Comments for Sample AD28669 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 16:57:36

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds, except for bis(2-Ethylhexyl)phthalate at an estimated level of 0.33 ug/L.
The recovery for the Surrogate Standard in this sample was 102%. Recoveries for 9 of the 44 compounds in the LCS Standard were outside of their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0401\28669.D Vial: 9
Acq On : 4 Dec 2001 8:11 pm Operator: 209 GALOS
Sample : gc/ms 11/24 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:42 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	11.72	152	711617	20.00	ug/l	0.02
15) Naphthalene-d8	15.31	136	2681628m	20.00	ug/l	0.00
26) Acenaphthene-d10	20.58	164	1301747	20.00	ug/l	0.00
42) Phenanthrene-d10	25.01	188	1804891	20.00	ug/l	0.02
53) Chrysene-d12	33.03	240	1137632	20.00	ug/l	0.00
59) Perylene-d12	37.13	264	767790	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.09	235	109389	5.09	ug/mL	0.02
Spiked Amount 5.000			Recovery = 101.80%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.55	74	237	N.D.		
4) Phenol	0.00	94	0	N.D.		
5) bis(2-Chloroethyl)ether	11.16	93	1044	N.D.		
6) 2-Chlorophenol	0.00	128	0	N.D.		
7) 1,3-Dichlorobenzene	11.63	146	900	N.D.		
8) 1,4-Dichlorobenzene	11.75	146	1289	N.D.		
9) 1,2-Dichlorobenzene	12.28	146	958	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	13.51	77	655	N.D.		
17) Isophorone	14.08	82	1168	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	14.75	93	437	N.D.		
21) 2,4-Dichlorophenol	0.00	162	0	N.D.		
22) 1,2,4-Trichlorobenzene	15.21	180	605	N.D.		
23) Naphthalene	15.37	128	4585	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	18.89	162	474	N.D.		
31) Dimethylphthalate	19.99	163	1365	N.D.		
32) 2,6-Dinitrotoluene	0.00	165	0	N.D.		

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

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Title : 209 625/TCLP calibration table
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Response via : Initial Calibration
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	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33)	Acenaphthylene	20.12	152	752	N.D.	
34)	Acenaphthene	20.68	153	634	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	20.93	165	279	N.D.	
38)	Diethylphthalate	22.11	149	1975	N.D.	
39)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
40)	Fluorene	22.22	166	420	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	1530	N.D.	
49)	Anthracene	25.23	178	288	N.D.	
50)	Di-n-butylphthalate	27.01	149	16419	N.D.	
51)	Fluoranthene	28.69	202	1047	N.D.	
54)	Pyrene	29.37	202	909	N.D.	
55)	Butylbenzylphthalate	0.00	149	0	N.D.	
56)	Benzo(a)anthracene	33.04	228	3562	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.32	149	23155	0.33 ug/l	95
58)	Chrysene	33.04	228	3562	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	37.14	252	2936	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

