Comments for Sample AD28859 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-16-2001 Time: 10:17:33

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds, except for the presence of bis(2-Ethylhexyl)phthalate at an estimated level of 0.81 ug/L. It is also present in the Laboratory BLank at 0.30 ug/L. Recoveries for 1 of the 43 compounds in the LCS Standard was above its acceptance range. This sample was received with a pH of less than 2.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/16/2001 Time: 10:15:44

Sample: AD28859
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/16/01 10:14 Ended: 12/16/01 10:14 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		103		5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0601\28859.D Vial: 31
Acq On : 7 Dec 2001 4:57 am Operator: 209 GALOS
Sample : 11/27 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 7 5:46 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	11.67	152	1072041	20.00	ug/l	-0.02
15) Naphthalene-d8	15.27	136	4039560	20.00	ug/l	-0.03
26) Acenaphthene-d10	20.55	164	1961021	20.00	ug/l	-0.02
42) Phenanthrene-d10	24.98	188	2905193	20.00	ug/l	-0.01
53) Chrysene-d12	33.01	240	1836451	20.00	ug/l	-0.02
59) Perylene-d12	37.10	264	1256171	20.00	ug/l	-0.01
System Monitoring Compounds						
52) 2,4-DDD	30.05	235	177493	5.13	ug/mL	-0.02
Spiked Amount 5.000			Recovery = 102.60%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.15	74	187	N.D.		
4) Phenol	11.11	94	189	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	15.34	128	1754	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.		

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

Quantitation Report (QT Reviewed)

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Acq On : 7 Dec 2001 4:57 am Operator: 209 GALOS
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Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 7 5:46 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
29)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
30)	2-Chloronaphthalene	0.00	162	0	N.D.	
31)	Dimethylphthalate	19.93	163	290	N.D.	
32)	2,6-Dinitrotoluene	20.11	165	187	N.D.	
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	21.23	65	186	N.D.	
37)	2,4-Dinitrotoluene	21.16	165	218	N.D.	
38)	Diethylphthalate	22.07	149	4485	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	23.07	77	288	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	25.03	178	1024	N.D.	
49)	Anthracene	25.03	178	1024	N.D.	
50)	Di-n-butylphthalate	26.99	149	42211	N.D.	
51)	Fluoranthene	0.00	202	0	N.D.	
54)	Pyrene	0.00	202	0	N.D.	
55)	Butylbenzylphthalate	31.50	149	738	N.D.	
56)	Benzo(a)anthracene	33.00	228	5049	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.29	149	90102	0.81 ug/l	97
58)	Chrysene	33.00	228	5049	N.D.	
60)	Di-n-Octylphthalate	35.04	149	3114	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	37.10	252	4998	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.	

