**Comments for Sample AD28668 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 14:37:43

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recovery for the Surrogate Standard in this sample was 80%. Recoveries for 16 of the 44 compounds in the LCS Standard were outside of their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28668.D Vial: 44
Acq On : 30 Nov 2001 5:13 am Operator: 209 GALOS
Sample : 11/23 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 15:15 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.70 | 152 | 810498 | 20.00 | ug/l | 0.00 |
| 15) Naphthalene-d8 | 15.31 | 136 | 3100626 | 20.00 | ug/l | 0.00 |
| 26) Acenaphthene-d10 | 20.58 | 164 | 1470708 | 20.00 | ug/l | 0.00 |
| 42) Phenanthrene-d10 | 24.99 | 188 | 2069751 | 20.00 | ug/l | 0.00 |
| 53) Chrysene-d12 | 33.02 | 240 | 1105070 | 20.00 | ug/l | 0.00 |
| 59) Perylene-d12 | 37.11 | 264 | 689783 | 20.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 52) 2,4-DDD | 30.07 | 235 | 98041 | 3.98 | ug/mL | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 79.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Pyridine | 0.00 | 79 | 0 | N.D. | | |
| 3) N-nitroso-dimethyl amine | 5.19 | 74 | 479 | N.D. | | |
| 4) Phenol | 0.00 | 94 | 0 | N.D. | | |
| 5) bis(2-Chloroethyl)ether | 0.00 | 93 | 0 | N.D. | | |
| 6) 2-Chlorophenol | 0.00 | 128 | 0 | N.D. | | |
| 7) 1,3-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 8) 1,4-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 9) 1,2-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 10) 2-Methylphenol | 0.00 | 108 | 0 | N.D. | | |
| 11) 2,2'-oxybis(1-Chloropropan | 0.00 | 45 | 0 | N.D. | | |
| 12) 3&4-Methylphenol | 0.00 | 108 | 0 | N.D. | | |
| 13) N-Nitroso-di-n-propylamine | 0.00 | 70 | 0 | N.D. | | |
| 14) Hexachloroethane | 0.00 | 117 | 0 | N.D. | | |
| 16) Nitrobenzene | 0.00 | 77 | 0 | N.D. | | |
| 17) Isophorone | 0.00 | 82 | 0 | N.D. | | |
| 18) 2-Nitrophenol | 0.00 | 139 | 0 | N.D. | | |
| 19) 2,4-Dimethylphenol | 0.00 | 107 | 0 | N.D. | | |
| 20) bis(2-Chloroethoxy)methane | 0.00 | 93 | 0 | N.D. | | |
| 21) 2,4-Dichlorophenol | 0.00 | 162 | 0 | N.D. | | |
| 22) 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | | |
| 23) Naphthalene | 15.35 | 128 | 509 | N.D. | | |
| 24) Hexachlorobutadiene | 0.00 | 225 | 0 | N.D. | | |
| 25) 4-Chloro-3-methylphenol | 0.00 | 107 | 0 | N.D. | | |
| 27) Hexachlorocyclopentadiene | 0.00 | 237 | 0 | N.D. | | |
| 28) 2,4,6-Trichlorophenol | 0.00 | 196 | 0 | N.D. | | |
| 29) 2,4,5-Trichlorophenol | 0.00 | 196 | 0 | N.D. | | |
| 30) 2-Chloronaphthalene | 0.00 | 162 | 0 | N.D. | | |
| 31) Dimethylphthalate | 0.00 | 163 | 0 | N.D. | | |
| 32) 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | d | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28668.D Vial: 44
Acq On : 30 Nov 2001 5:13 am Operator: 209 GALOS
Sample : 11/23 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 15:15 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 33) Acenaphthylene | 0.00 | 152 | 0 | N.D. | |
| 34) Acenaphthene | 0.00 | 153 | 0 | N.D. | |
| 35) 2,4-Dinitrophenol | 0.00 | 184 | 0 | N.D. | |
| 36) 4-Nitrophenol | 0.00 | 65 | 0 | N.D. | |
| 37) 2,4-Dinitrotoluene | 21.11 | 165 | 173 | N.D. | |
| 38) Diethylphthalate | 22.09 | 149 | 600 | N.D. | |
| 39) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | |
| 40) Fluorene | 0.00 | 166 | 0 | N.D. | |
| 41) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | |
| 43) 4,6-Dinitro-2-methylphenol | 0.00 | 198 | 0 | N.D. | |
| 44) N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 45) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 46) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 47) Pentachlorophenol | 0.00 | 266 | 0 | N.D. | |
| 48) Phenanthrene | 25.06 | 178 | 196 | N.D. | |
| 49) Anthracene | 25.06 | 178 | 196 | N.D. | |
| 50) Di-n-butylphthalate | 27.00 | 149 | 7179 | N.D. | |
| 51) Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 54) Pyrene | 0.00 | 202 | 0 | N.D. | |
| 55) Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 56) Benzo(a)anthracene | 33.02 | 228 | 2381 | N.D. | |
| 57) Bis(2-ethylhexyl)phthalate | 33.30 | 149 | 1668 | N.D. | |
| 58) Chrysene | 33.02 | 228 | 2381 | N.D. | |
| 60) Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 61) Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 62) Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 63) Benzo(a)pyrene | 37.12 | 252 | 2542 | N.D. | |
| 64) Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 65) Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 66) Benzo(g,h,i)perylene | 0.00 | 276 | 0 | N.D. | |

