User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/03/2001 Time: 13:07:30

Sample: AD26164
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/3/01 12:49 Ended: 12/3/01 12:49 Analyst: MG
Page: 1

| | Component Name | Viol | Result |
|---|---|---|---|
| 1 | Other unknown compounds | | see comment |

**Comments for Sample AD26164 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 12-03-2001 Time: 13:07:42

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV3001\26164.D Vial: 61
Acq On : 1 Dec 2001 1:27 am Operator: 209 GALOS
Sample : 11/2 gc/ms Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 2:15 2001 Quant Results File: NP112601.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112601.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Nov 27 09:03:50 2001
Response via : Initial Calibration
DataAcq Meth : NP112601

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.70 | 152 | 809144 | 20.00 | ug/l | 0.00 |
| 19) Naphthalene-d8 | 15.30 | 136 | 3137357 | 20.00 | ug/l | 0.00 |
| 31) Acenaphthene-d10 | 20.58 | 164 | 1445259 | 20.00 | ug/l | 0.00 |
| 49) Phenanthrene-d10 | 25.00 | 188 | 1964867 | 20.00 | ug/l | 0.00 |
| 59) Chrysene-d12 | 33.03 | 240 | 1189404 | 20.00 | ug/l | 0.00 |
| 68) Perylene-d12 | 37.13 | 264 | 853447 | 20.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 0.00 | 112 | 0 | 0.00 | ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | | |
| 5) Phenol-d5 | 0.00 | 99 | 0 | 0.00 | ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | | |
| 6) 2-Chlorophenol-d4 | 11.70 | 132 | 922 | 0.02 | ug/l | 0.49 |
| Spiked Amount 75.000 | | | Recovery = | 0.03% | | |
| 7) 1,2-Dichlorobenzene-d4 | 12.22 | 152 | 10493 | 0.31 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 0.62% | | |
| 20) Nitrobenzene-d5 | 0.00 | 82 | 0 | 0.00 | ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | | |
| 32) 2-Fluorobiphenyl | 18.73 | 172 | 3244 | 0.04 | ug/l | 0.14 |
| Spiked Amount 50.000 | | | Recovery = | 0.08% | | |
| 33) 2,4,6-Tribromophenol | 0.00 | 330 | 0 | 0.00 | ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | | |
| 62) Terphenyl-d14 | 0.00 | 244 | 0 | 0.00 | ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Pyridine | 0.00 | 79 | 0 | N.D. | | |
| 3) N-nitroso-dimethyl amine | 0.00 | 74 | 0 | N.D. | | |
| 8) Phenol | 0.00 | 94 | 0 | N.D. | | |
| 9) bis(2-Chloroethyl)ether | 0.00 | 93 | 0 | N.D. | | |
| 10) 2-Chlorophenol | 0.00 | 128 | 0 | N.D. | | |
| 11) 1,3-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 12) 1,4-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 13) 1,2-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 14) 2-Methylphenol | 0.00 | 108 | 0 | N.D. | | |
| 15) 2,2'-oxybis(1-Chloropropan | 0.00 | 45 | 0 | N.D. | | |
| 16) 3&4-Methylphenol | 0.00 | 108 | 0 | N.D. | | |
| 17) N-Nitroso-di-n-propylamine | 0.00 | 70 | 0 | N.D. | | |
| 18) Hexachloroethane | 0.00 | 117 | 0 | N.D. | | |
| 21) Nitrobenzene | 0.00 | 77 | 0 | N.D. | | |
| 22) Isophorone | 0.00 | 82 | 0 | N.D. | | |

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



NYC-WTC_000031065

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV3001\26164.D Vial: 61
Acq On : 1 Dec 2001 1:27 am Operator: 209 GALOS
Sample : 11/2 gc/ms Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 2:15 2001 Quant Results File: NP112601.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112601.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Nov 27 09:03:50 2001
Response via : Initial Calibration
DataAcq Meth : NP112601