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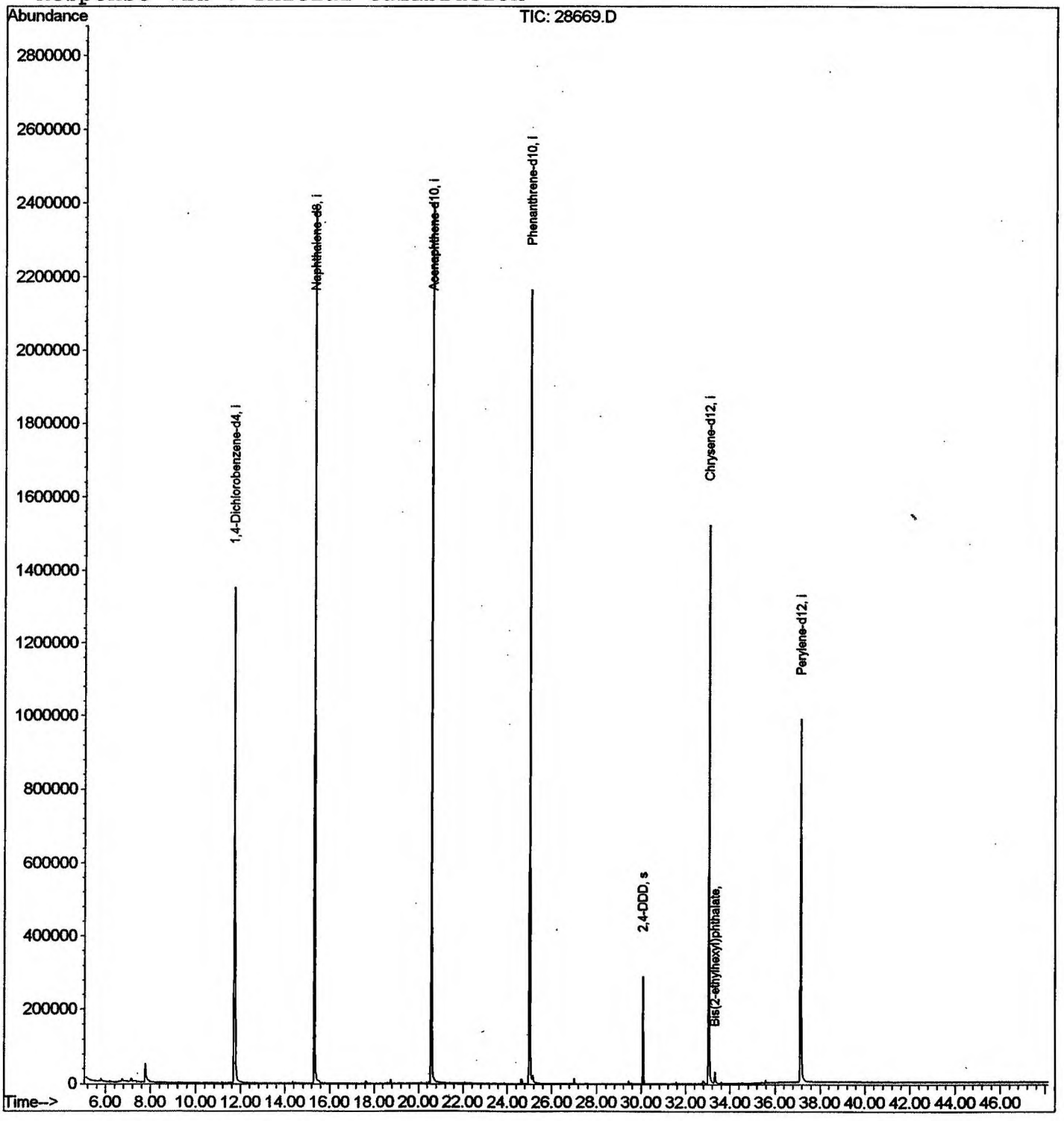
Acq On : 4 Dec 2001 8:11 pm Operator: 209 GALOS
Sample : gc/ms 11/24 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 12:42 2001 Quant Results File: GCMS1126.RES

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\DEC0401\28669.D Vial: 9
Acq On : 4 Dec 2001 8:11 pm Operator: 209 GALOS
Sample : gc/ms 11/24 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

