

Comments for Sample AD28600 - Analysis \$GCMS

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 12-07-2001 Time: 14:23:23

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 95%. Recoveries for 16 of the 44 compounds in the LCS Standard were outside of their acceptance ranges. ~~The pH of this sample when received was less than 2~~

DLV
r/h/1

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28600.D

Vial: 39

Acq On : 30 Nov 2001 12:20 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 14:48 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	875443	20.00	ug/l	0.00
15) Naphthalene-d8	15.31	136	3323169	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1587875	20.00	ug/l	0.00
42) Phenanthrene-d10	24.99	188	2211359	20.00	ug/l	0.00
53) Chrysene-d12	33.02	240	1149558	20.00	ug/l	-0.01
59) Perylene-d12	37.11	264	718038	20.00	ug/l	-0.01

System Monitoring Compounds

52) 2,4-DDD	30.07	235	124710	4.74	ug/mL	0.00
Spiked Amount	5.000		Recovery	=	94.80%	

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-nitroso-dimethyl amine	5.29	74	102	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	15.36	128	198	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

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Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28600.D
 Acq On : 30 Nov 2001 12:20 am
 Sample : 11/23 scan
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Nov 30 14:48 2001

Vial: 39
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

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	20.96	165	389	N.D.		
38) Diethylphthalate	22.10	149	386	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	24.98	178	563	N.D.		
49) Anthracene	24.98	178	563	N.D.		
50) Di-n-butylphthalate	27.00	149	14063	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	2899	N.D.		
57) Bis(2-ethylhexyl)phthalate	33.30	149	4454	N.D.		
58) Chrysene	33.02	228	2899	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	37.13	252	2398	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
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Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28600.D

Acq On : 30 Nov 2001 12:20 am

Sample : 11/23 scan

Misc :