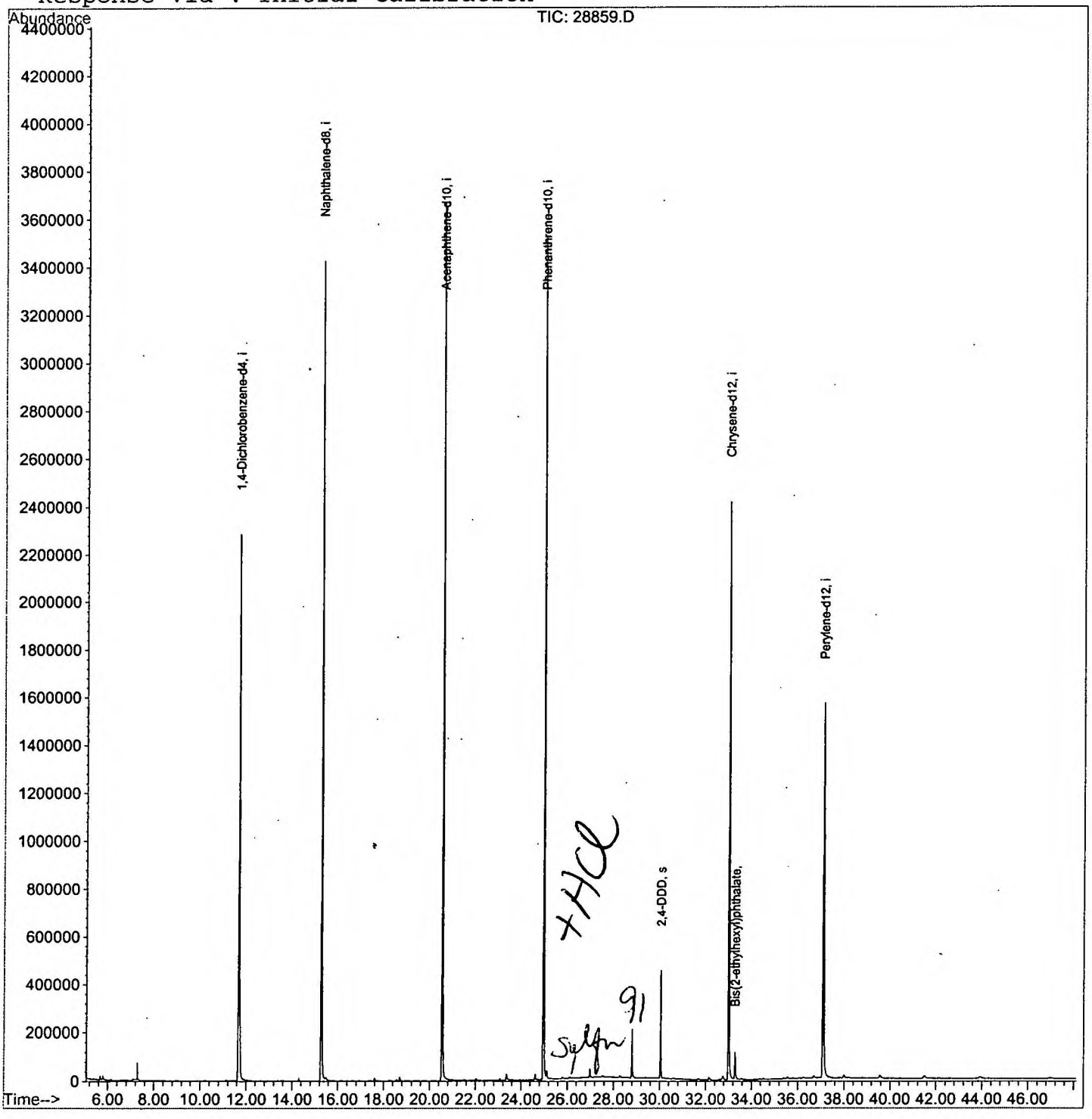
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28859.D
Acq On : 7 Dec 2001 4:57 am
Sample : 11/27 gc/ms scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 7 5:46 2001

Vial: 31
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\DEC0601\28859.D Vial: 31
Acq On : 7 Dec 2001 4:57 am Operator: 209 GALOS
Sample : 11/27 gc/ms 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

