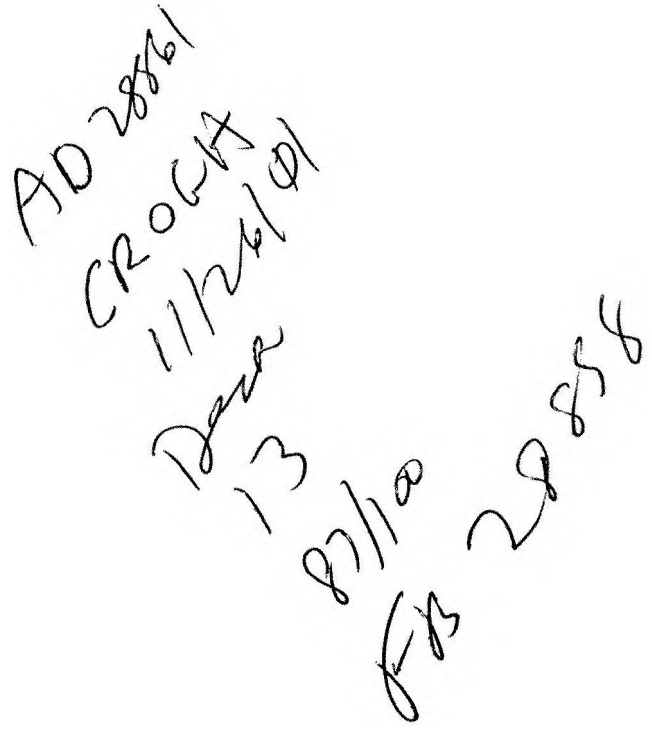
Comments for Sample AD28861 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-17-2001 Time: 09:55:53

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
Present in this sample is Decanedioic acid bis(2-Ethylhexyl) ester at an estimated level of 13 ug/L; however its presence is probably due to laboratory contamination since it was also present in the Laboratory Blank. The recovery for the Surrogate Standard in this sample was below its acceptance range. This sample will be re-extracted and re-analyzed.



User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/17/2001 Time: 09:56:05

Sample: AD28861
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/17/01 09:49 Ended: 12/17/01 09:49 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	[illegible]	[illegible]	[illegible]		[illegible]

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0601\28861.D Vial: 37
Acq On : 7 Dec 2001 10:49 am Operator: 209 GALOS
Sample : 11/28 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 11 15:46 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	1117785	20.00	ug/l	-0.03
15) Naphthalene-d8	15.28	136	4316963	20.00	ug/l	-0.03
26) Acenaphthene-d10	20.56	164	2108310	20.00	ug/l	-0.02
42) Phenanthrene-d10	24.98	188	3030962	20.00	ug/l	-0.01
53) Chrysene-d12	33.01	240	1909280	20.00	ug/l	-0.02
59) Perylene-d12	37.10	264	1203646	20.00	ug/l	-0.02
System Monitoring Compounds						
52) 2,4-DDD	30.05	235	89708	2.49	ug/mL	-0.02
Spiked Amount 5.000			Recovery = 49.80%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	0.00	74	0	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	13.01	77	118	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	15.33	128	1400	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)