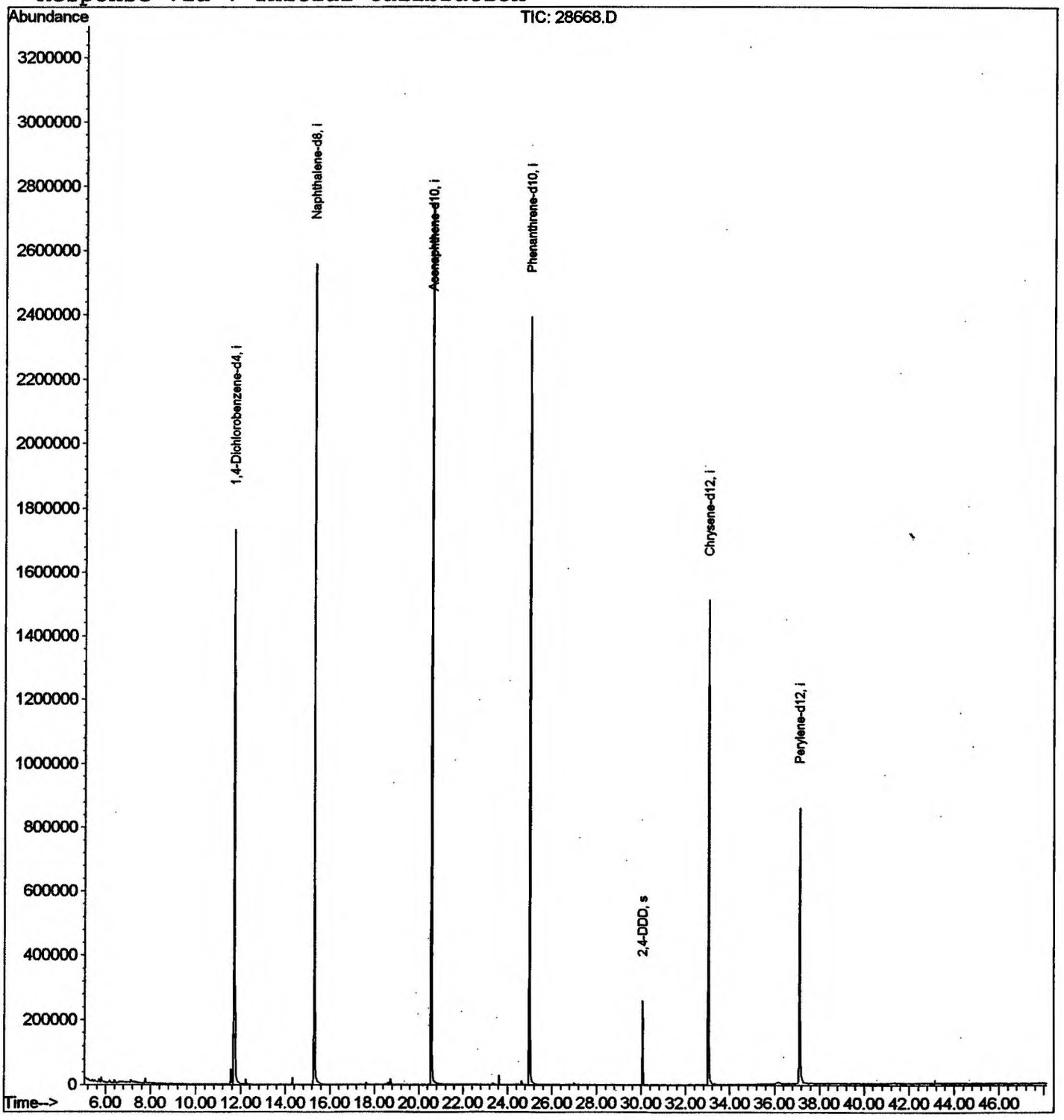
(#) = qualifier out of range (m) = manual integration