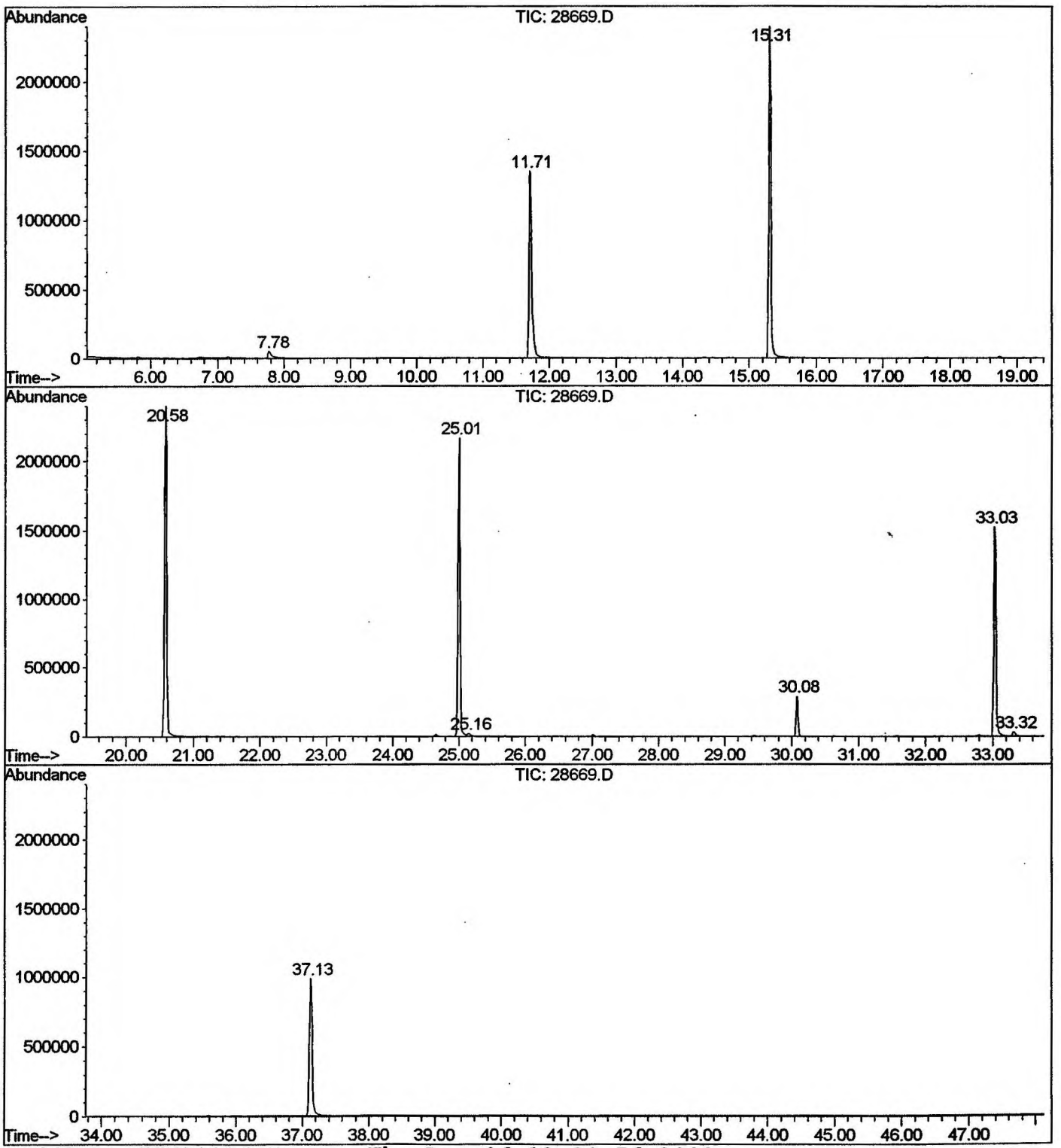
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.777	293	298	313	rBV	49816	188322	3.56%	0.717%
2	11.707	721	726	750	rBV	1348376	3854082	72.78%	14.676%
3	15.314	1113	1119	1137	rBV	2394449	5050658	95.37%	19.232%
4	20.584	1687	1693	1710	rBV	2399963	5295594	100.00%	20.164%
5	25.009	2168	2175	2187	rBV2	2163079	4771119	90.10%	18.167%
6	25.156	2187	2191	2203	rVB2	19648	63009	1.19%	0.240%
7	30.076	2722	2727	2733	rBV	289327	584739	11.04%	2.227%
8	33.032	3043	3049	3065	rBV2	1519967	3543959	66.92%	13.495%
9	33.317	3074	3080	3091	rVB	29644	81149	1.53%	0.309%
10	37.127	3488	3495	3520	rBV2	984339	2829335	53.43%	10.774%

Sum of corrected areas: 26261966

28669.D GCMS1126.M Thu Dec 06 13:20:53 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0401\28669.D
Operator : 209 GALOS
Acquired : 4 Dec 2001 8:11 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms 11/24
Misc Info :
Vial Number: 9
Quant File :GCMS1126.RES (RTE Integrator)



28669.D GCMS1126.M Thu Dec 06 13:20:56 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0401\28669.D
Acq On : 4 Dec 2001 8:11 pm
Sample : gc/ms 11/24
Misc :
MS Integration Params: LSCINT.P

