**Comments for Sample AD28149 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 11-29-2001 Time: 10:00:41

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
Recoveries for 14 of the 44 compounds in the LCS Standard were outside of their acceptance ranges. The recovery for the Surrogate Standard in this sample was 97%.

NOT DEP

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 11/29/2001 Time: 10:00:10

Sample: AD28149
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/29/01 09:59 Ended: 11/29/01 09:59 Analyst: DLV
Page: 1

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2601\28149.D Vial: 15
Acq On : 27 Nov 2001 12:23 am Operator: 209 GALOS
Sample : 11/20 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 28 7:40 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Nov 27 12:20:14 2001
Response via : Initial Calibration
DataAcq Meth : NP103001

Nothing present

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.69 | 152 | 854138 | 20.00 | ug/l | 0.00 |
| 15) Naphthalene-d8 | 15.30 | 136 | 3277127 | 20.00 | ug/l | 0.00 |
| 26) Acenaphthene-d10 | 20.57 | 164 | 1585908 | 20.00 | ug/l | 0.00 |
| 42) Phenanthrene-d10 | 25.00 | 188 | 2257588 | 20.00 | ug/l | 0.00 |
| 53) Chrysene-d12 | 33.03 | 240 | 1255584 | 20.00 | ug/l | 0.00 |
| 59) Perylene-d12 | 37.11 | 264 | 906565 | 20.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 52) 2,4-DDD | 30.07 | 235 | 130106 | 4.84 | ug/mL | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 96.80% | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Pyridine | 0.00 | 79 | 0 | N.D. | | |
| 3) N-nitroso-dimethyl amine | 5.25 | 74 | 187 | 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 | 853 | 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. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2601\28149.D Vial: 15
Acq On : 27 Nov 2001 12:23 am Operator: 209 GALOS
Sample : 11/20 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 28 7:40 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Nov 27 12:20:14 2001
Response via : Initial Calibration
DataAcq Meth : NP103001

| | 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 | 20.83 | 165 | 747 | N.D. | |
| 38) | Diethylphthalate | 22.09 | 149 | 647 | 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 | 25.00 | 178 | 947 | N.D. | |
| 49) | Anthracene | 25.00 | 178 | 947 | N.D. | |
| 50) | Di-n-butylphthalate | 27.01 | 149 | 4823 | 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 | 3212 | N.D. | |
| 57) | Bis(2-ethylhexyl)phthalate | 33.31 | 149 | 9945 | N.D. | |
| 58) | Chrysene | 33.02 | 228 | 3212 | N.D. | |
| 60) | Di-n-Octylphthalate | 35.04 | 149 | 577 | N.D. | |
| 61) | Benzo(b)fluoranthene | 36.08 | 252 | 822 | N.D. | |
| 62) | Benzo(k)fluoranthene | 36.12 | 252 | 1196 | N.D. | |
| 63) | Benzo(a)pyrene | 36.95 | 252 | 513 | 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 | 41.93 | 276 | 190 | N.D. | |

