Comments for Sample AD28596 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 14:46:21

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 0.36 ug/L.
The recovery for the Surrogate Standard in this sample was 71%. 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\28596.D Vial: 40
Acq On : 30 Nov 2001 1:19 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 15:09 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	853828	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3245881	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1534851	20.00	ug/l	0.00
42) Phenanthrene-d10	25.00	188	2061438	20.00	ug/l	0.00
53) Chrysene-d12	33.02	240	1006519	20.00	ug/l	-0.01
59) Perylene-d12	37.11	264	626751	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	87064	3.55	ug/mL	0.00
Spiked Amount 5.000			Recovery = 71.00%			
Target Compounds						Qvalue
2) Pyridine	5.55	79	479	N.D.		
3) N-nitroso-dimethyl amine	5.55	74	226	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	13.60	77	634	N.D.		
17) Isophorone	14.04	82	11266	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	806	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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Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 15:09 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

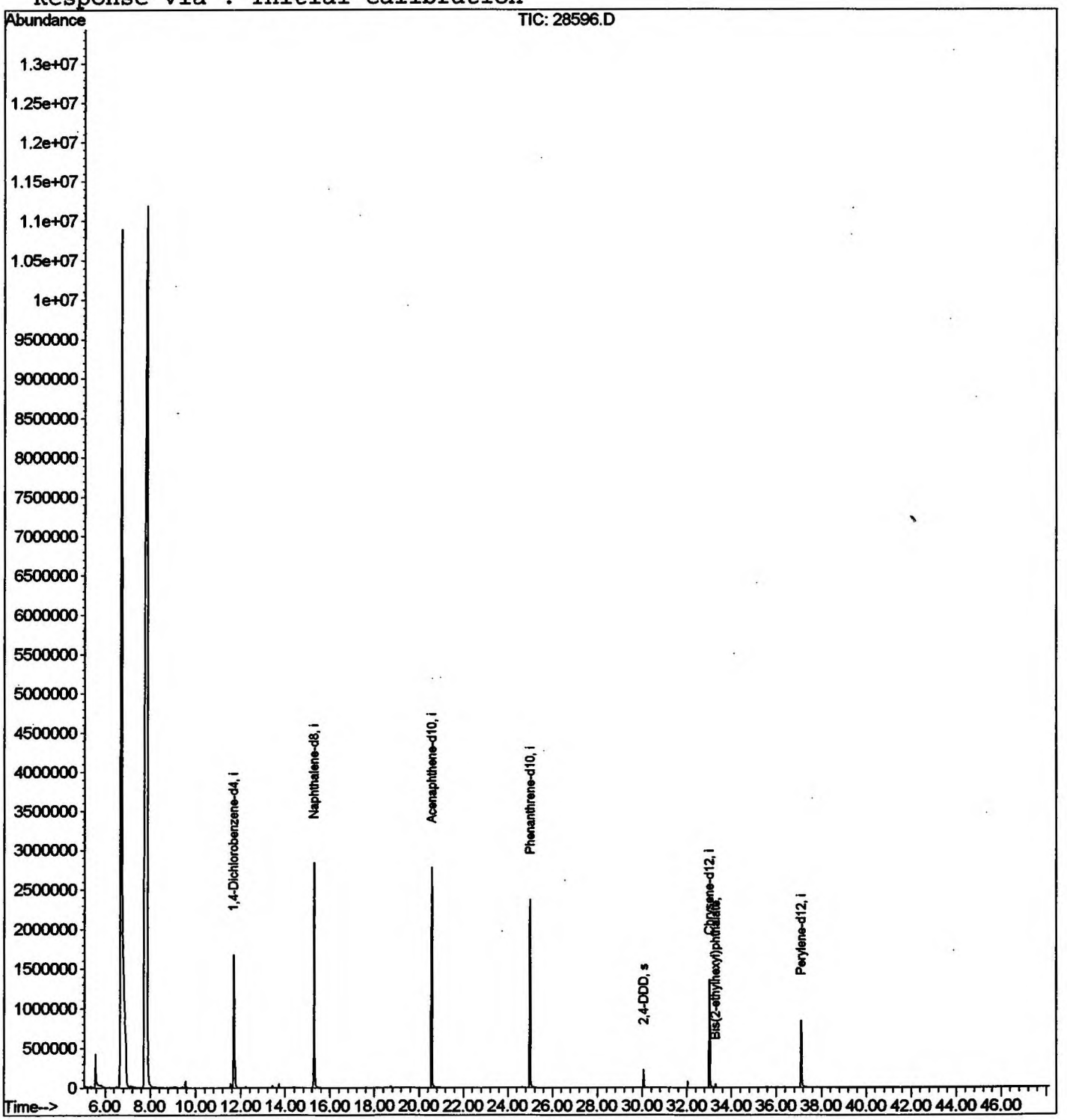
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33)	Acenaphthylene	0.00	152	0	N.D.	
34)	Acenaphthene	0.00	153	0	N.D.	
35)	2,4-Dinitrophenol	0.00	184	0	N.D.	
36)	4-Nitrophenol	0.00	65	0	N.D.	
37)	2,4-Dinitrotoluene	20.85	165	881	N.D.	
38)	Diethylphthalate	22.09	149	350	N.D.	
39)	4-Chlorophenyl-phenylether	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	5063	N.D.	
49)	Anthracene	25.06	178	5063	N.D.	
50)	Di-n-butylphthalate	27.01	149	5105	N.D.	
51)	Fluoranthene	28.69	202	1697	N.D.	
54)	Pyrene	29.37	202	873	N.D.	
55)	Butylbenzylphthalate	0.00	149	0	N.D.	
56)	Benzo(a)anthracene	33.03	228	2885	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.30	149	21849	0.36 ug/l	96
58)	Chrysene	33.09	228	778	N.D.	
60)	Di-n-Octylphthalate	35.04	149	273	N.D.	
61)	Benzo(b)fluoranthene	36.11	252	420	N.D.	
62)	Benzo(k)fluoranthene	36.11	252	530	N.D.	
63)	Benzo(a)pyrene	37.11	252	2609	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\28596.D Vial: 40
Acq On : 30 Nov 2001 1:19 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 15:09 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\NOV2901\28596.D Vial: 40
Acq On : 30 Nov 2001 1:19 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