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 23) 2-Nitrophenol | 0.00 | 139 | 0 | N.D. | |
| 24) 2,4-Dimethylphenol | 0.00 | 107 | 0 | N.D. | |
| 25) bis(2-Chloroethoxy)methane | 0.00 | 93 | 0 | N.D. | |
| 26) 2,4-Dichlorophenol | 0.00 | 162 | 0 | N.D. | |
| 27) 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | |
| 28) Naphthalene | 15.36 | 128 | 336 | N.D. | |
| 29) Hexachlorobutadiene | 0.00 | 225 | 0 | N.D. | |
| 30) 4-Chloro-3-methylphenol | 0.00 | 107 | 0 | N.D. | |
| 34) Hexachlorocyclopentadiene | 0.00 | 237 | 0 | N.D. | |
| 35) 2,4,6-Trichlorophenol | 0.00 | 196 | 0 | N.D. | |
| 36) 2,4,5-Trichlorophenol | 0.00 | 196 | 0 | N.D. | |
| 37) 2-Chloronaphthalene | 0.00 | 162 | 0 | N.D. | |
| 38) Dimethylphthalate | 0.00 | 163 | 0 | N.D. | |
| 39) 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | |
| 40) Acenaphthylene | 0.00 | 152 | 0 | N.D. | |
| 41) Acenaphthene | 0.00 | 153 | 0 | N.D. | |
| 42) 2,4-Dinitrophenol | 0.00 | 184 | 0 | N.D. | |
| 43) 4-Nitrophenol | 21.04 | 65 | 204 | N.D. | |
| 44) 2,4-Dinitrotoluene | 21.06 | 165 | 173 | N.D. | |
| 45) Diethylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | |
| 47) Fluorene | 0.00 | 166 | 0 | N.D. | |
| 48) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | |
| 50) 4,6-Dinitro-2-methylphenol | 0.00 | 198 | 0 | N.D. | |
| 51) N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 52) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 53) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 54) Pentachlorophenol | 0.00 | 266 | 0 | N.D. | |
| 55) Phenanthrene | 25.01 | 178 | 544 | N.D. | |
| 56) Anthracene | 25.01 | 178 | 544 | N.D. | |
| 57) Di-n-butylphthalate | 27.01 | 149 | 2355 | N.D. | |
| 58) Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 60) 3,3'-Dichlorobenzidine | 0.00 | 252 | 0 | N.D. | |
| 61) Benzidine | 0.00 | 184 | 0 | N.D. | |
| 63) Pyrene | 0.00 | 202 | 0 | N.D. | |
| 64) Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 65) Benzo(a)anthracene | 33.03 | 228 | 2903 | N.D. | |
| 66) Bis(2-ethylhexyl)phthalate | 33.31 | 149 | 6207 | N.D. | |
| 67) Chrysene | 33.03 | 228 | 2903 | N.D. | |
| 69) Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 70) Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |

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



NYC-WTC_000031066

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV3001\26164.D Vial: 61
Acq On : 1 Dec 2001 1:27 am Operator: 209 GALOS
Sample : 11/2 gc/ms Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 2:15 2001 Quant Results File: NP112601.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112601.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Nov 27 09:03:50 2001
Response via : Initial Calibration
DataAcq Meth : NP112601

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 71) Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 72) Benzo(a)pyrene | 37.12 | 252 | 3504 | N.D. | |
| 73) Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 74) Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 75) Benzo(g,h,i)perylene | 0.00 | 276 | 0 | N.D. | |