MS Integration Params: RTEINT.P

Quant Time: Nov 30 14:48 2001

Vial: 39

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

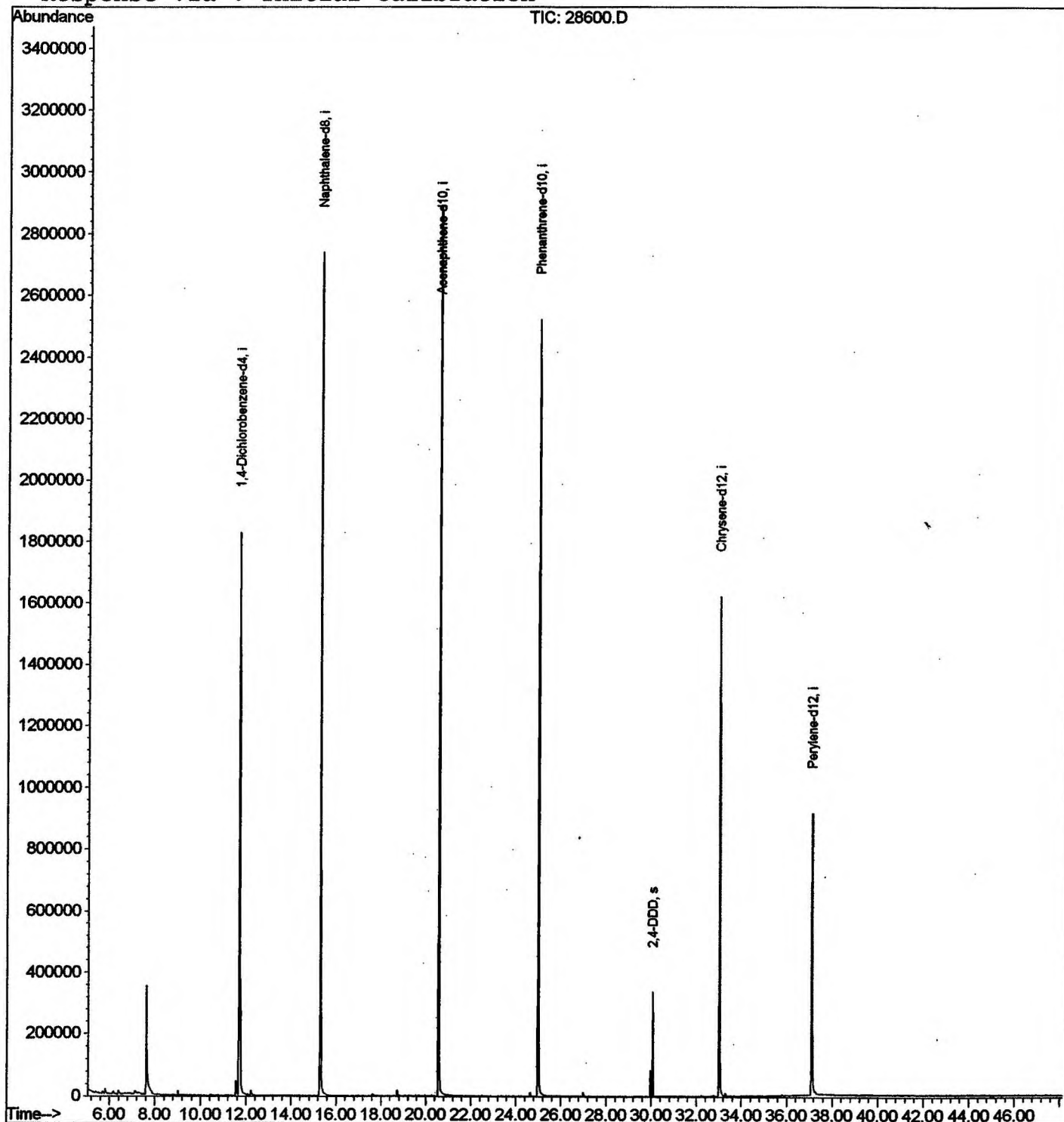
Quant Results File: GCMS1126.RES

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



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LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28600.D

Acq On : 30 Nov 2001 12:20 am

Sample : 11/23 scan

Misc :

MS Integration Params: LSCINT.P

Vial: 39

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)

Title : 209 625/TCLP calibration table

Smoothing : OFF

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 1 % of largest Peak

Max Peaks: 100

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	7.621	277	281	302	rBV	349655	1019564	16.08%	3.322%
2	11.560	706	710	720	rBV	46809	120551	1.90%	0.393%
3	11.697	720	725	744	rBV	1825773	4603622	72.61%	14.999%
4	15.305	1112	1118	1136	rBV	2736735	6118743	96.51%	19.935%
5	20.575	1685	1692	1715	rBV	2890768	6339922	100.00%	20.656%
6	24.990	2167	2173	2187	rBV2	2521393	5589676	88.17%	18.212%
7	30.067	2721	2726	2735	rVV	334456	661284	10.43%	2.155%
8	33.023	3041	3048	3066	rBV2	1619160	3651703	57.60%	11.897%
9	37.118	3486	3494	3510	rBV2	909035	2587965	40.82%	8.432%