Data File : C:\HPCHEM\1\DATA\DEC0601\28861.D Vial: 37
Acq On : 7 Dec 2001 10:49 am Operator: 209 GALOS
Sample : 11/28 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 11 15:46 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	19.94	163	293	N.D.	
32)	2,6-Dinitrotoluene	0.00	165	0	N.D.	d
33)	Acenaphthylene	0.00	152	0	N.D.	
34)	Acenaphthene	20.65	153	122	N.D.	
35)	2,4-Dinitrophenol	0.00	184	0	N.D.	
36)	4-Nitrophenol	21.02	65	335	N.D.	
37)	2,4-Dinitrotoluene	21.22	165	188	N.D.	
38)	Diethylphthalate	22.07	149	1071	N.D.	
39)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
40)	Fluorene	22.18	166	190	N.D.	
41)	Azobenzen/ 1,2-Diphenylhyd	22.69	77	290	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	25.04	178	787	N.D.	
49)	Anthracene	25.17	178	632	N.D.	
50)	Di-n-butylphthalate	26.99	149	14914	N.D.	
51)	Fluoranthene	28.68	202	240	N.D.	
54)	Pyrene	29.33	202	229	N.D.	
55)	Butylbenzylphthalate	0.00	149	0	N.D.	
56)	Benzo(a)anthracene	33.01	228	5803	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.29	149	5156	N.D.	
58)	Chrysene	33.09	228	585	N.D.	
60)	Di-n-Octylphthalate	35.02	149	101	N.D.	
61)	Benzo(b)fluoranthene	36.05	252	341	N.D.	
62)	Benzo(k)fluoranthene	36.05	252	342	N.D.	
63)	Benzo(a)pyrene	37.11	252	5749	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.	

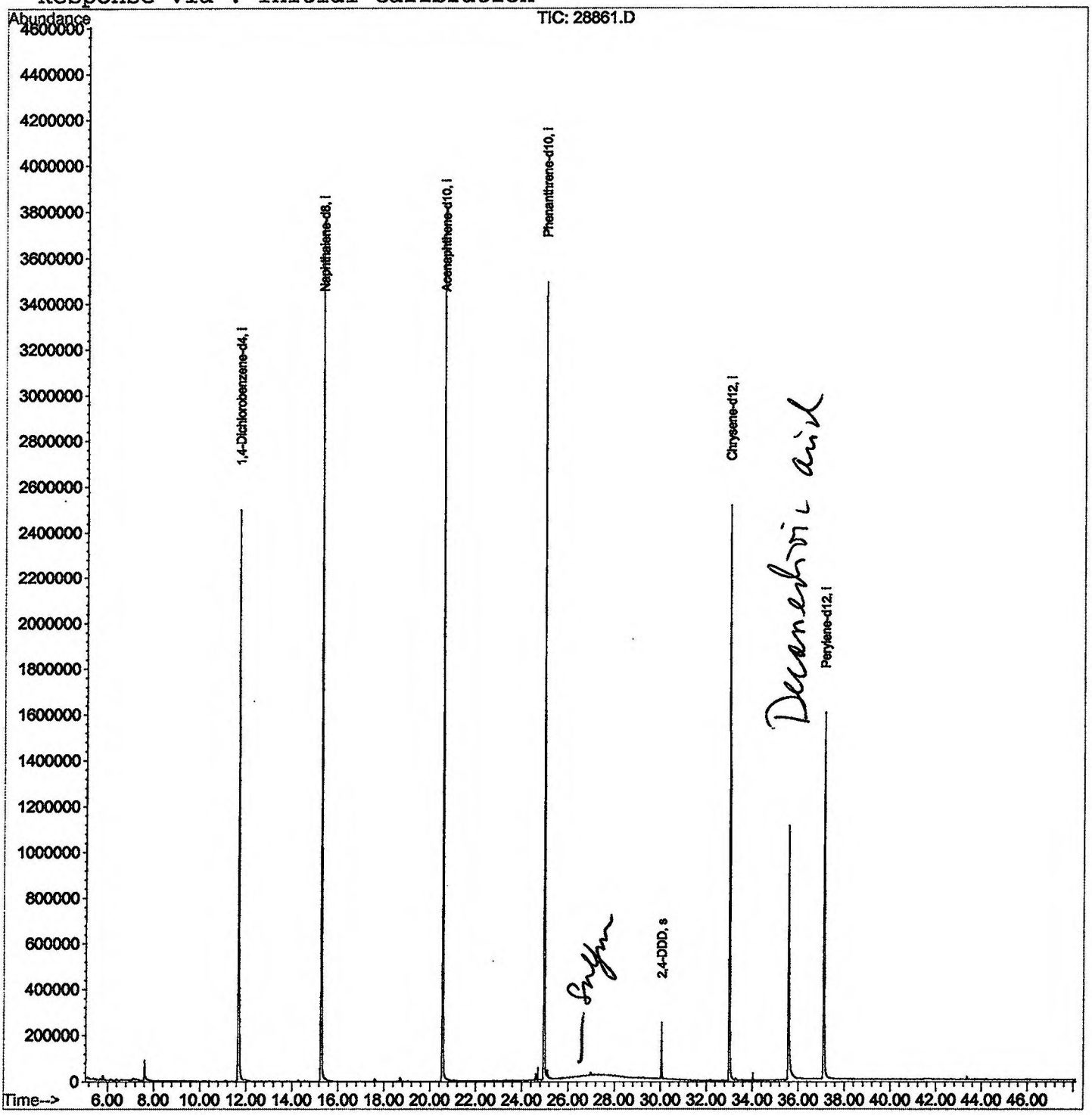
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28861.D
Acq On : 7 Dec 2001 10:49 am
Sample : 11/28 gc/ms scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 11 15:46 2001