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



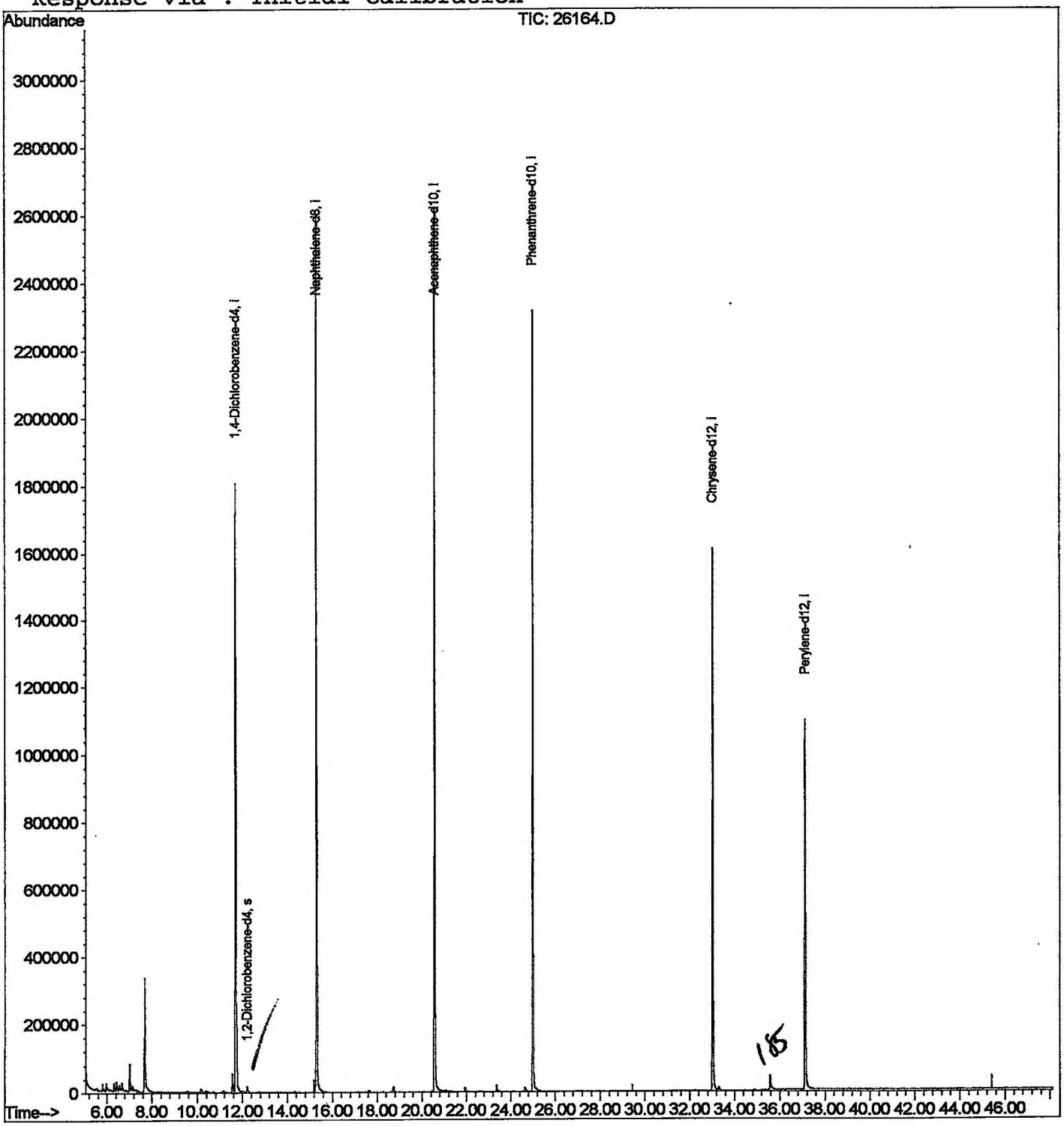
NYC-WTC_000031067

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26164.D Vial: 61
Acq On : 1 Dec 2001 1:27 am Operator: 209 GALOS
Sample : 11/2 gc/ms Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 2:15 2001 Quant Results File: NP112601.RES

Method : C:\HPCHEM\1\METHODS\NP112601.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Nov 27 09:03:50 2001
Response via : Initial Calibration






NYC-WTC_000031068

NYC 9/11 Public Portal Document

# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26164.D  Vial: 61
Acq On : 1 Dec 2001 1:27 am  Operator: 209 GALOS
Sample : 11/2 gc/ms  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP112601.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 | 6.436 | 148 | 152 | 161 | rVV | 27064 | 68487 | 1.15% | 0.231% |
| 2 | 7.024 | 212 | 216 | 223 | rBV | 77513 | 164165 | 2.76% | 0.554% |
| 3 | 7.676 | 284 | 287 | 302 | rBV | 334384 | 769038 | 12.94% | 2.594% |
| 4 | 11.559 | 705 | 710 | 719 | rBV | 54891 | 132915 | 2.24% | 0.448% |
| 5 | 11.697 | 719 | 725 | 746 | rVV | 1804136 | 4482770 | 75.43% | 15.123% |
| 6 | 15.305 | 1111 | 1118 | 1137 | rBV | 2600966 | 5943198 | 100.00% | 20.050% |
| 7 | 20.583 | 1686 | 1693 | 1715 | rBV | 2622492 | 5908363 | 99.41% | 19.932% |
| 8 | 24.999 | 2167 | 2174 | 2187 | rBV2 | 2314904 | 5161669 | 86.85% | 17.413% |
| 9 | 33.032 | 3042 | 3049 | 3064 | rBV2 | 1609673 | 3784072 | 63.67% | 12.766% |
| 10 | 35.584 | 3320 | 3327 | 3340 | rBV | 43663 | 140115 | 2.36% | 0.473% |
| 11 | 37.126 | 3487 | 3495 | 3508 | rBV2 | 1092171 | 3087224 | 51.95% | 10.415% |