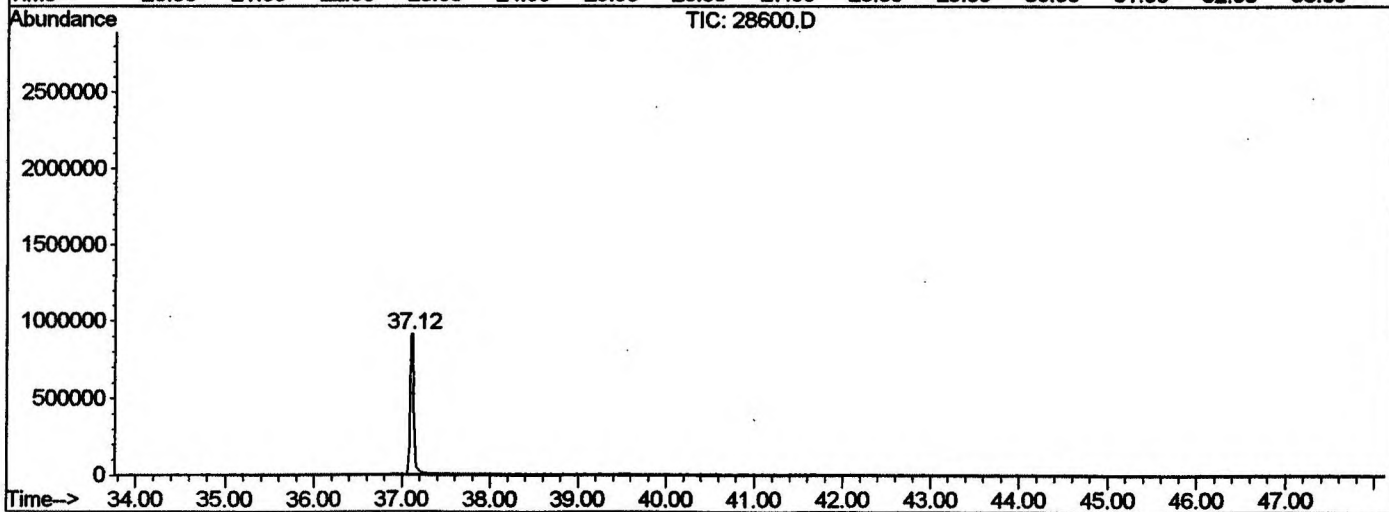
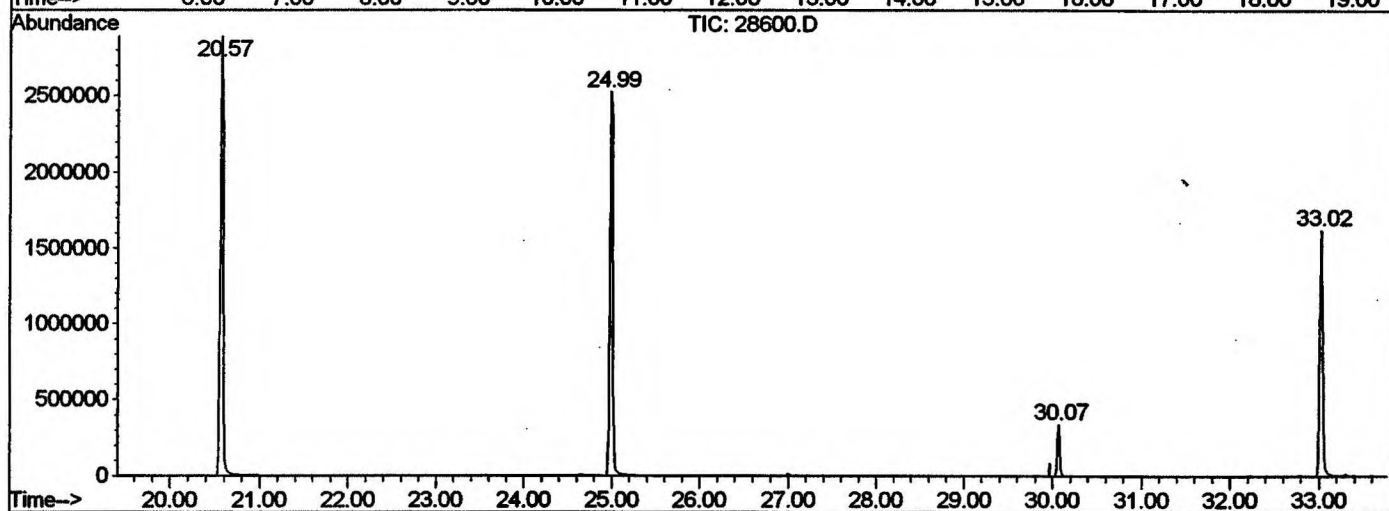