Vial: 9
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

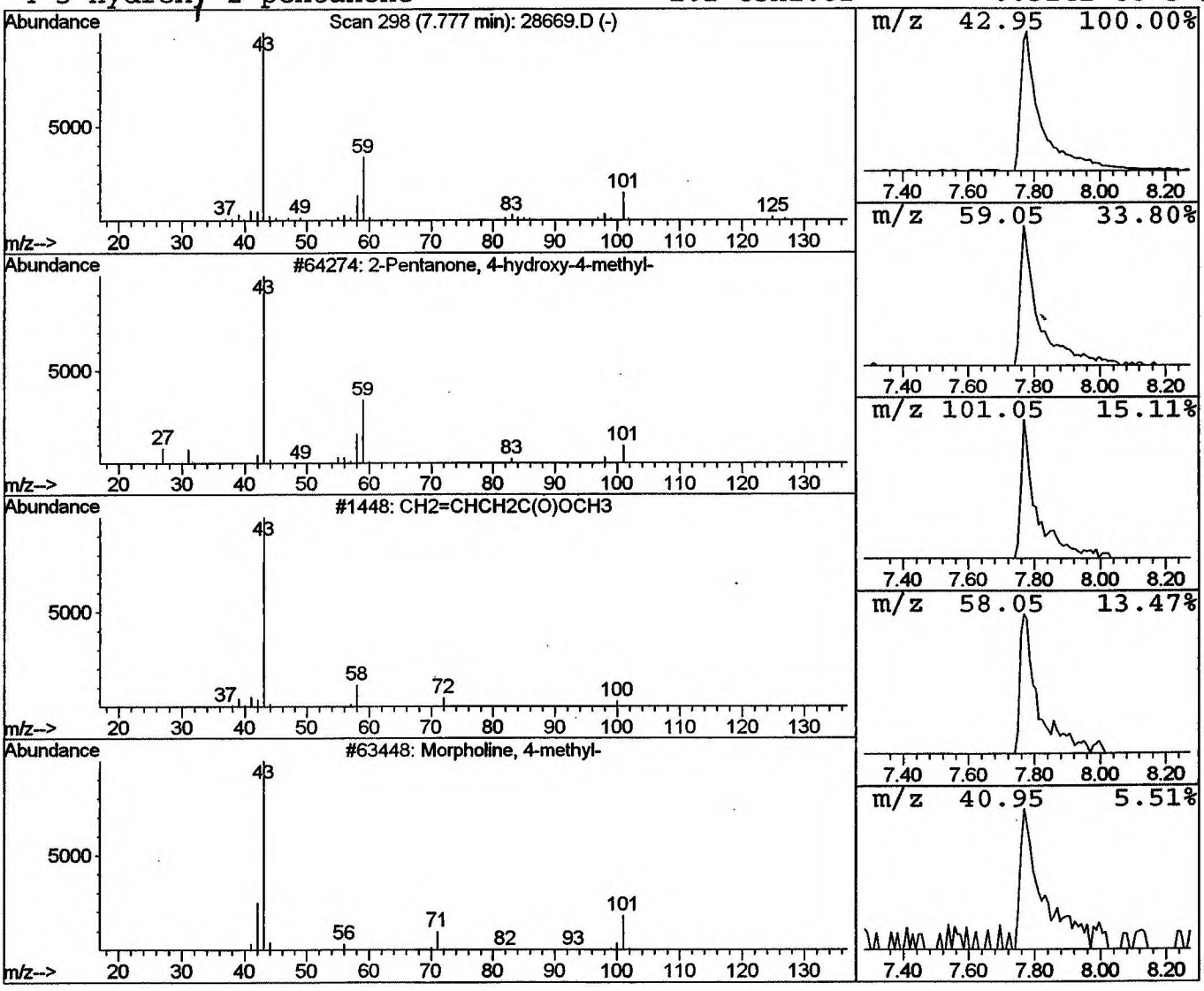
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	0.98 ug/l	188322	1,4-Dichlorobenzene-d4	11.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	CH2=CHCH2C(O)OCH3	100	C5H8O2	003724-55-8	12
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 4 Dec 2001 8:11 pm
Data File: C:\HPCHEM\1\DATA\DEC0401\28669.D
Name: gc/ms 11/24
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~~-Pentanone,~~ 4-hydro	7.78	1.0	ug/l	188322	ISTD01	11.72	3854080	20.0

28669.D GCMS1126.M Thu Dec 06 13:21:00 2001