Sum of corrected areas: 29642016

26164.D NP112601.M Mon Dec 03 12:20:05 2001

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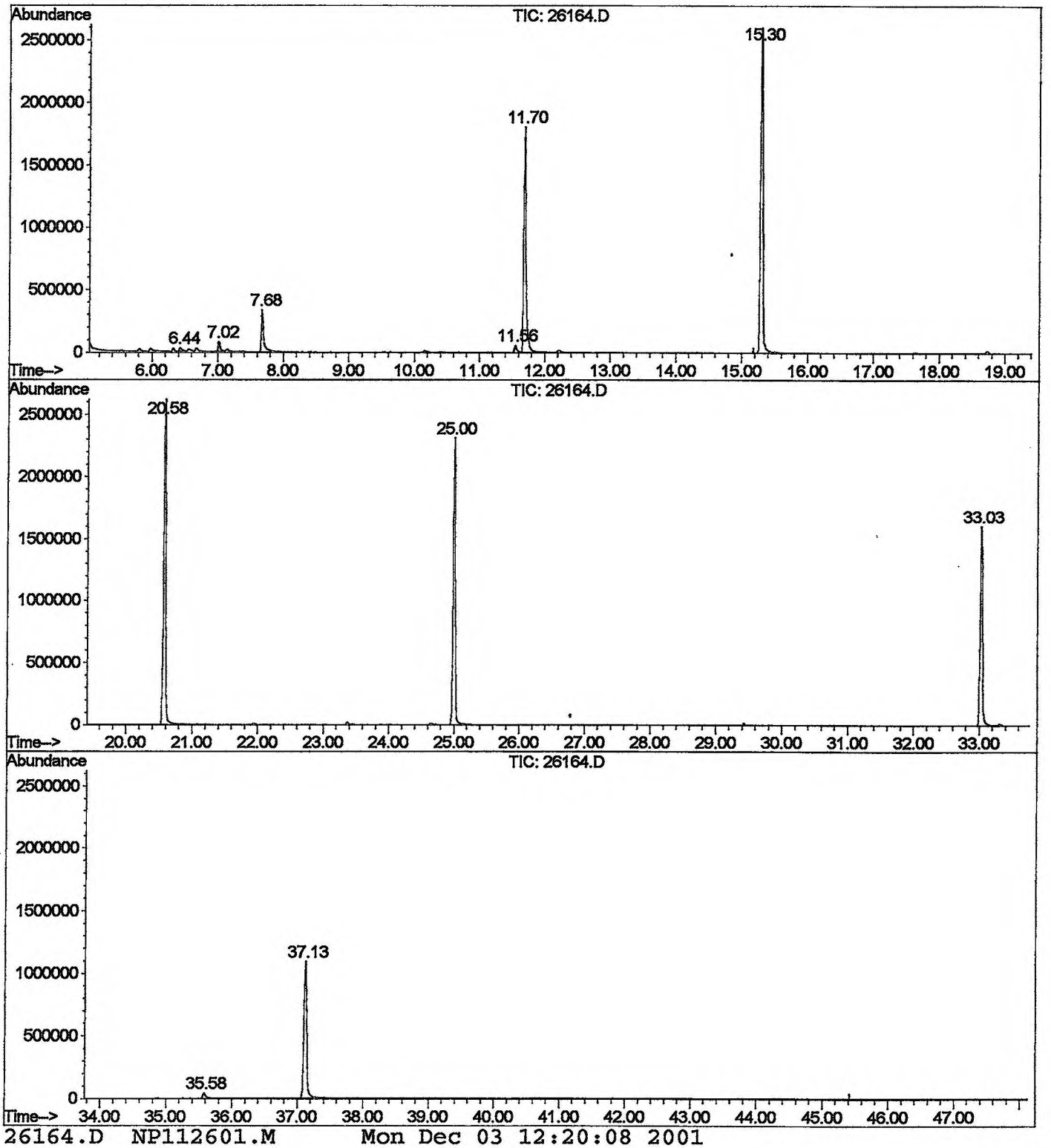
# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV3001\26164.D
Operator : 209 GALOS
Acquired : 1 Dec 2001 1:27 am using AcqMethod NP112601
Instrument : GC/MS 209
Sample Name: 11/2 gc/ms
Misc Info :
Vial Number: 61
Quant File :NP112601.RES (RTE Integrator)




26164.D NP112601.M Mon Dec 03 12:20:08 2001

NYC-WTC_000031070

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26164.D
Acq On : 1 Dec 2001 1:27 am
Sample : 11/2 gc/ms
Misc :
MS Integration Params: LSCINT.P