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28668.D
Acq On : 30 Nov 2001 5:13 am
Sample : 11/23 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 15:15 2001

Vial: 44
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28668.D  Vial: 44
Acq On : 30 Nov 2001 5:13 am  Operator: 209 GALOS
Sample : 11/23 scan  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS1126.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

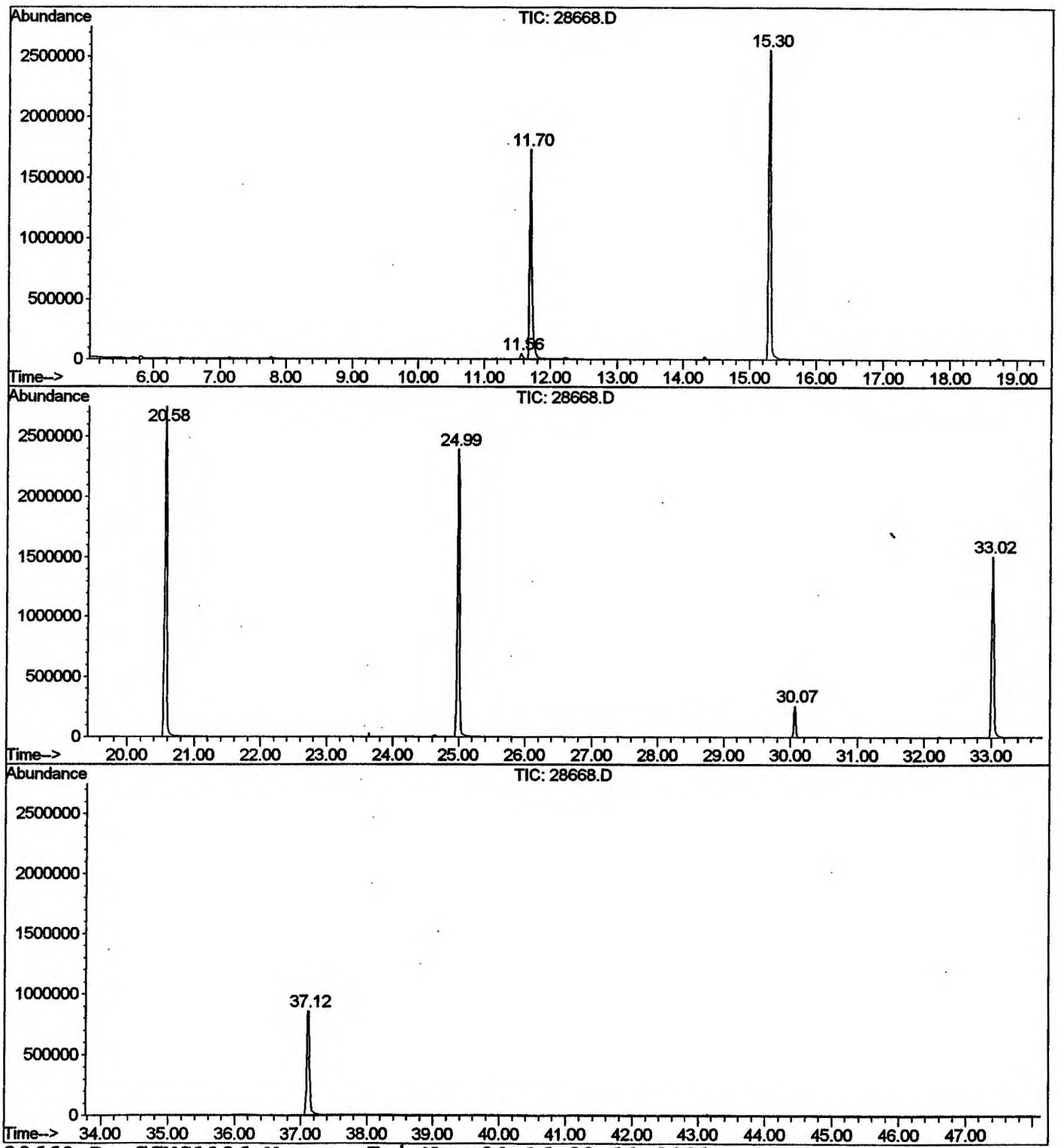
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.560 | 706 | 710 | 720 | rBV | 45938 | 106938 | 1.81% | 0.386% |
| 2 | 11.698 | 720 | 725 | 742 | rBV | 1728641 | 4234442 | 71.59% | 15.303% |
| 3 | 15.297 | 1112 | 1117 | 1136 | rBV | 2555435 | 5694666 | 96.28% | 20.580% |
| 4 | 20.575 | 1686 | 1692 | 1708 | rBV | 2745655 | 5914919 | 100.00% | 21.376% |
| 5 | 24.991 | 2167 | 2173 | 2185 | rBV2 | 2392295 | 5215247 | 88.17% | 18.848% |
| 6 | 30.068 | 2721 | 2726 | 2731 | rBV | 258644 | 519126 | 8.78% | 1.876% |
| 7 | 33.024 | 3041 | 3048 | 3068 | rBV2 | 1510911 | 3497579 | 59.13% | 12.640% |
| 8 | 37.118 | 3486 | 3494 | 3513 | rBV2 | 853542 | 2487376 | 42.05% | 8.989% |

Sum of corrected areas: 27670293

28668.D GCMS1126.M Fri Nov 30 16:23:09 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2901\28668.D
Operator : 209 GALOS
Acquired : 30 Nov 2001 5:13 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/23 scan
Misc Info :
Vial Number: 44
Quant File :GCMS1126.RES (RTE Integrator)




28668.D GCMS1126.M Fri Nov 30 16:23:11 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28668.D
Acq On : 30 Nov 2001 5:13 am
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 44
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