Vial: 37
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\28861.D Vial: 37
Acq On : 7 Dec 2001 10:49 am Operator: 209 GALOS
Sample : 11/28 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

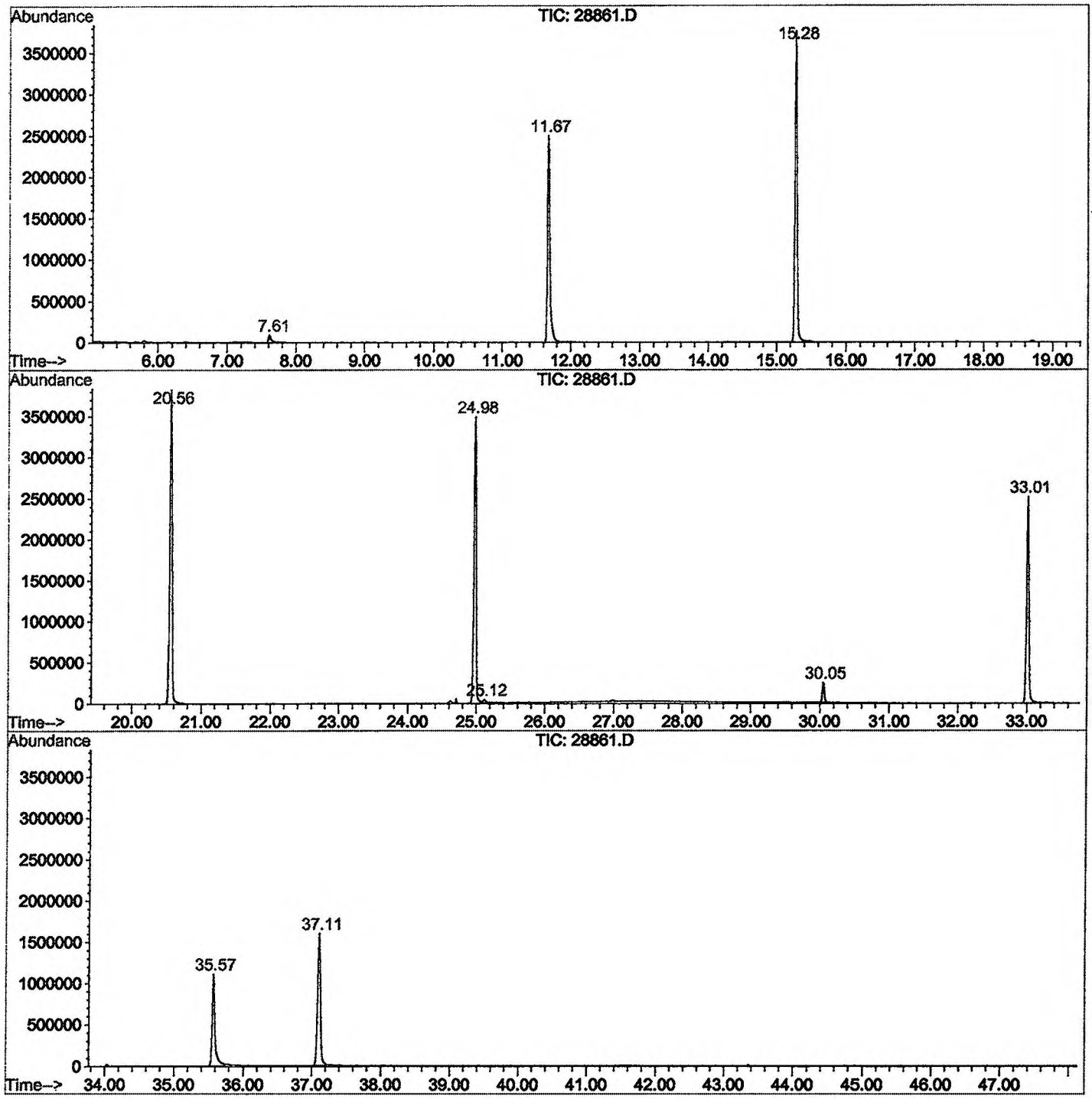
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.612	276	280	291	rBV	89359	229244	2.69%	0.507%
2	11.670	717	722	745	rBV	2499627	6093458	71.61%	13.473%
3	15.277	1109	1115	1133	rBV	3754630	8072392	94.87%	17.848%
4	20.556	1683	1690	1705	rBV	3835817	8509314	100.00%	18.814%
5	24.981	2165	2172	2183	rBV2	3486280	7967747	93.64%	17.617%
6	25.119	2183	2187	2193	rVB	34468	90690	1.07%	0.201%
7	30.048	2719	2724	2730	rBV	239937	492583	5.79%	1.089%
8	33.014	3040	3047	3064	rBV2	2512805	5981064	70.29%	13.224%
9	35.566	3319	3325	3344	rBV	1106928	3090782	36.32%	6.834%
10	37.108	3484	3493	3510	rBV2	1595844	4701026	55.25%	10.394%