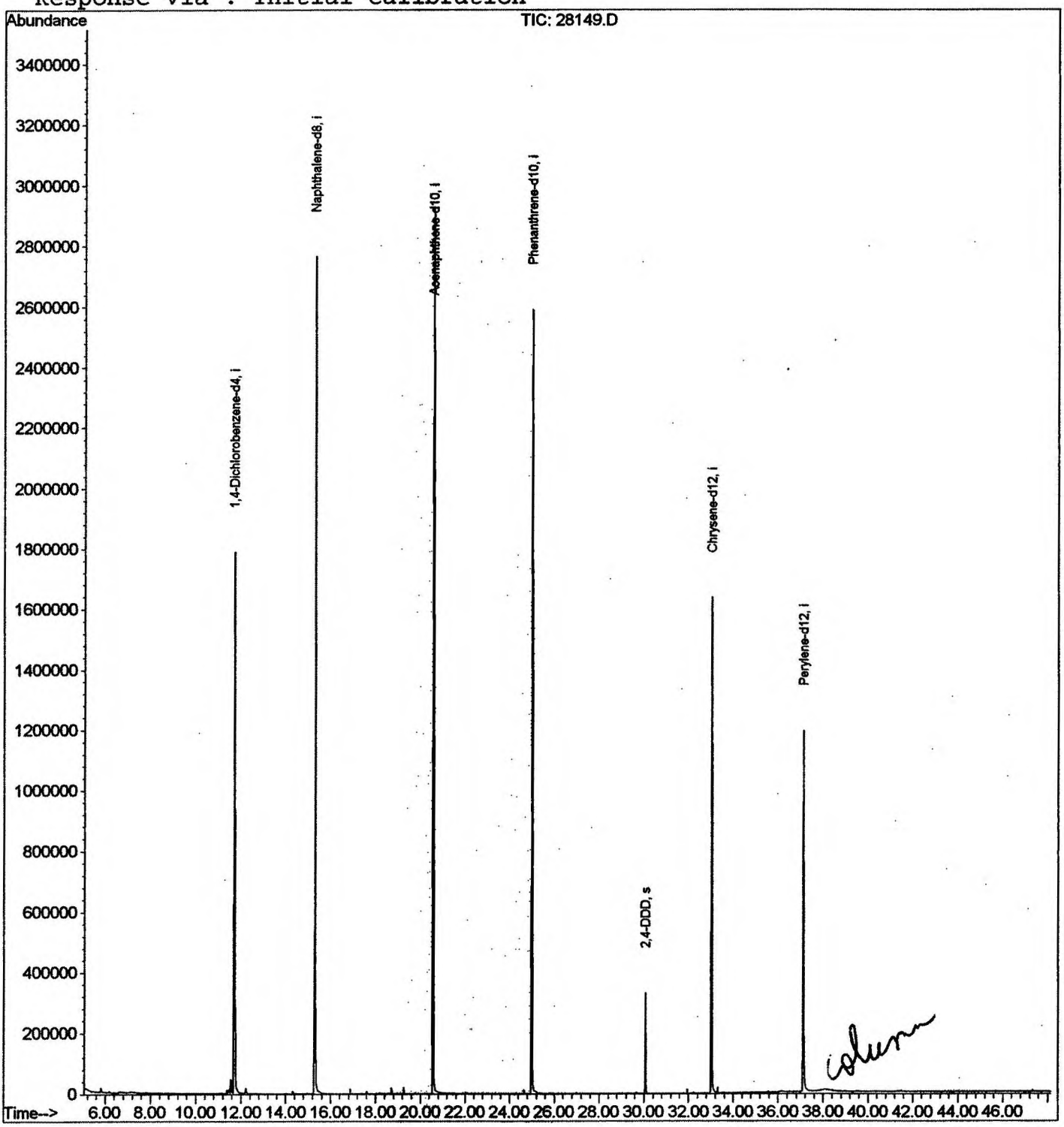
(#) = qualifier out of range (m) = manual integration

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28149.D
Acq On : 27 Nov 2001 12:23 am
Sample : 11/20 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 28 7:40 2001

Vial: 15
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 : Tue Nov 27 12:20:14 2001
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28149.D  Vial: 15
Acq On : 27 Nov 2001 12:23 am  Operator: 209 GALOS
Sample : 11/20 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