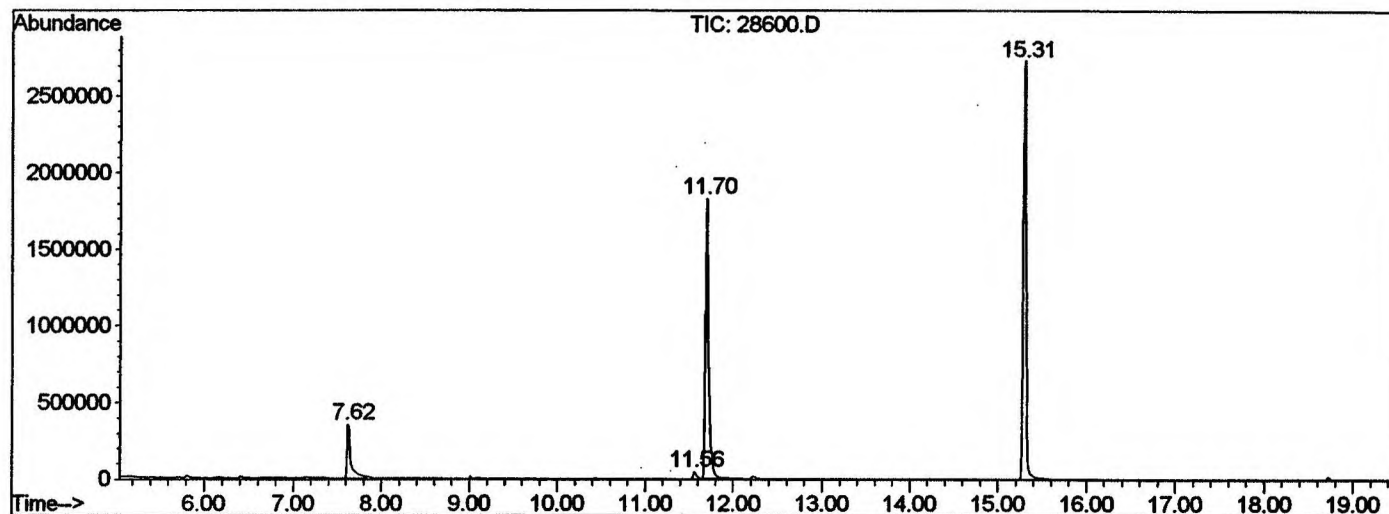
Sum of corrected areas: 30693030