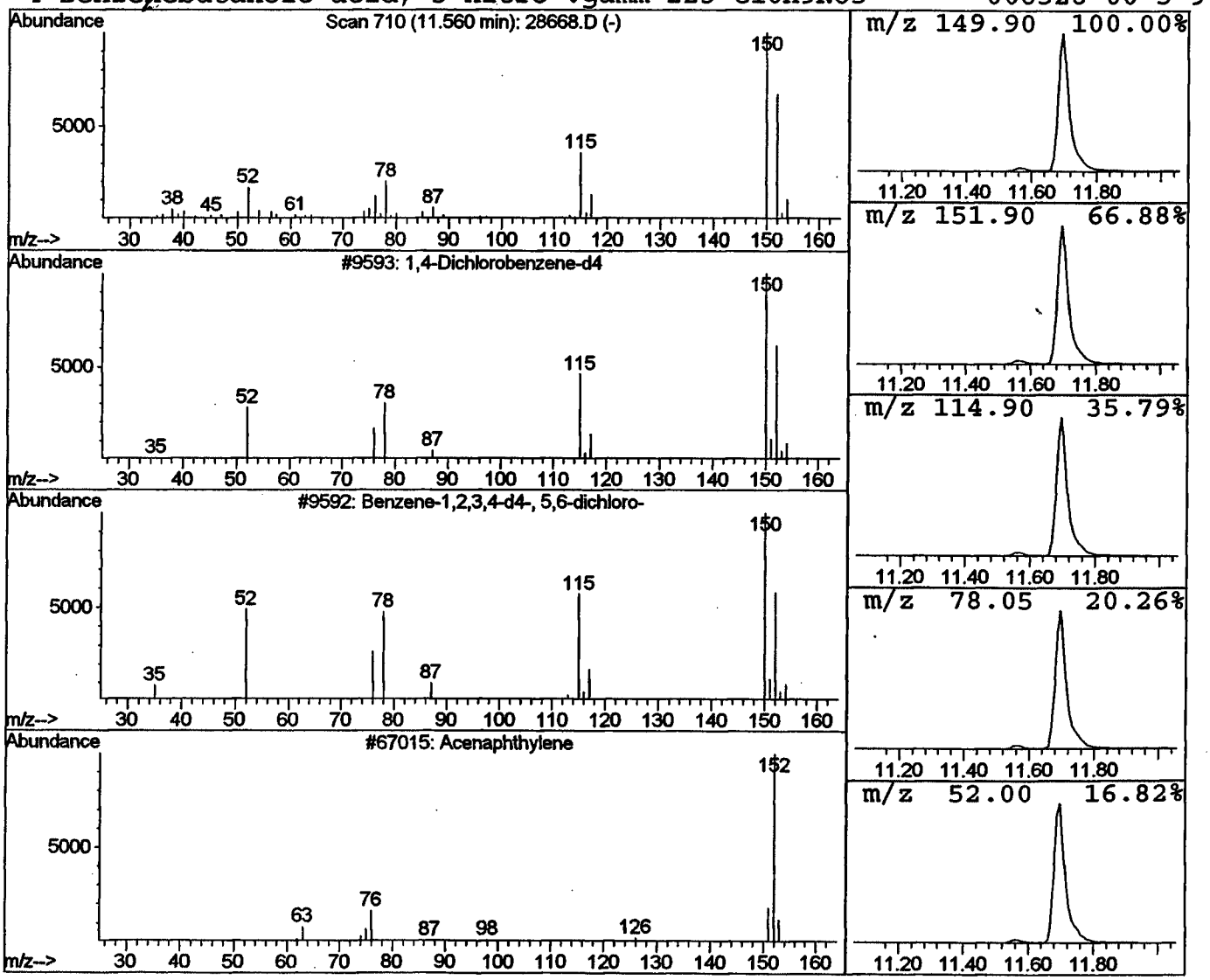
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.56 | 0.51 ug/l | 106938 | 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 | 53 |
| 2 | Benzene-1,2,3,4-d4-, 5,6-dichloro- | 150 | C6Cl2D4 | 002199-69-1 | 37 |
| 3 | Acenaphthylene | 152 | C12H8 | 000208-96-8 | 9 |
| 4 | Benzenebutanoic acid, 3-nitro-.gamm | 223 | C10H9NO5 | 006328-00-3 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 30 Nov 2001 5:13 am
Data File: C:\HPCHEM\1\DATA\NOV2901\28668.D
Name: 11/23 scan
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS1126.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 |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene- | 11.56 | 0.5 | ug/l | 106938 | ISTD01 | 11.70 | 4234440 | 20.0 |

28668.D GCMS1126.M Fri Nov 30 16:23:16 2001