 GALOS
Sample : gc/ms scan 12/28  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0103.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

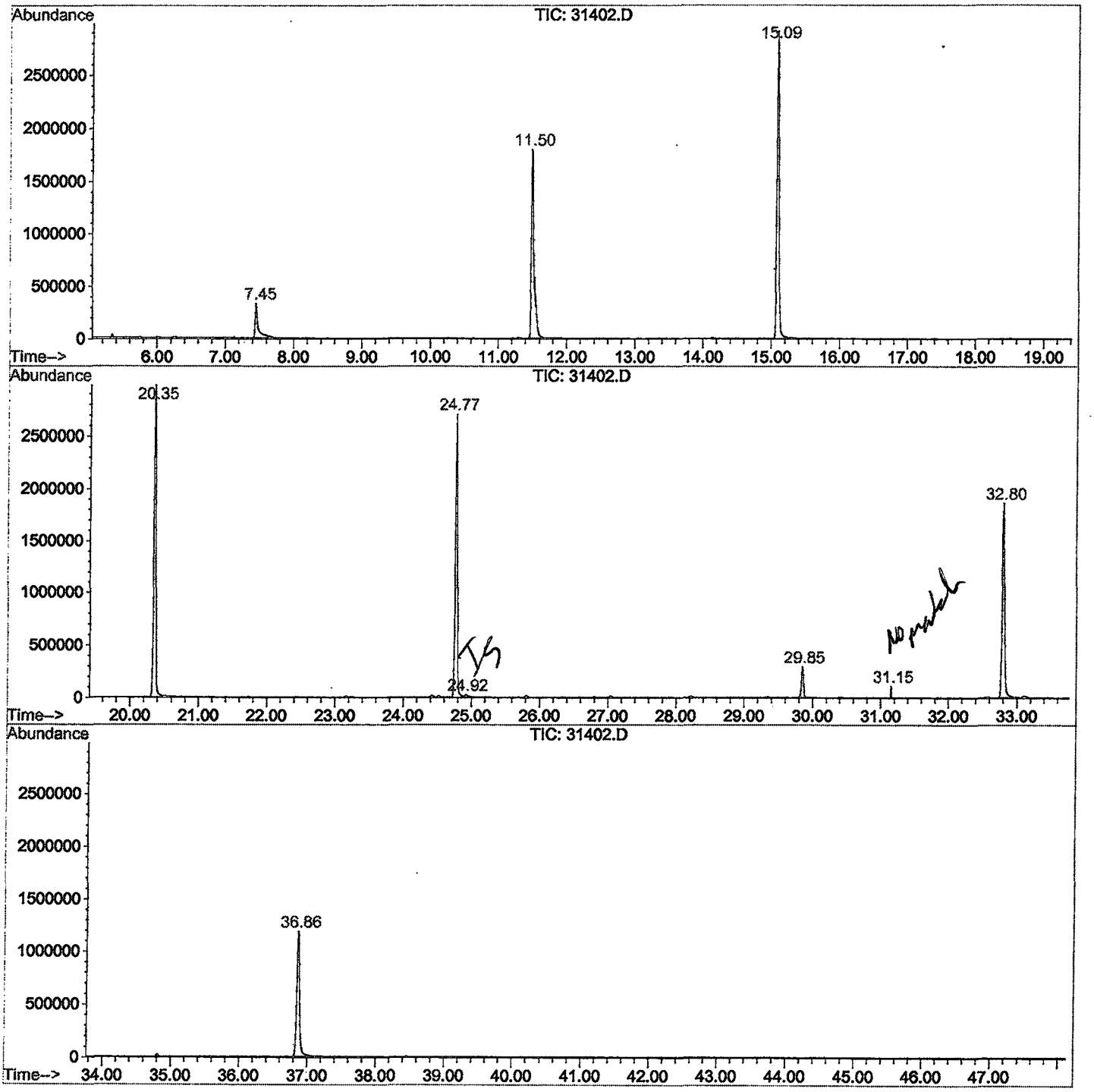
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.447 | 258 | 262 | 282 | rBV | 329310 | 971689 | 15.78% | 3.027% |
| 2 | 11.495 | 699 | 703 | 722 | rBV | 1792582 | 4758551 | 77.26% | 14.825% |
| 3 | 15.094 | 1089 | 1095 | 1113 | rBV | 2908158 | 6040613 | 98.08% | 18.819% |
| 4 | 20.354 | 1662 | 1668 | 1681 | rBV | 2977448 | 6159028 | 100.00% | 19.188% |
| 5 | 24.770 | 2143 | 2149 | 2161 | rBV2 | 2702465 | 5759745 | 93.52% | 17.944% |
| 6 | 24.917 | 2161 | 2165 | 2179 | rVB | 21085 | 73077 | 1.19% | 0.228% |
| 7 | 29.847 | 2697 | 2702 | 2708 | rBV | 292153 | 585249 | 9.50% | 1.823% |