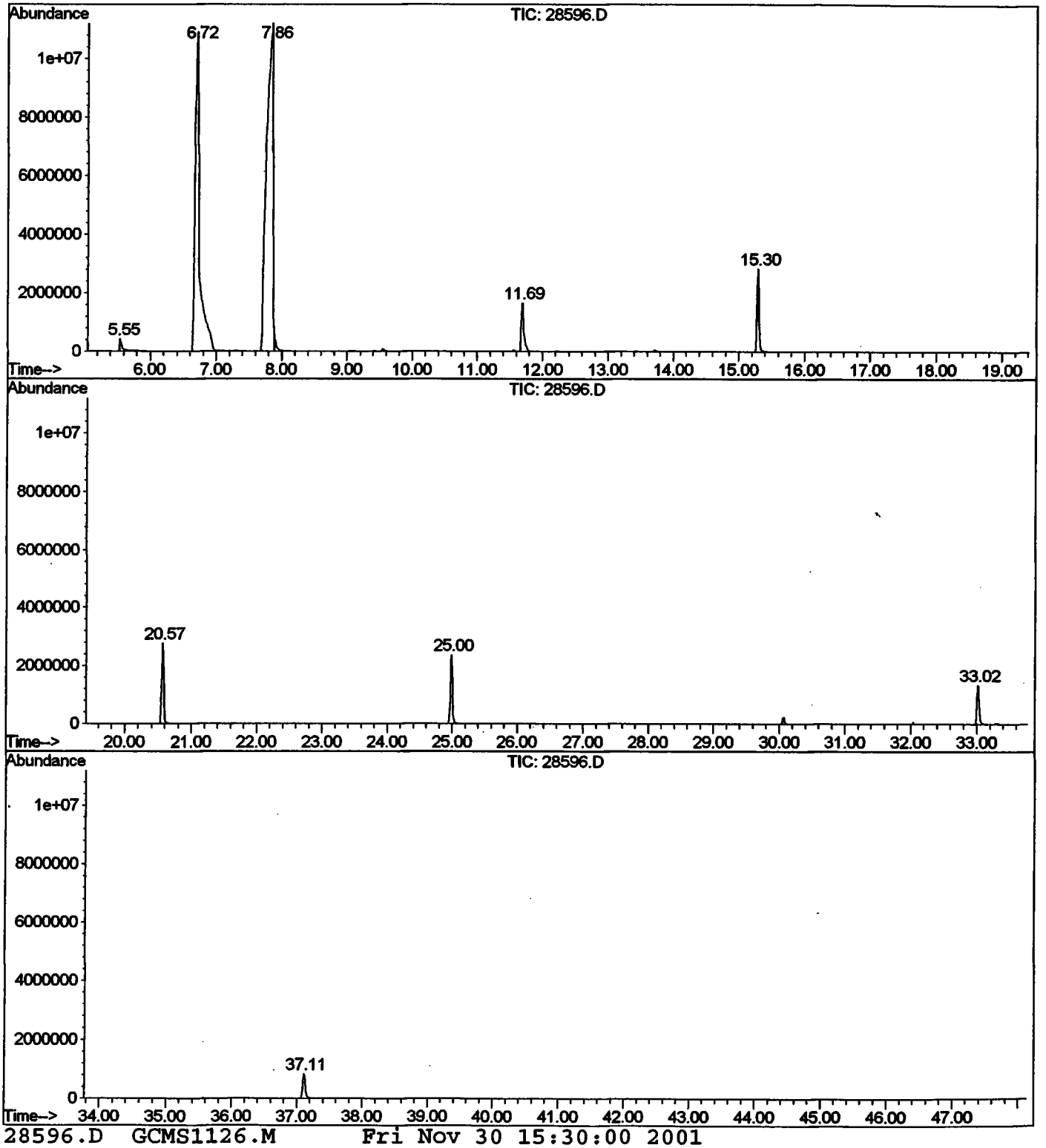
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.552	52	55	69	rBV	415531	990409	1.30%	0.626%
2	6.718	172	182	221	rBV	10888820	53775432	70.69%	34.000%
3	7.856	287	306	309	rBV	11183242	76076703	100.00%	48.101%
4	11.694	719	724	745	rBV	1666893	4523664	5.95%	2.860%
5	15.301	1111	1117	1136	rBV	2835057	5978082	7.86%	3.780%
6	20.571	1685	1691	1708	rBV	2774063	6045794	7.95%	3.823%
7	24.996	2166	2173	2188	rBV2	2371913	5286170	6.95%	3.342%
8	33.019	3041	3047	3064	rBV2	1353855	3211287	4.22%	2.030%
9	37.114	3485	3493	3510	rBV	837885	2273618	2.99%	1.438%