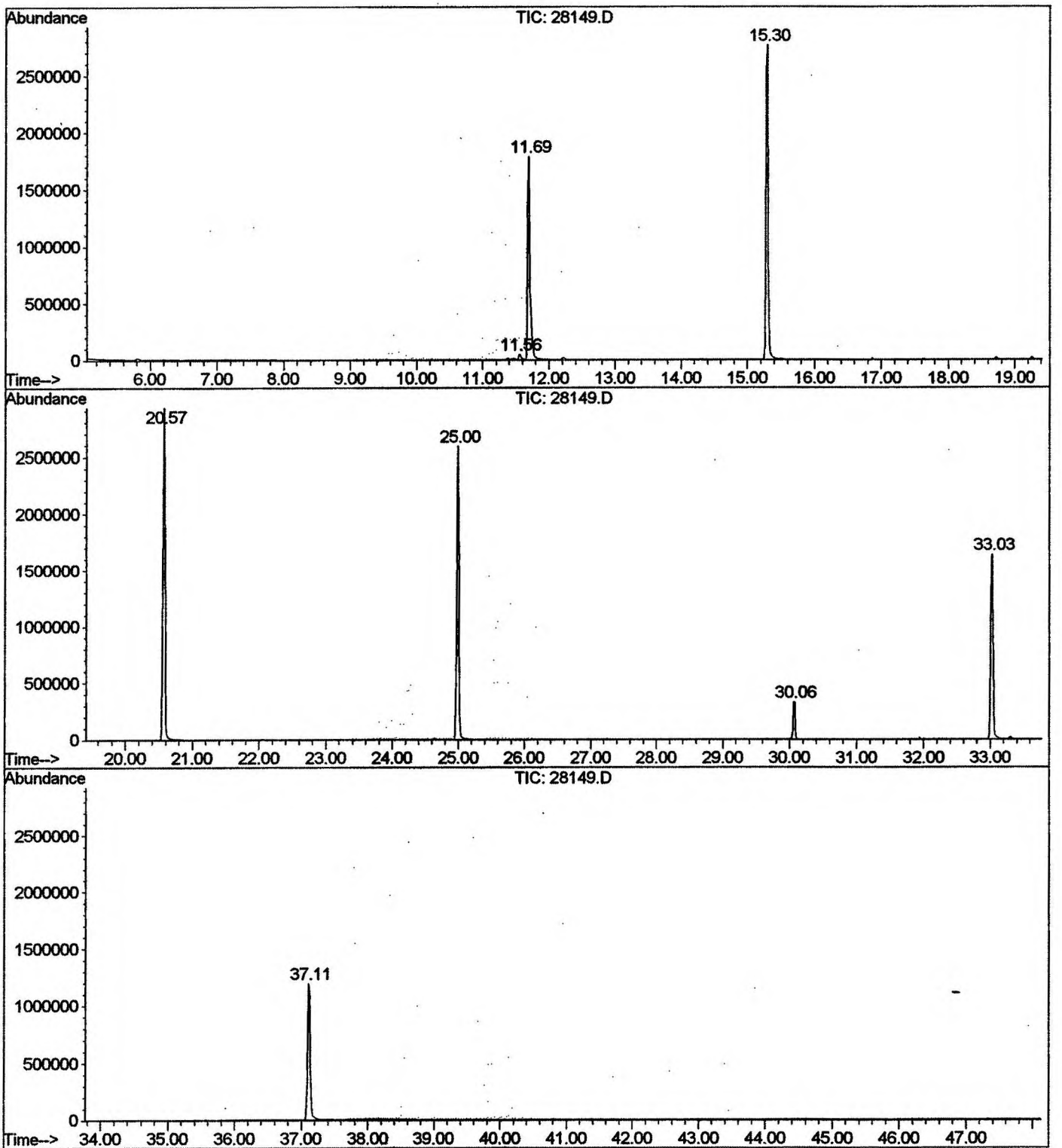
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 11.557 | 705 | 709 | 719 | rVB | 44019 | 110332 | 1.76% | 0.362% |
| 2 | 11.695 | 719 | 724 | 740 | rBV | 1784879 | 4512555 | 72.01% | 14.822% |
| 3 | 15.303 | 1111 | 1117 | 1135 | rBV | 2764802 | 5979578 | 95.42% | 19.640% |
| 4 | 20.572 | 1685 | 1691 | 1706 | rBV | 2928920 | 6266761 | 100.00% | 20.584% |
| 5 | 24.997 | 2166 | 2173 | 2185 | rBV2 | 2590076 | 5683457 | 90.69% | 18.668% |
| 6 | 30.064 | 2720 | 2725 | 2733 | rBV | 328844 | 674404 | 10.76% | 2.215% |
| 7 | 33.030 | 3041 | 3048 | 3069 | rBV2 | 1635111 | 3953948 | 63.09% | 12.987% |
| 8 | 37.115 | 3486 | 3493 | 3517 | rBV2 | 1188294 | 3264321 | 52.09% | 10.722% |

Sum of corrected areas: 30445356

28149.D GCMS1126.M Wed Nov 28 07:52:26 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2601\28149.D
Operator : 209 GALOS
Acquired : 27 Nov 2001 12:23 am using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: 11/20 scan
Misc Info :
Vial Number: 15
Quant File :GCMS1126.RES (RTE Integrator)




28149.D GCMS1126.M Wed Nov 28 07:52:28 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28149.D
Acq On : 27 Nov 2001 12:23 am
Sample : 11/20 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