| 8 | 31.150 | 2843 | 2844 | 2846 | rBV | 110459 | 61856 | 1.00% | 0.193% |
| 9 | 32.803 | 3017 | 3024 | 3040 | rBV2 | 1858534 | 4325257 | 70.23% | 13.475% |
| 10 | 36.860 | 3459 | 3466 | 3492 | rBV2 | 1182388 | 3363542 | 54.61% | 10.479% |

Sum of corrected areas: 32098607

31402.D GCMS0103.M Thu Feb 07 12:35:17 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\JAN1602\31402.D
Operator : 209 GALOS
Acquired : 17 Jan 2002 5:13 am using AcqMethod GCMS0103
Instrument : GC/MS 209
Sample Name: gc/ms scan 12/28
Misc Info :
Vial Number: 19
Quant File :GCMS0103.RES (RTE Integrator)




31402.D GCMS0103.M Thu Feb 07 12:35:23 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1602\31402.D
Acq On : 17 Jan 2002 5:13 am
Sample : gc/ms scan 12/28
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

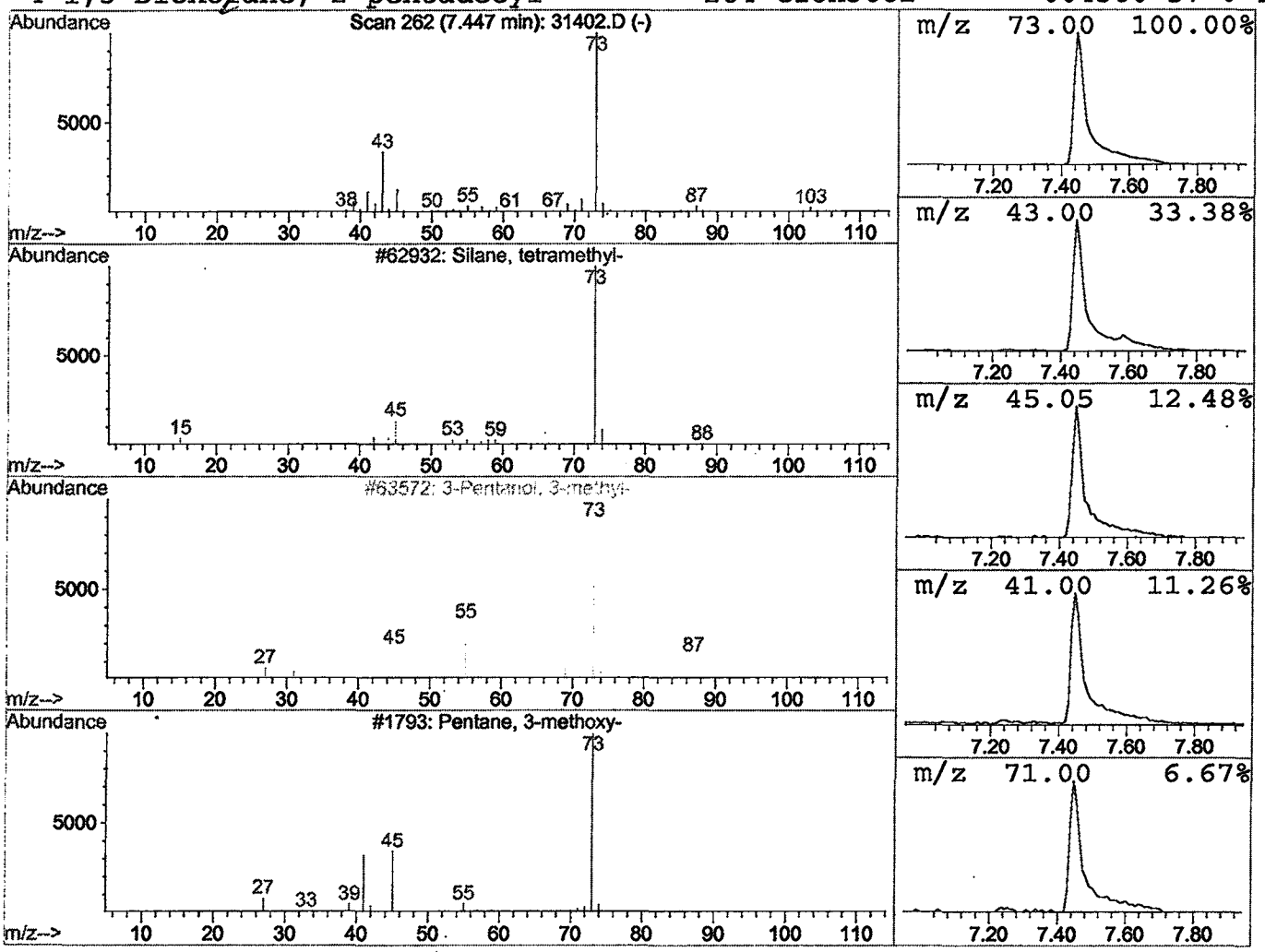
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.45 | 4.08 ug/l | 971689 | 1,4-Dichlorobenzene-d4 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |
| 2 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 9 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |
| 4 | 1,3-Dioxolane, 2-pentadecyl- | 284 | C18H36O2 | 004360-57-0 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1602\31402.D  Vial: 19
Acq On : 17 Jan 2002 5:13 am  Operator: 209 GALOS
Sample : gc/ms scan 12/28  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

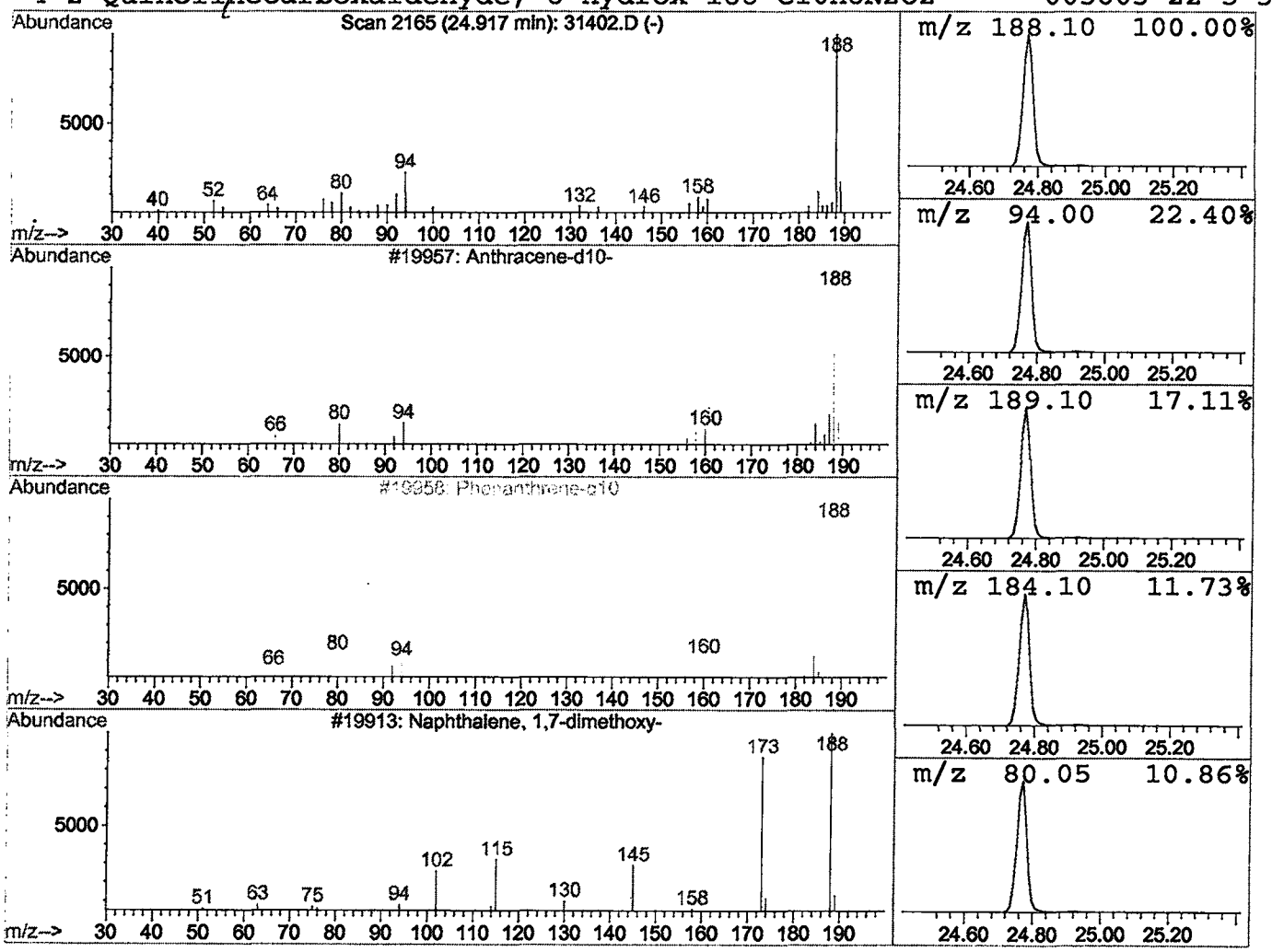
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Anthracene-d10- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.92 | 0.25 ug/l | 73077 | Phenanthrene-d10 | 24.