28600.D GCMS1126.M

Fri Nov 30 14:49:49 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2901\28600.D
 Operator : 209 GALOS
 Acquired : 30 Nov 2001 12:20 am using AcqMethod GCMS1126
 Instrument : GC/MS 209
 Sample Name: 11/23 scan
 Misc Info :
 Vial Number: 39
 Quant File :GCMS1126.RES (RTE Integrator)



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Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28600.D
Acq On : 30 Nov 2001 12:20 am
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

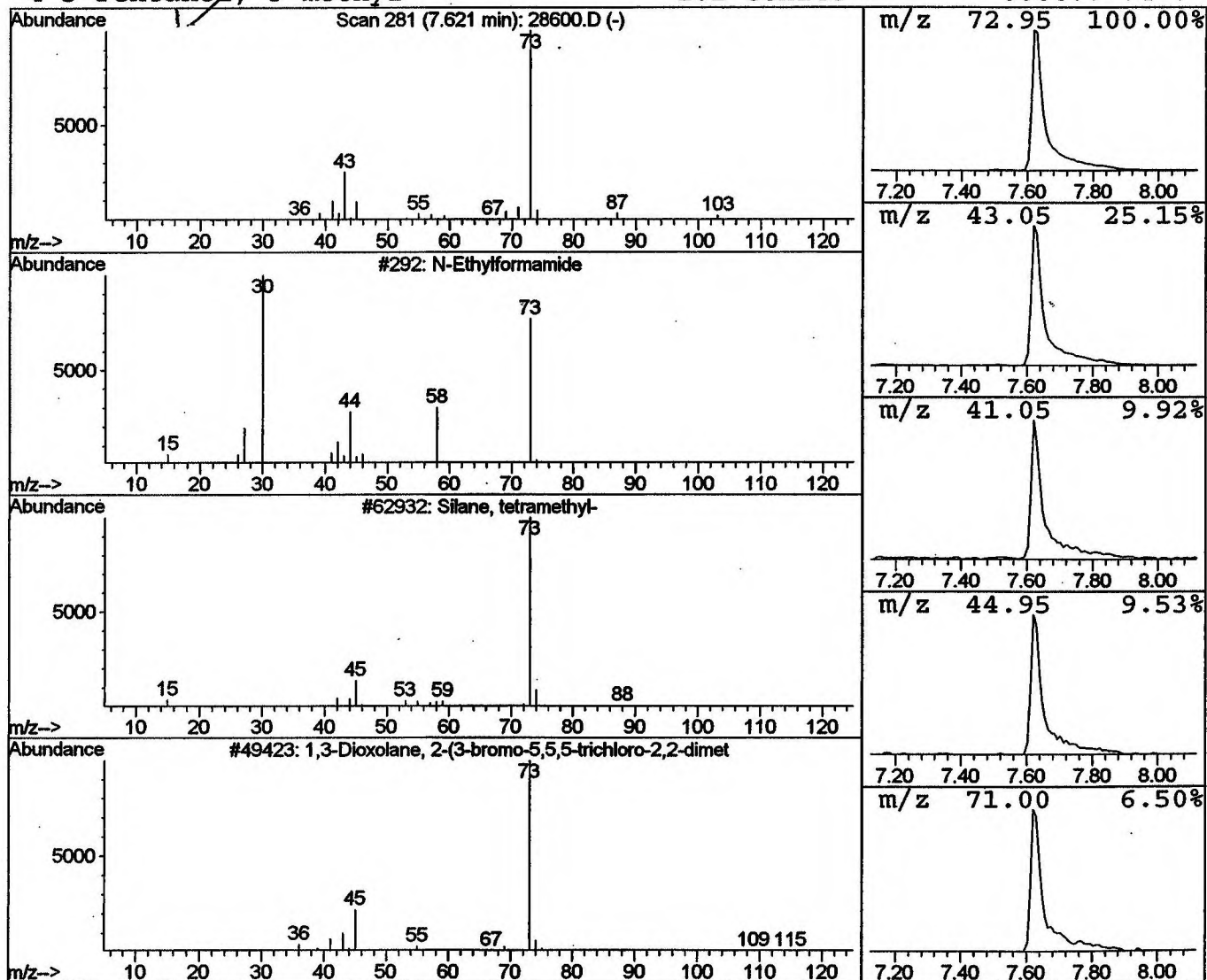
Vial: 39
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

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

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	4.43 ug/l	1019560	1,4-Dichlorobenzene-d4	11.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	N-Ethylformamide	73	C3H7NO	000627-45-2	9
2		Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
3		1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	9
4		3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28600.D
Acq On : 30 Nov 2001 12:20 am
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