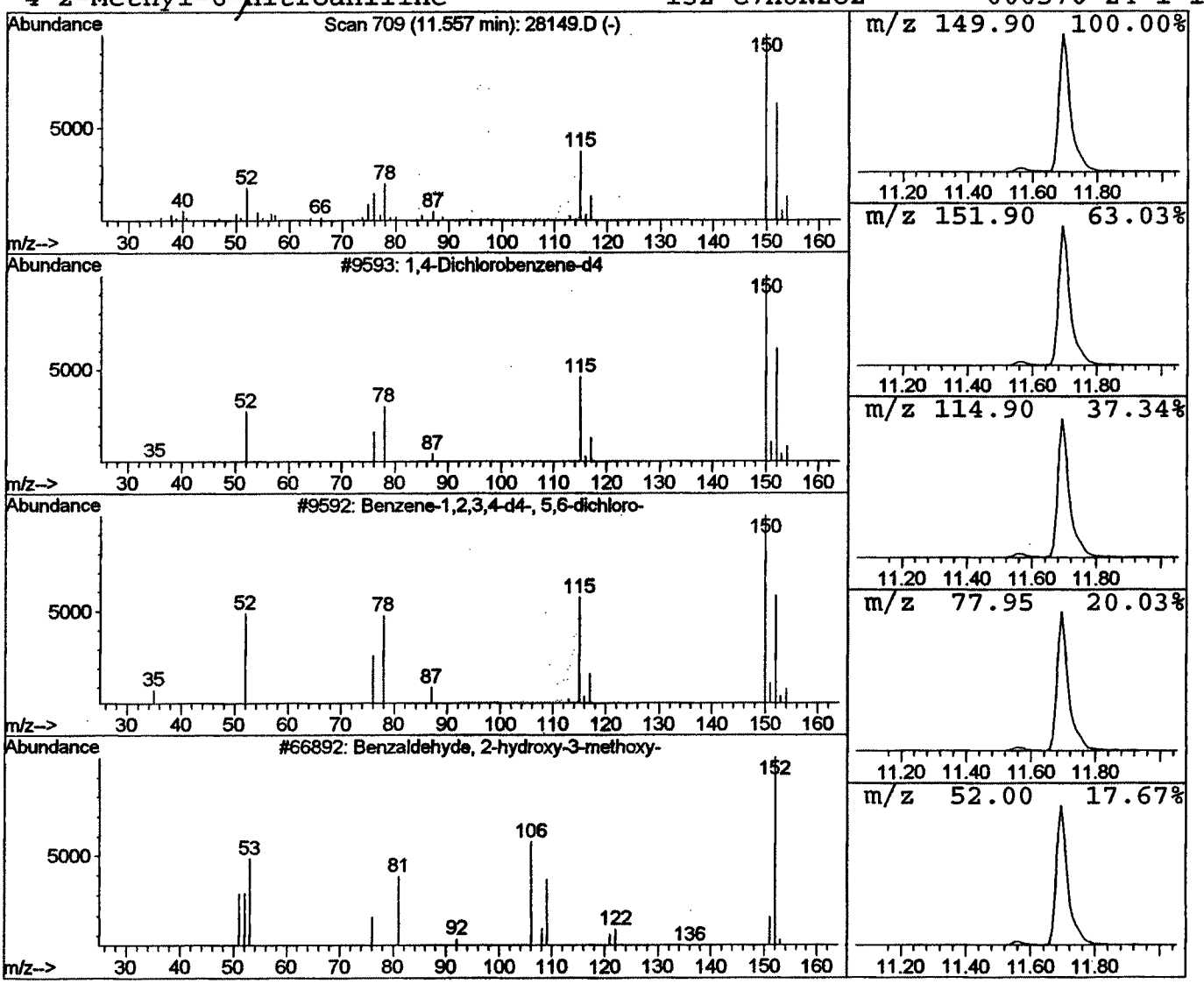
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.56 | 0.49 ug/l | 110332 | 1,4-Dichlorobenzene-d4 | 11.69 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 150 | C6Cl2D4 | 003855-82-1 | 64 |
| 2 | Benzene-1,2,3,4-d4-, 5,6-dichloro- | 150 | C6Cl2D4 | 002199-69-1 | 43 |
| 3 | Benzaldehyde, 2-hydroxy-3-methoxy- | 152 | C8H8O3 | 000148-53-8 | 14 |
| 4 | 2-Methyl-6-nitroaniline | 152 | C7H8N2O2 | 000570-24-1 | 12 |



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 27 Nov 2001 12:23 am
Data File: C:\HPCHEM\1\DATA\NOV2601\28149.D
Name: 11/20 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 | 110332 | ISTD01 | 11.69 | 4512560 | 20.0 |

28149.D GCMS1126.M Wed Nov 28 07:52:33 2001