Sum of corrected areas: 45228300

28861.D GCMS1126.M Tue Dec 11 16:03:30 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0601\28861.D
Operator : 209 GALOS
Acquired : 7 Dec 2001 10:49 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/28 gc/ms scan
Misc Info :
Vial Number: 37
Quant File :GCMS1126.RES (RTE Integrator)



28861.D GCMS1126.M Tue Dec 11 16:03:36 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28861.D Vial: 37
Acq On : 7 Dec 2001 10:49 am Operator: 209 GALOS
Sample : 11/28 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

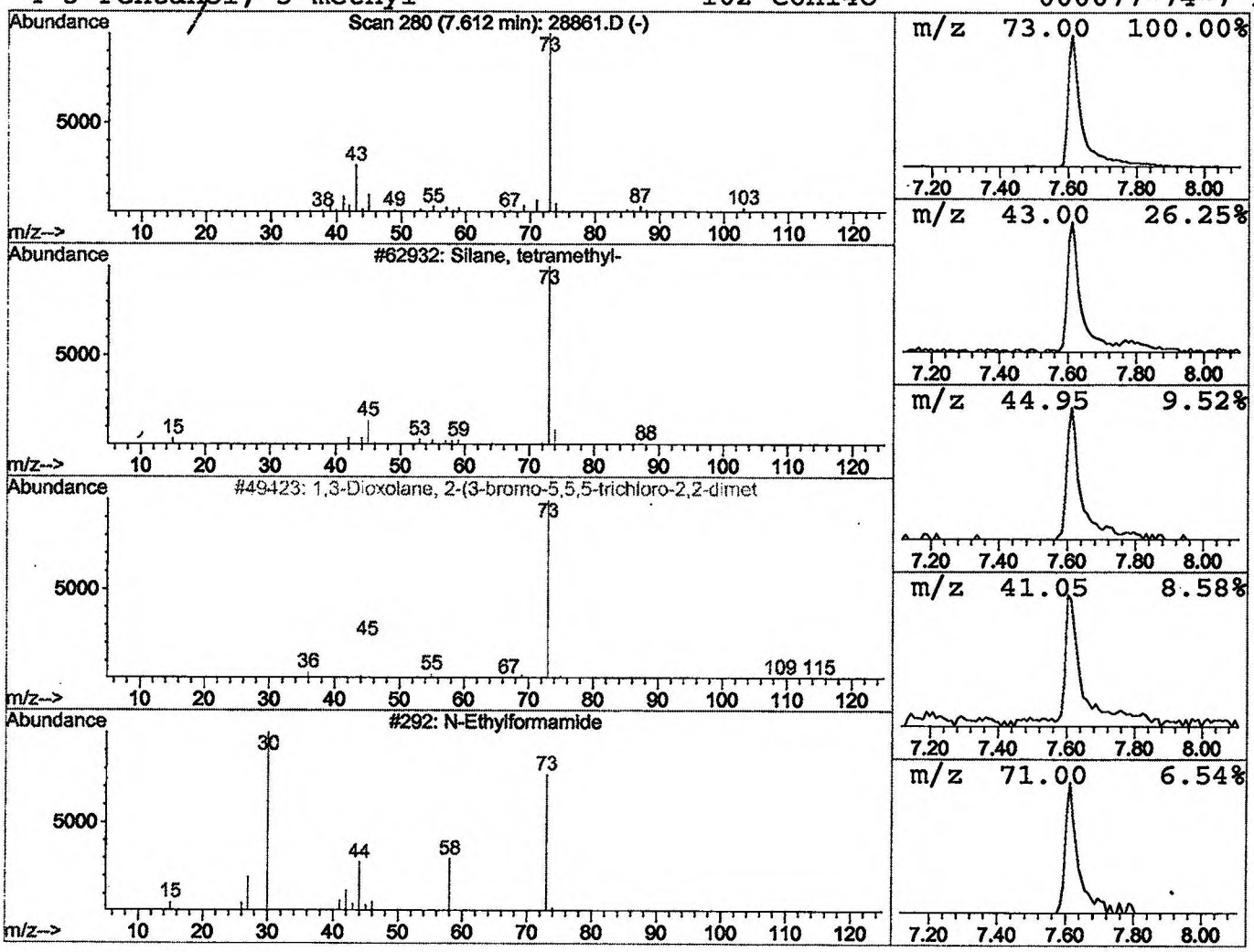
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	0.75 ug/l	229244	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	43
2	1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	23
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28861.D
Acq On : 7 Dec 2001 10:49 am
Sample : 11/28 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 37
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