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene-d10- | 188 | C14D10 | 001719-06-8 | 83 |
| 2 | Phenanthrene-d10 | 188 | C14D10 | 001517-22-2 | 59 |
| 3 | Naphthalene, 1,7-dimethoxy- | 188 | C12H12O2 | 005309-18-2 | 38 |
| 4 | 2-Quinolinecarboxaldehyde, 8-hydrox | 188 | C10H8N2O2 | 005603-22-5 | 37 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1602\31402.D
Acq On : 17 Jan 2002 5:13 am
Sample : gc/ms scan 12/28
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

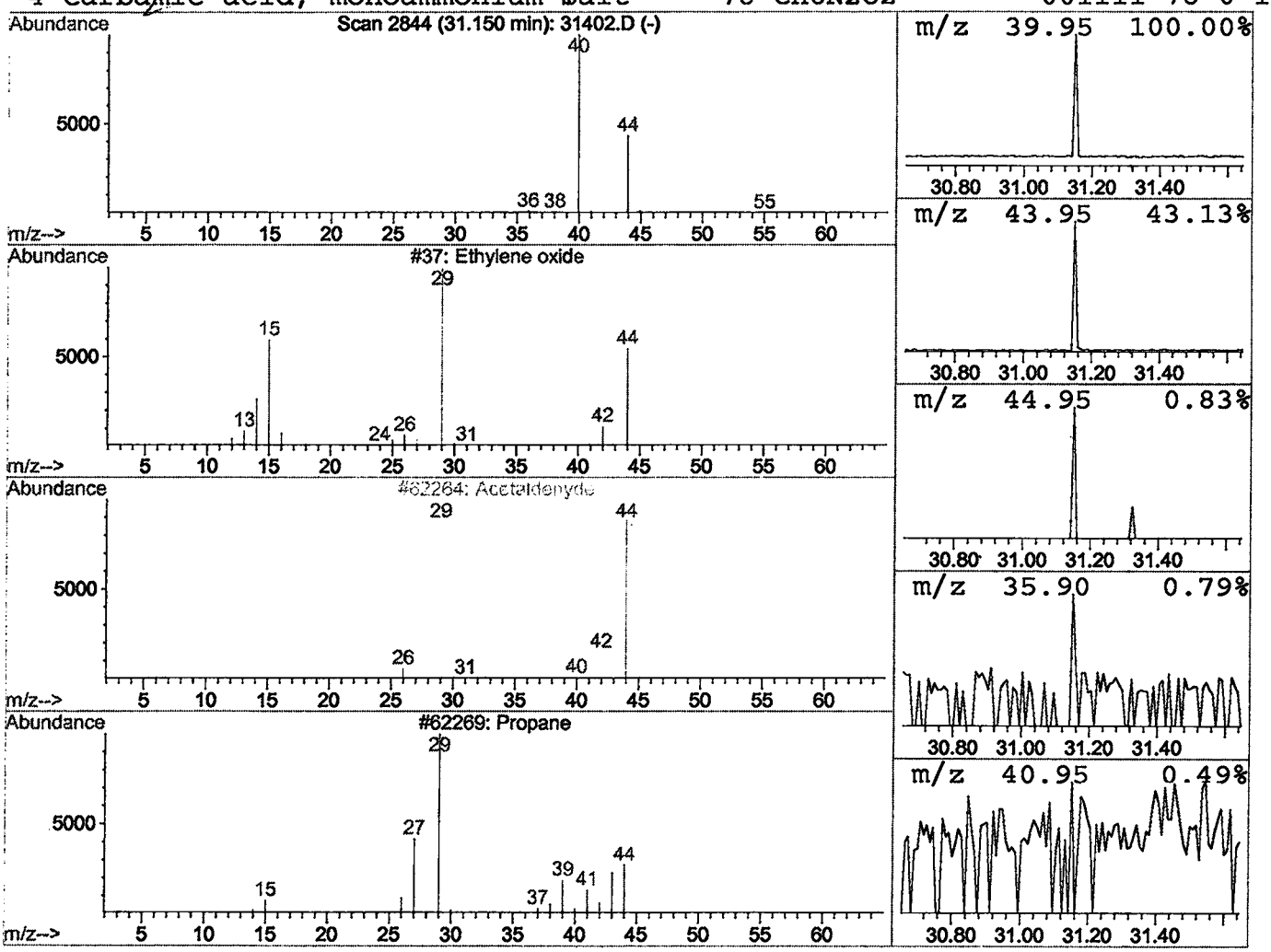
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 Ethylene oxide Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 31.15 | 0.29 ug/l | 61856 | Chrysene-d12 | 32.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethylene oxide | 44 | C2H4O | 000075-21-8 | 3 |
| 2 | Acetaldehyde | 44 | C2H4O | 000075-07-0 | 3 |
| 3 | Propane | 44 | C3H8 | 000074-98-6 | 1 |
| 4 | Carbamic acid, monoammonium salt | 78 | CH6N2O2 | 001111-78-0 | 1 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 17 Jan 2002 5:13 am
Data File: C:\HPCHEM\1\DATA\JAN1602\31402.D
Name: gc/ms scan 12/28
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0103.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 |
|---|---|---|---|---|---|---|---|---|
| Silane, tetramethyl- | 7.45 | 4.1 | ug/l | 971689 | ISTD01 | 11.50 | 4758550 | 20.0 |
| Anthracene-d10 | 24.92 | 0.3 | ug/l | 73077 | ISTD04 | 24.77 | 5759750 | 20.0 |
| Ethylene oxide | 31.15 | 0.3 | ug/l | 61856 | ISTD05 | 32.80 | 4325260 | 20.0 |

31402.D GCMS0103.M Thu Feb 07 12:35:42 2002