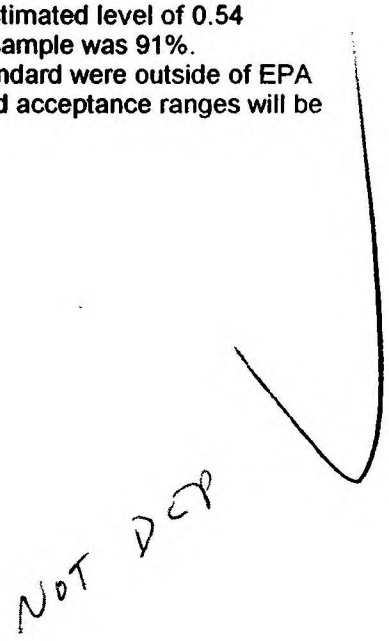
Comments for Sample AD28147 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-06-2001 Time: 12:02:09

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
However, bis(2-Ethylhexyl)phthalate is present at an estimated level of 0.54 ug/L. The recovery for the Surrogate Standard in this sample was 91%.
Recoveries for 14 of the 44 compounds in the LCS Standard were outside of EPA 625 acceptance ranges. Soon however, GCMS method acceptance ranges will be established and used instead.



User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/06/2001 Time: 12:01:07

Sample: AD28147
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/6/01 12:00 Ended: 12/6/01 12:00 Analyst: DLV
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0501\28147.D Vial: 7
Acq On : 5 Dec 2001 6:30 pm Operator: 209 GALOS
Sample : re extract Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 19:18 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	11.71	152	758132	20.00	ug/l	0.01
15) Naphthalene-d8	15.32	136	2873388	20.00	ug/l	0.01
26) Acenaphthene-d10	20.59	164	1370651	20.00	ug/l	0.01
42) Phenanthrene-d10	25.00	188	1879614	20.00	ug/l	0.01
53) Chrysene-d12	33.04	240	1060161	20.00	ug/l	0.00
59) Perylene-d12	37.12	264	656802	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.08	235	101754	4.55	ug/mL	0.01
Spiked Amount 5.000			Recovery = 91.00%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.23	74	185	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	13.60	82	225	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	15.37	128	675	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.		

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

Quantitation Report (QT Reviewed)

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Acq On : 5 Dec 2001 6:30 pm Operator: 209 GALOS
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MS Integration Params: RTEINT.P
Quant Time: Dec 5 19:18 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