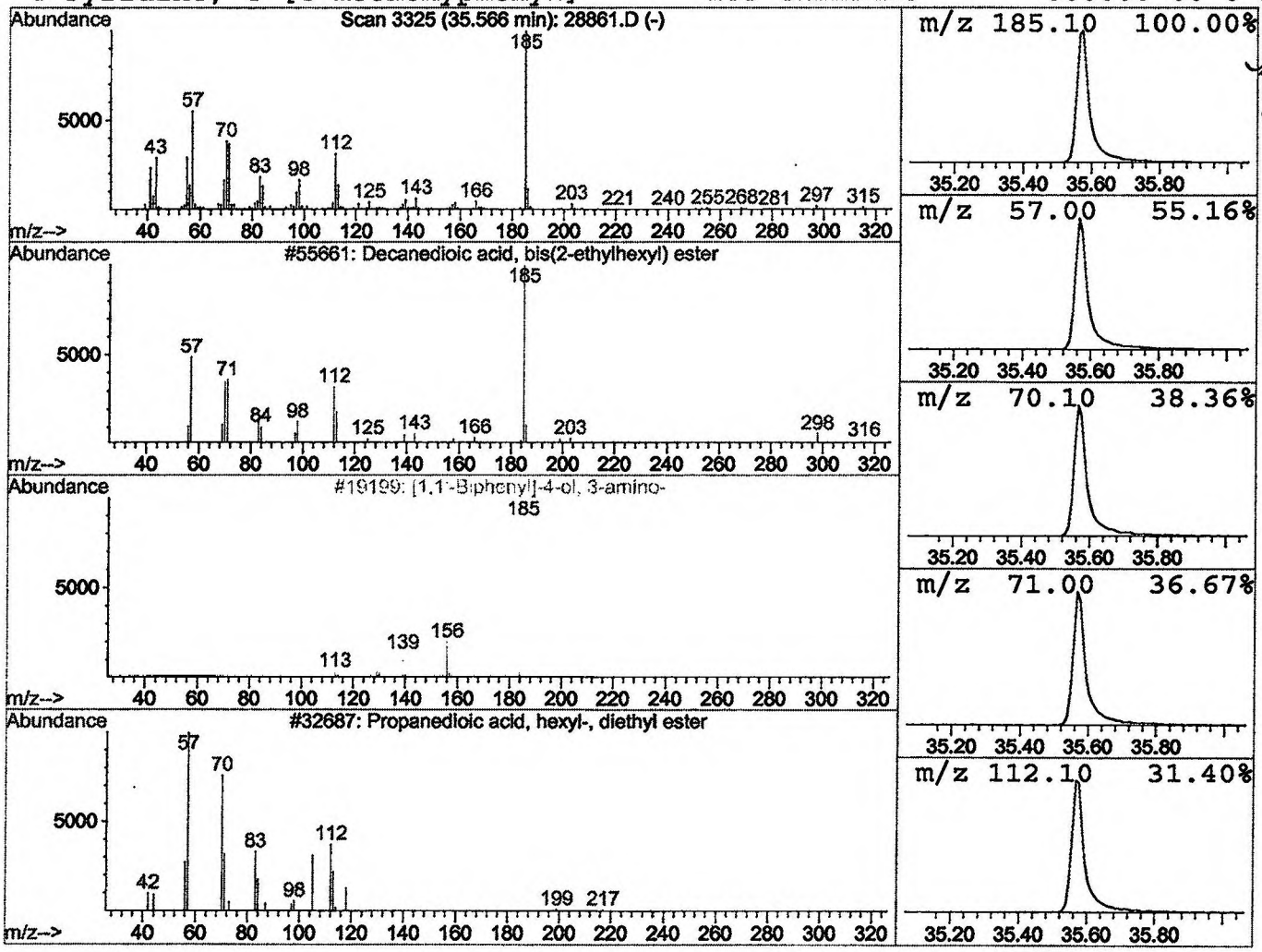
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Decanedioic acid, bis(2-ethylh Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.57	13.15 ug/l	3090780	Perylene-d12	37.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanedioic acid, bis(2-ethylhexyl)	426	C26H50O4	000122-62-3	87
2	[1,1'-Biphenyl]-4-ol, 3-amino-	185	C12H11NO	001134-36-7	27
3	Propanedioic acid, hexyl-, diethyl	244	C13H24O4	005398-10-7	16
4	Pyridine, 4-[4-methoxyphenyl]-	185	C12H11NO	000000-00-0	12



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 7 Dec 2001 10:49 am
Data File: C:\HPCHEM\1\DATA\DEC0601\28861.D
Name: 11/28 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
~~Silane, t~~etramethyl-	7.61	0.8	ug/l	229244	ISTD01	11.67	6093460	20.0
Decanedioic acid, bi	35.57	13.1	ug/l	3090780	ISTD06	37.10	4701030	20.0

28861.D GCMS1126.M Tue Dec 11 16:03:51 2001