Vial: 61
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

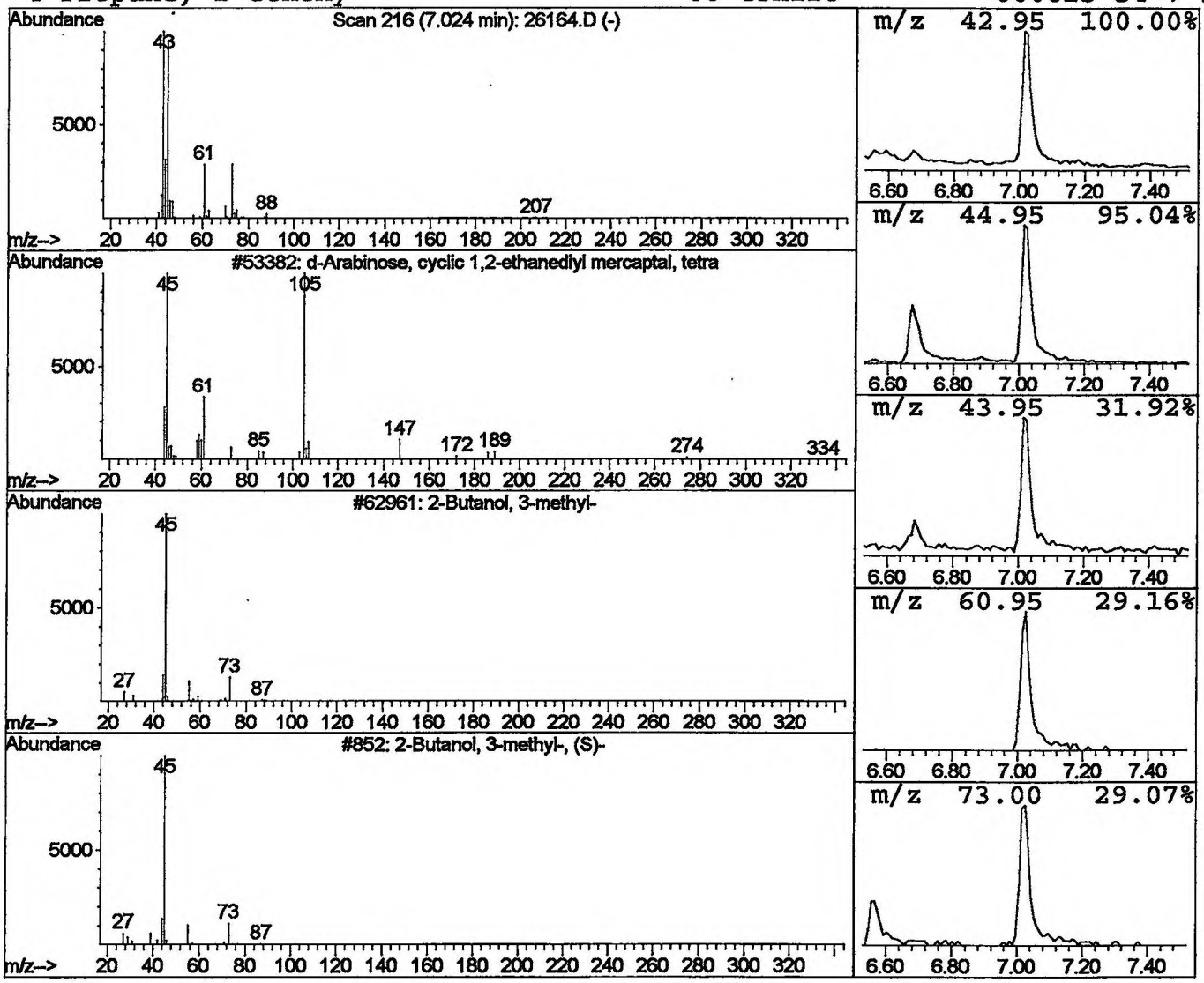
Quant Method : C:\HPCHEM\1\METHODS\NP112601.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 d-Arabinose, cyclic 1,2-ethane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.02 | 0.73 ug/l | 164165 | 1,4-Dichlorobenzene-d4 | 11.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | d-Arabinose, cyclic 1,2-ethanediyl | 394 | C15H22O8S2 | 040733-16-2 | 43 |
| 2 | 2-Butanol, 3-methyl- | 88 | C5H12O | 000598-75-4 | 9 |
| 3 | 2-Butanol, 3-methyl-, (S)- | 88 | C5H12O | 001517-66-4 | 9 |
| 4 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 9 |






NYC-WTC_000031071

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26164.D
Acq On : 1 Dec 2001 1:27 am
Sample : 11/2 gc/ms
Misc :
MS Integration Params: LSCINT.P