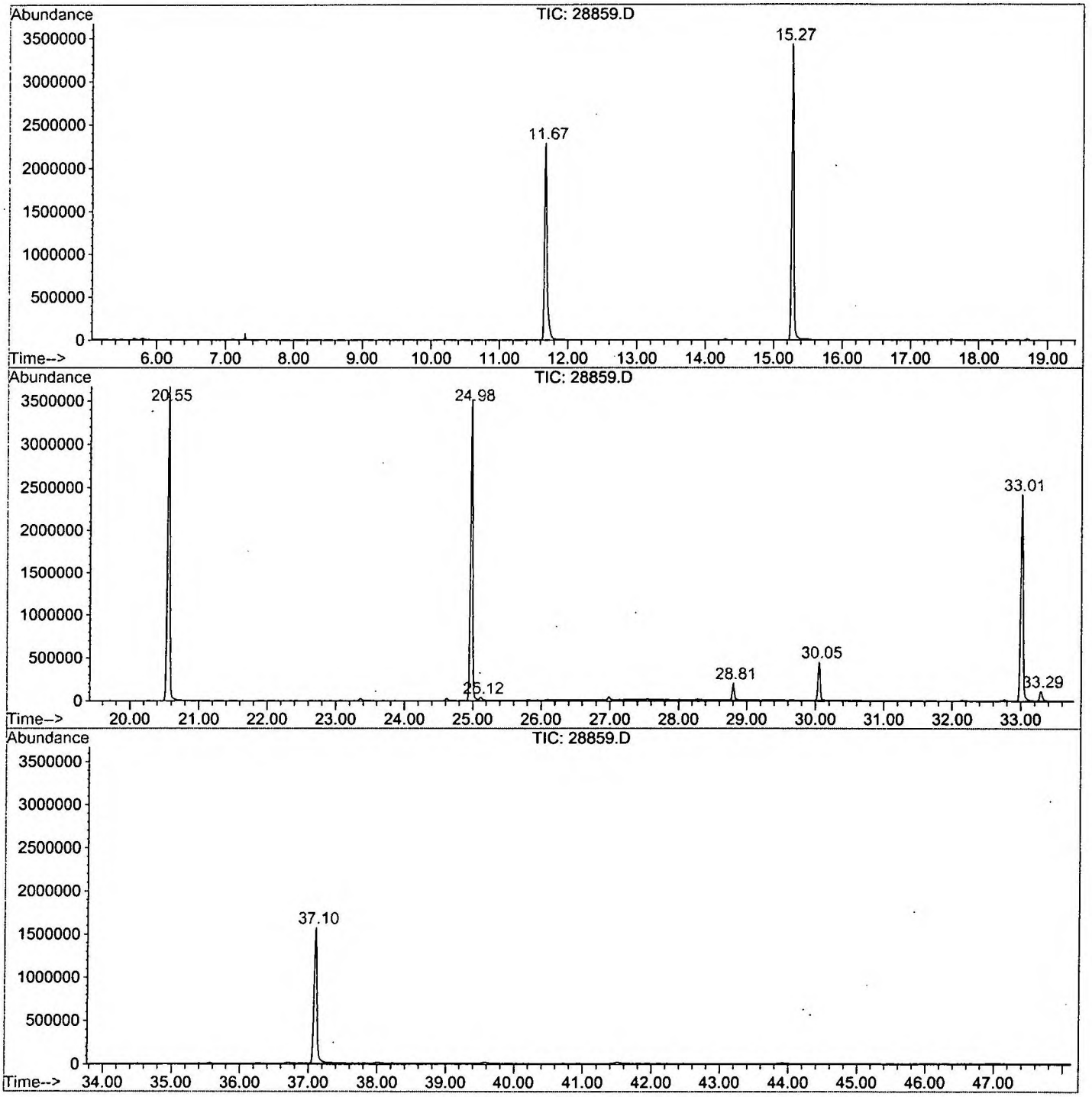
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	11.675	716	722	745	rBV	2284104	5765006	72.23%	14.033%
2	15.274	1108	1114	1132	rBV	3425141	7546216	94.55%	18.368%
3	20.552	1682	1689	1706	rBV	3670448	7981152	100.00%	19.427%
4	24.977	2164	2171	2182	rBV2	3513395	7631298	95.62%	18.575%
5	25.124	2182	2187	2196	rVB	32984	100407	1.26%	0.244%
6	28.805	2583	2588	2600	rVB	197767	377544	4.73%	0.919%
7	30.054	2718	2724	2730	rBV	445568	944876	11.84%	2.300%
8	33.010	3039	3046	3066	rBV2	2414937	5770453	72.30%	14.046%
9	33.285	3071	3076	3092	rVB	112772	309529	3.88%	0.753%
10	37.104	3483	3492	3508	rBV2	1562420	4656145	58.34%	11.334%

Sum of corrected areas: 41082626

28859.D GCMS1126.M Wed Dec 12 11:38:14 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0601\28859.D
Operator : 209 GALOS
Acquired : 7 Dec 2001 4:57 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/27 gc/ms scan
Misc Info :
Vial Number: 31
Quant File :GCMS1126.RES (RTE Integrator)



28859.D GCMS1126.M Wed Dec 12 11:38:20 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28859.D
Acq On : 7 Dec 2001 4:57 am
Sample : 11/27 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 31
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