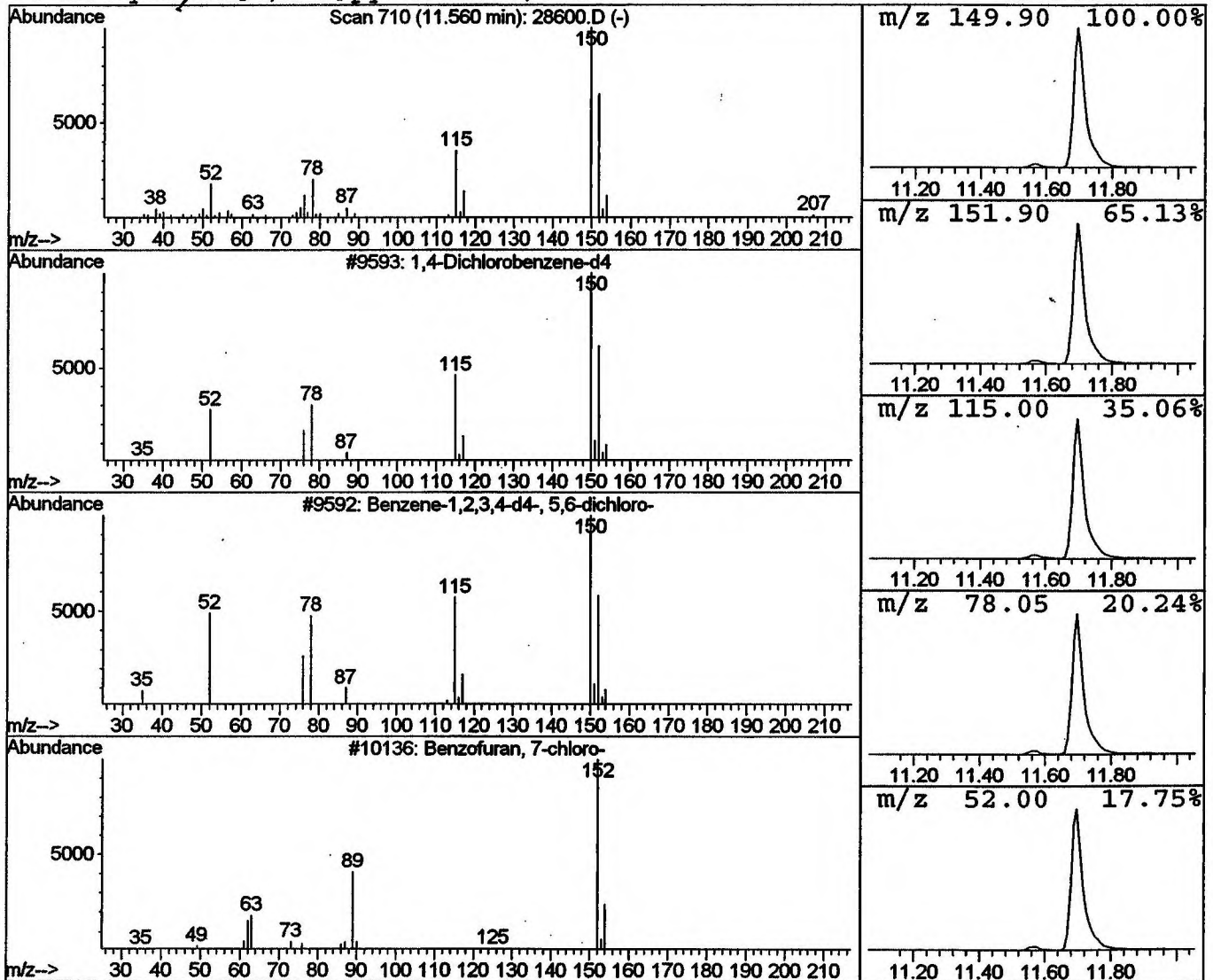
Vial: 39
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

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

Peak Number 2 1,4-Dichlorobenzene-d4 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	0.52 ug/l	120551	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	64
2			Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	23
3			Benzofuran, 7-chloro-	152	C8H5ClO	024410-55-7	9
4			1H-Pyrrolo[2,3-b]pyridine-2,6-dione	152	C7H8N2O2	017384-56-4	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 30 Nov 2001 12:20 am
Data File: C:\HPCHEM\1\DATA\NOV2901\28600.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
N-Ethylformamide	7.62	4.4 ug/l	1019560	ISTD01	11.70	4603620	20.0
1,4-Dichlorobenzene-	11.56	0.5 ug/l	120551	ISTD01	11.70	4603620	20.0

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