Vial: 61
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

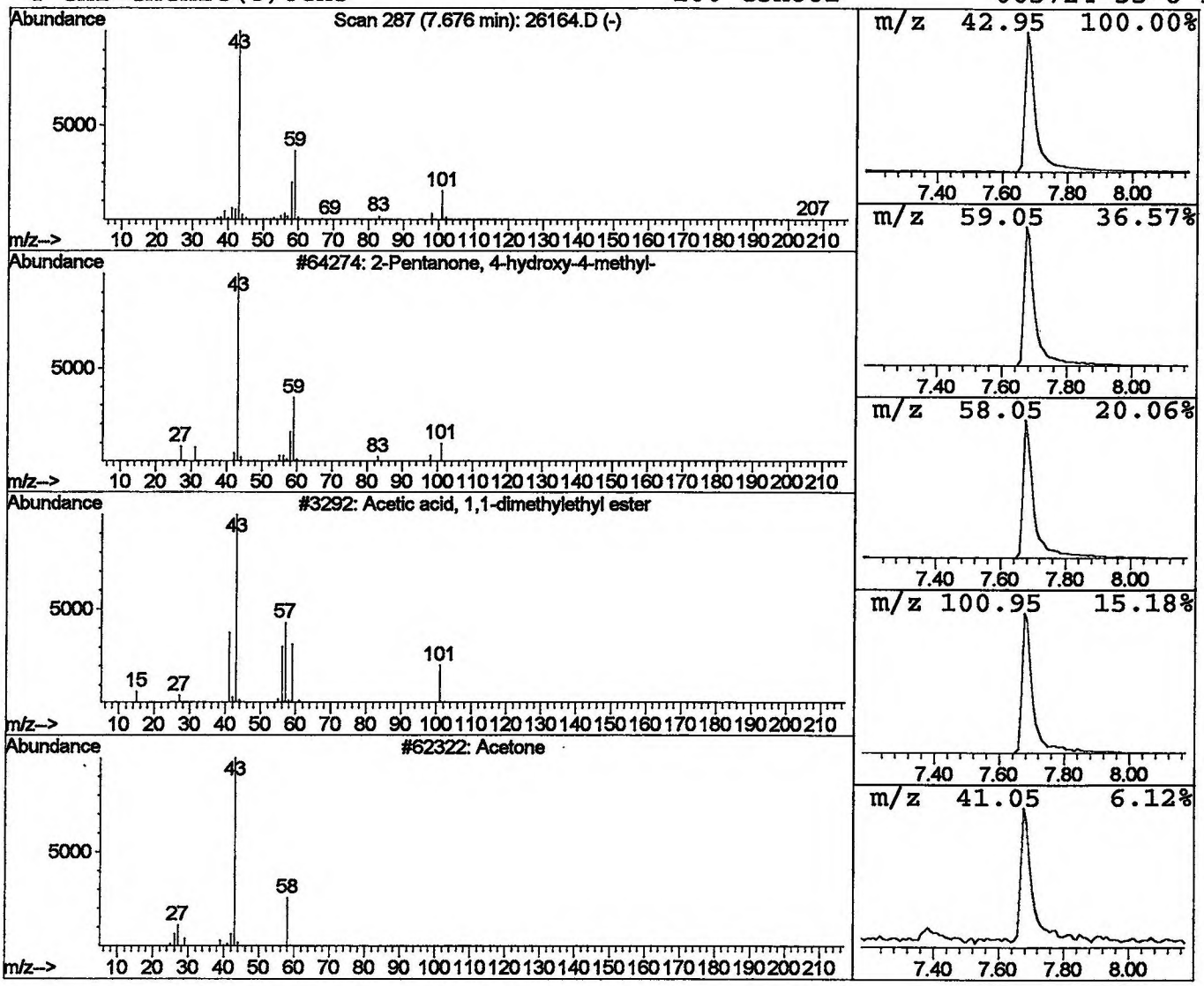
Quant Method : C:\HPCHEM\1\METHODS\NP112601.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.68 | 3.43 ug/l | 769038 | 1,4-Dichlorobenzene-d4 | 11.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 78 |
| 2 | Acetic acid, 1,1-dimethylethyl este | 116 | C6H12O2 | 000540-88-5 | 36 |
| 3 | Acetone | 58 | C3H6O | 000067-64-1 | 32 |
| 4 | CH2=CHCH2C(O)OCH3 | 100 | C5H8O2 | 003724-55-8 | 12 |






NYC-WTC_000031072

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26164.D
Acq On : 1 Dec 2001 1:27 am
Sample : 11/2 gc/ms
Misc :
MS Integration Params: LSCINT.P