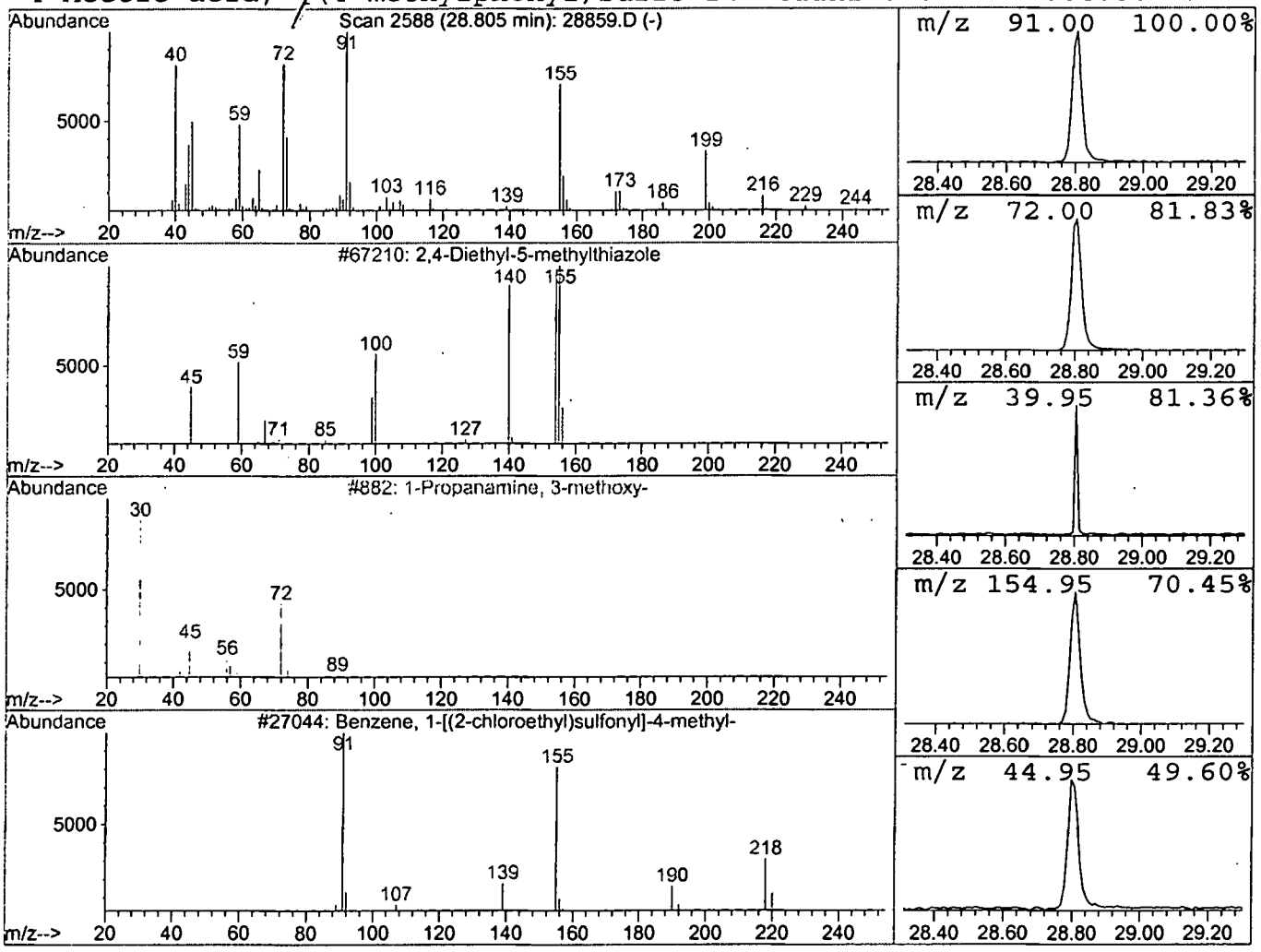
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2,4-Diethyl-5-methylthiazole Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.81	0.99 ug/l	377544	Phenanthrene-d10	24.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Diethyl-5-methylthiazole	155	C8H13NS	052414-89-8	35
2	1-Propanamine, 3-methoxy-	89	C4H11NO	005332-73-0	25
3	Benzene, 1-[(2-chloroethyl)sulfonyl	218	C9H11ClO2S	022381-53-9	12
4	Acetic acid, [(4-methylphenyl)sulfo	242	C11H14O4S	002850-19-3	12



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 7 Dec 2001 4:57 am
Data File: C:\HPCHEM\1\DATA\DEC0601\28859.D
Name: 11/27 gc/ms 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
2,4-Diethyl-5-methyl	28.81	1.0	ug/l	377544	ISTD04	24.98	7631300	20.0

28859.D GCMS1126.M Wed Dec 12 11:38:29 2001