Sum of corrected areas: 158161159

28596.D GCMS1126.M Fri Nov 30 15:29:58 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2901\28596.D
Operator : 209 GALOS
Acquired : 30 Nov 2001 1:19 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/23 scan
Misc Info :
Vial Number: 40
Quant File :GCMS1126.RES (RTE Integrator)



28596.D GCMS1126.M Fri Nov 30 15:30:00 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28596.D
Acq On : 30 Nov 2001 1:19 am
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 40
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

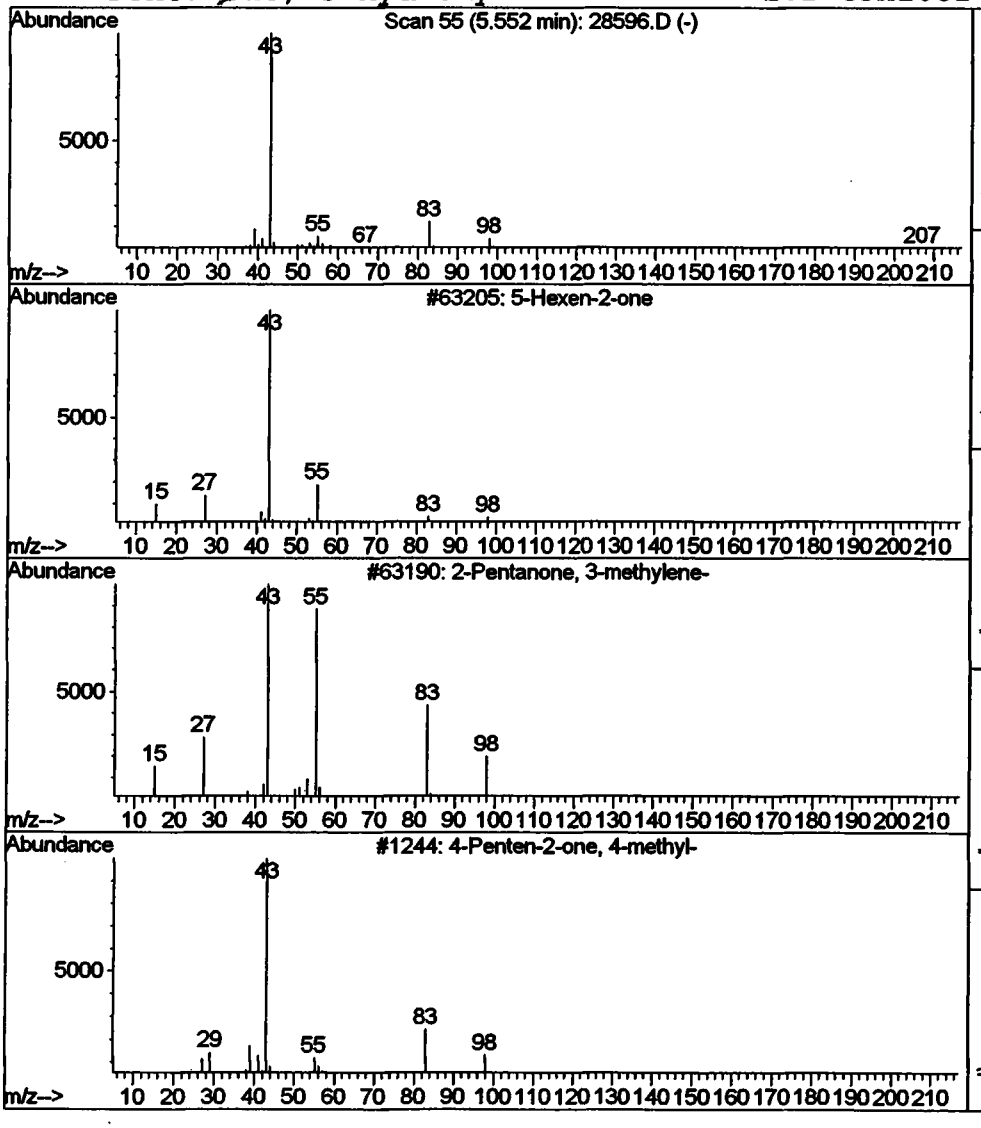
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

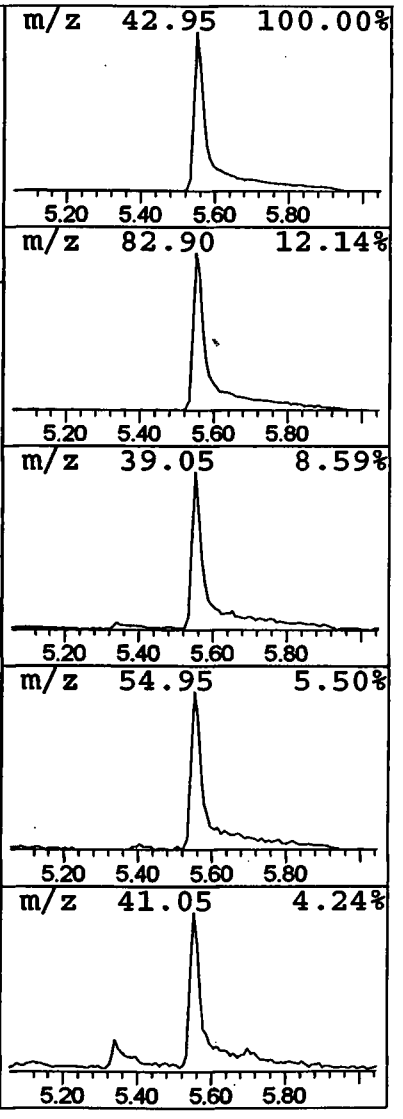
****

Peak Number 1 5-Hexen-2-one Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.55	4.38 ug/l	990409	1,4-Dichlorobenzene-d4	11.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Hexen-2-one	98	C6H10O	000109-49-9	50
2	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	47
3	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9
4	2-Pentanone, 5-hydroxy-	102	C5H10O2	001071-73-4	9





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28596.D
Acq On : 30 Nov 2001 1:19 am
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 40
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