Vial: 61
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

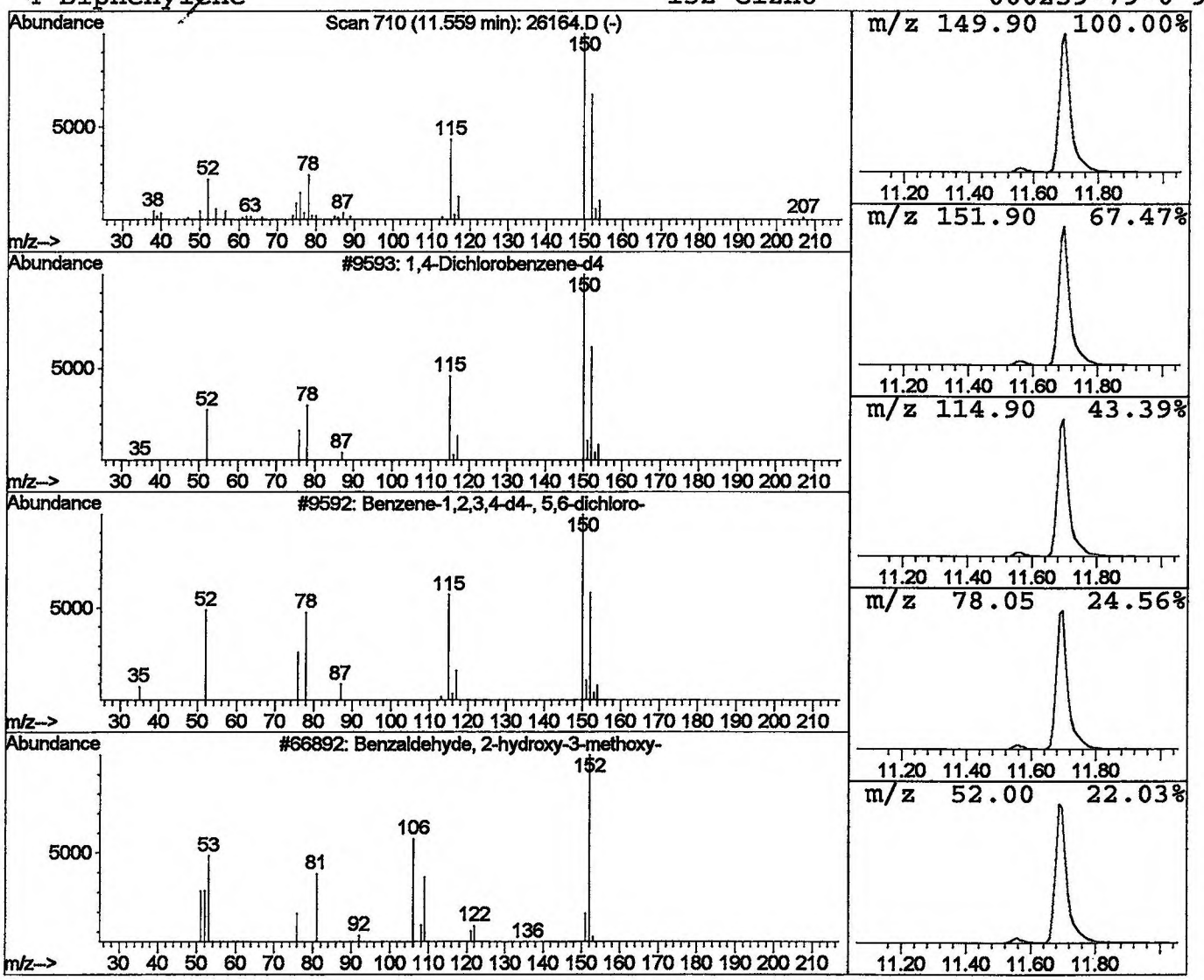
Quant Method : C:\HPCHEM\1\METHODS\NP112601.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 1,4-Dichlorobenzene-d4 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.56 | 0.59 ug/l | 132915 | 1,4-Dichlorobenzene-d4 | 11.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 150 | C6Cl2D4 | 003855-82-1 | 97 |
| 2 | Benzene-1,2,3,4-d4-, 5,6-dichloro- | 150 | C6Cl2D4 | 002199-69-1 | 53 |
| 3 | Benzaldehyde, 2-hydroxy-3-methoxy- | 152 | C8H8O3 | 000148-53-8 | 35 |
| 4 | Biphenylene | 152 | C12H8 | 000259-79-0 | 9 |






NYC-WTC_000031073

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26164.D
Acq On : 1 Dec 2001 1:27 am
Sample : 11/2 gc/ms
Misc :
MS Integration Params: LSCINT.P