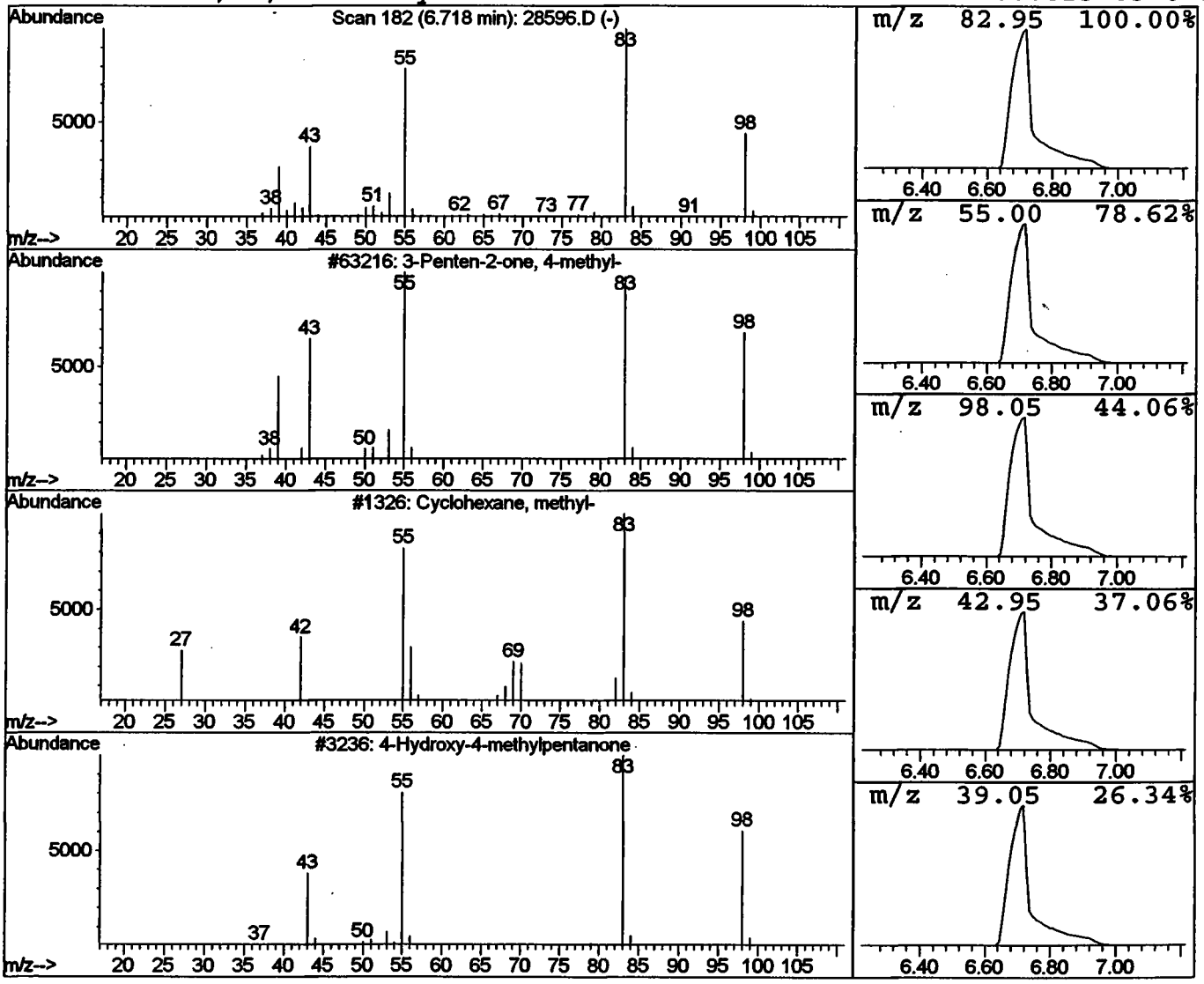
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	237.75 ug/l	53775400	1,4-Dichlorobenzene-d4	11.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	94
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	72
3	4-Hydroxy-4-methylpentanone	116	C6H12O2	000000-00-0	64
4	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	56



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28596.D
Acq On : 30 Nov 2001 1:19 am
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 40
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

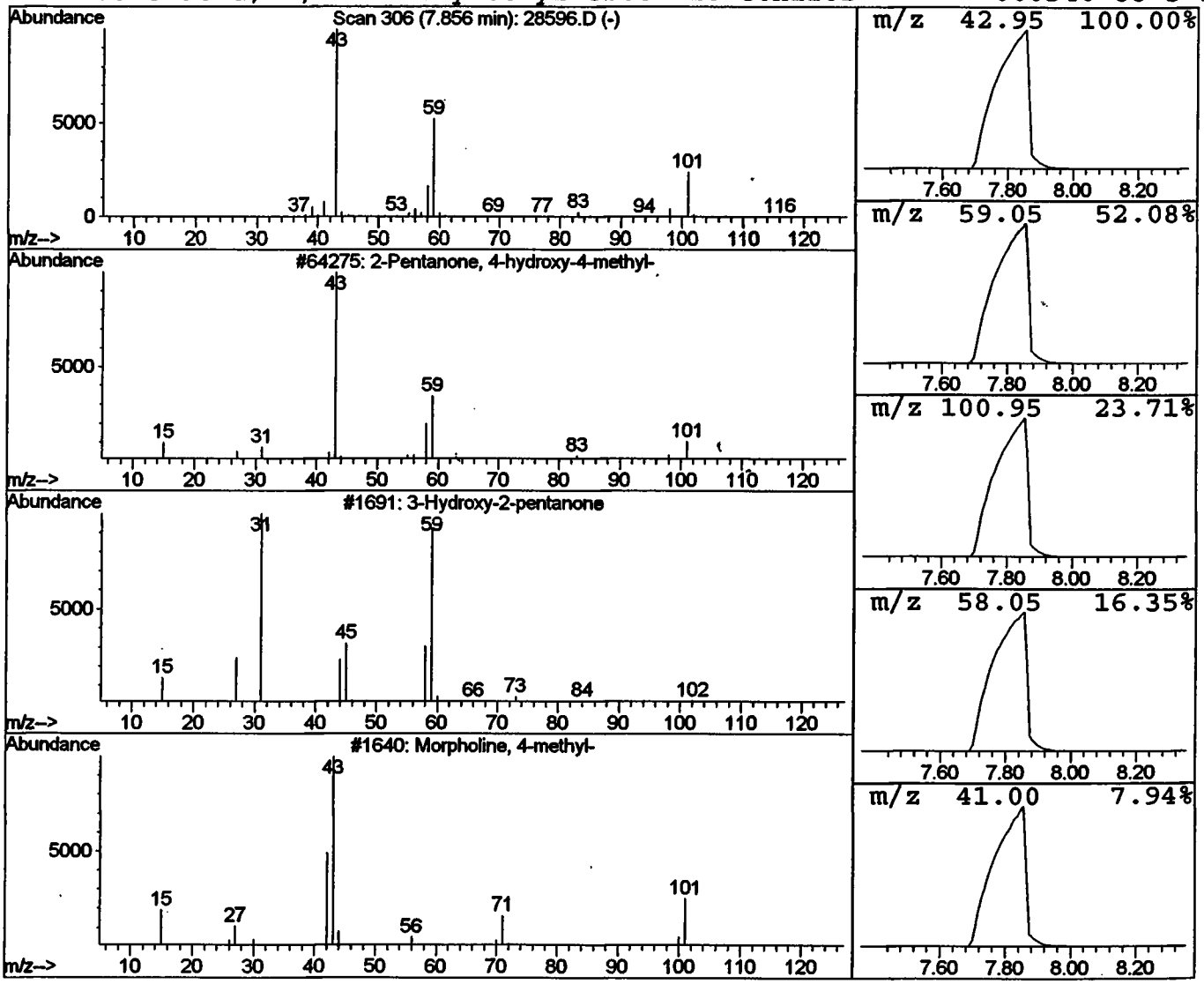
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	336.35 ug/l	76076700	1,4-Dichlorobenzene-d4	11.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
2	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 30 Nov 2001 1:19 am
Data File: C:\HPCHEM\1\DATA\NOV2901\28596.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
5-Hexen-2-one	5.55	4.4	ug/l	990409	ISTD01	11.70	4523660	20.0
3-Penten-2-one, 4-me	6.72	237.8	ug/l	53775400	ISTD01	11.70	4523660	20.0
2-Pentanone, 4-hydro	7.86	336.4	ug/l	76076700	ISTD01	11.70	4523660	20.0

28596.D GCMS1126.M Fri Nov 30 15:30:18 2001