Vial: 61
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

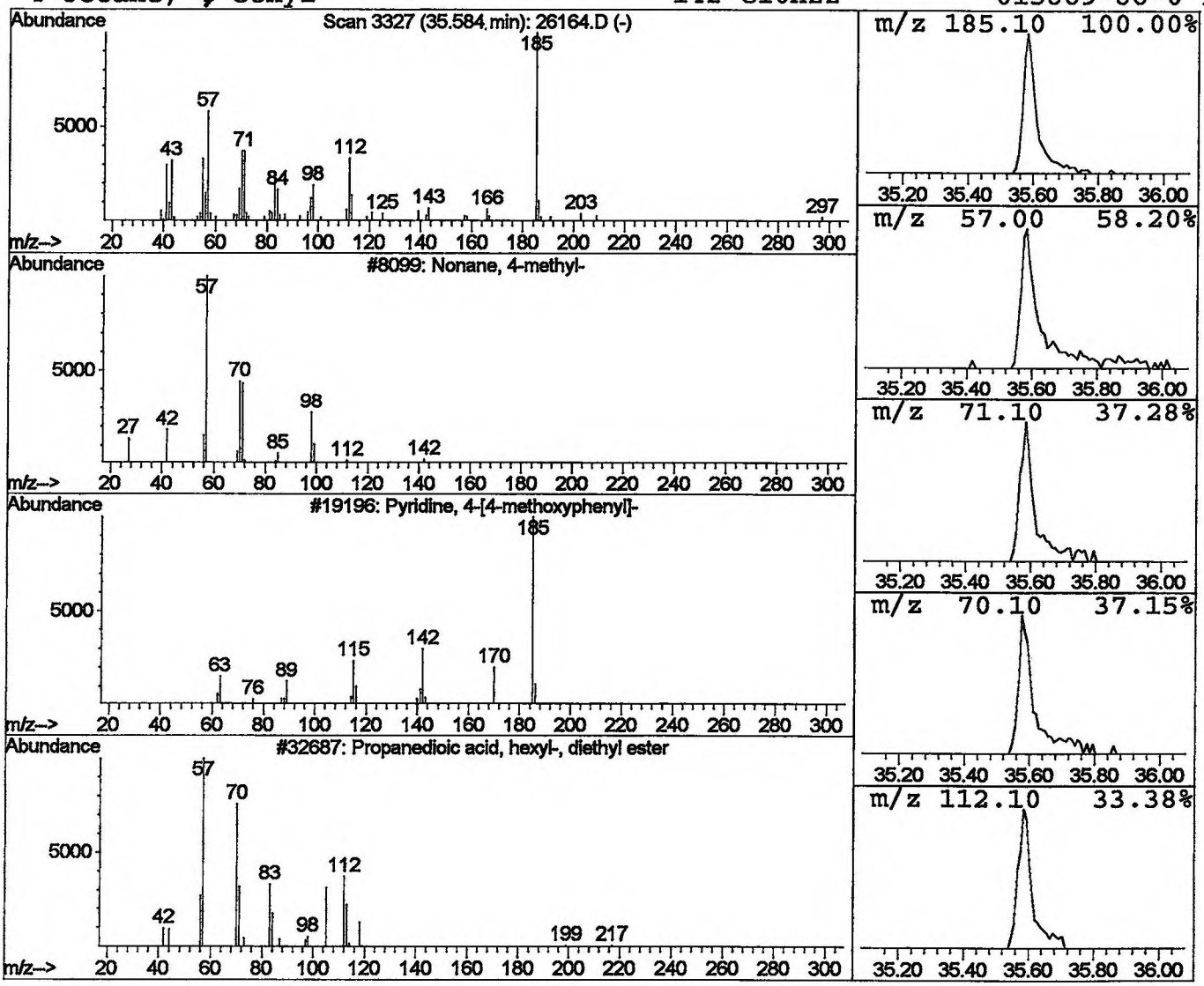
Quant Method : C:\HPCHEM\1\METHODS\NP112601.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 4 Nonane, 4-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 35.58 | 0.91 ug/l | 140115 | Perylene-d12 | 37.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 4-methyl- | 142 | C10H22 | 017301-94-9 | 14 |
| 2 | Pyridine, 4-[4-methoxyphenyl]- | 185 | C12H11NO | 000000-00-0 | 12 |
| 3 | Propanedioic acid, hexyl-, diethyl | 244 | C13H24O4 | 005398-10-7 | 12 |
| 4 | Octane, 4-ethyl- | 142 | C10H22 | 015869-86-0 | 9 |






NYC-WTC_000031074

NYC 9/11 Public Portal Document

# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 1 Dec 2001 1:27 am
Data File: C:\HPCHEM\1\DATA\NOV3001\26164.D
Name: 11/2 gc/ms
Misc:
Method: C:\HPCHEM\1\METHODS\NP112601.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 |
|---|---|---|---|---|---|---|---|---|
| d-Arabinose, cyclic | 7.02 | 0.7 | ug/l | 164165 | ISTD01 | 11.70 | 4482770 | 20.0 |
| 2-Pentanone, 4-hydro | 7.68 | 3.4 | ug/l | 769038 | ISTD01 | 11.70 | 4482770 | 20.0 |
| 1,4-Dichlorobenzene- | 11.56 | 0.6 | ug/l | 132915 | ISTD01 | 11.70 | 4482770 | 20.0 |
| Nonane, 4-methyl- | 35.58 | 0.9 | ug/l | 140115 | ISTD06 | 37.13 | 3087220 | 20.0 |

26164.D NP112601.M Mon Dec 03 12:20:19 2001