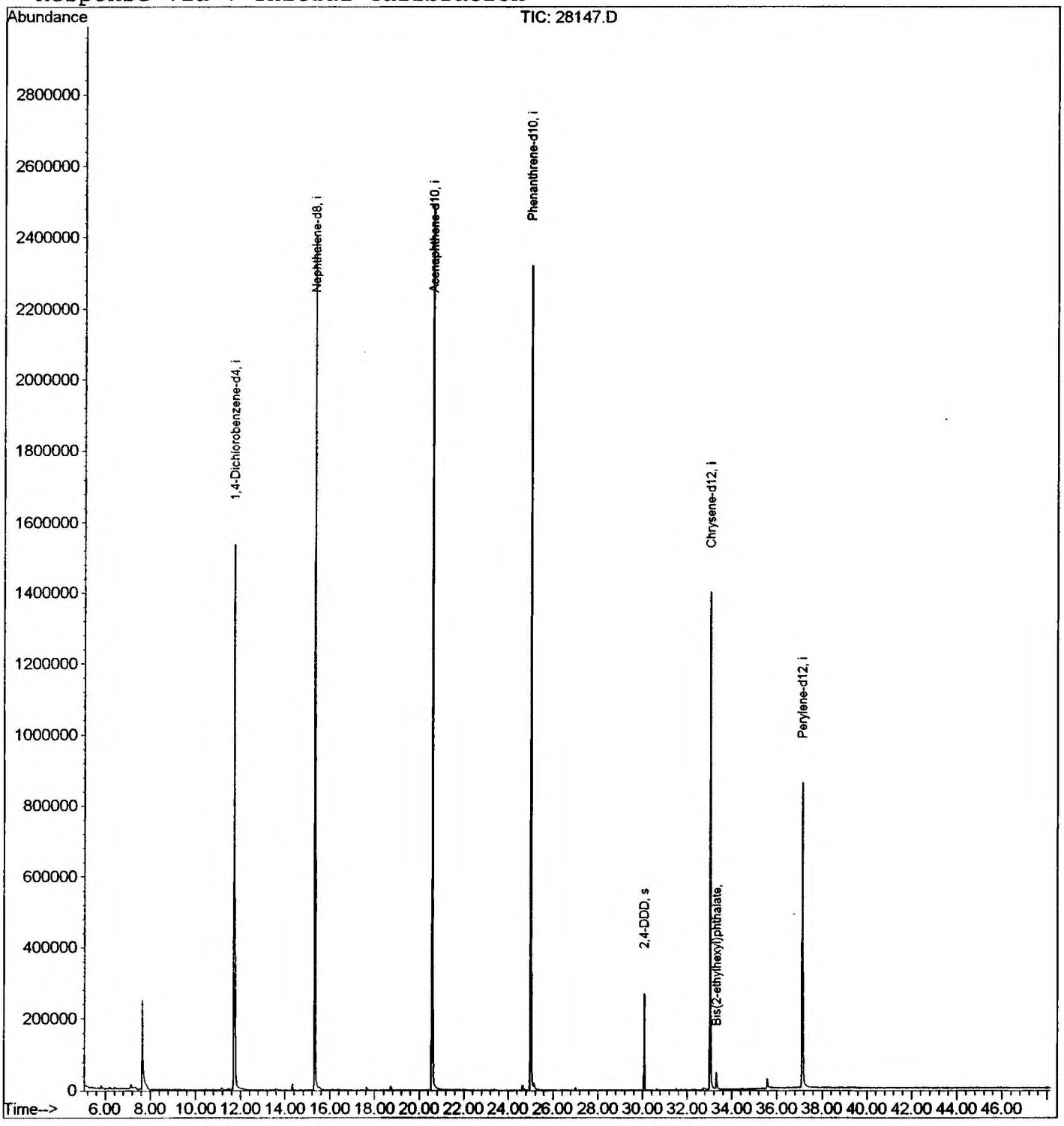
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) Acenaphthylene	0.00	152	0	N.D.	
34) Acenaphthene	0.00	153	0	N.D.	
35) 2,4-Dinitrophenol	0.00	184	0	N.D.	
36) 4-Nitrophenol	0.00	65	0	N.D.	
37) 2,4-Dinitrotoluene	0.00	165	0	N.D.	
38) Diethylphthalate	22.10	149	760	N.D.	
39) 4-Chlorophenyl-phenylether	0.00	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	25.00	178	534	N.D.	
49) Anthracene	25.00	178	534	N.D.	
50) Di-n-butylphthalate	27.01	149	8531	N.D.	
51) Fluoranthene	0.00	202	0	N.D.	
54) Pyrene	0.00	202	0	N.D.	
55) Butylbenzylphthalate	31.51	149	2533	N.D.	
56) Benzo(a)anthracene	33.04	228	2345	N.D.	
57) Bis(2-ethylhexyl)phthalate	33.31	149	35094	0.54 ug/l	96
58) Chrysene	33.04	228	2345	N.D.	
60) Di-n-Octylphthalate	35.05	149	219	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	37.12	252	2745	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\DEC0501\28147.D Vial: 7
Acq On : 5 Dec 2001 6:30 pm Operator: 209 GALOS
Sample : re extract Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 19:18 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\DEC0501\28147.D Vial: 7
Acq On : 5 Dec 2001 6:30 pm Operator: 209 GALOS
Sample : re extract 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

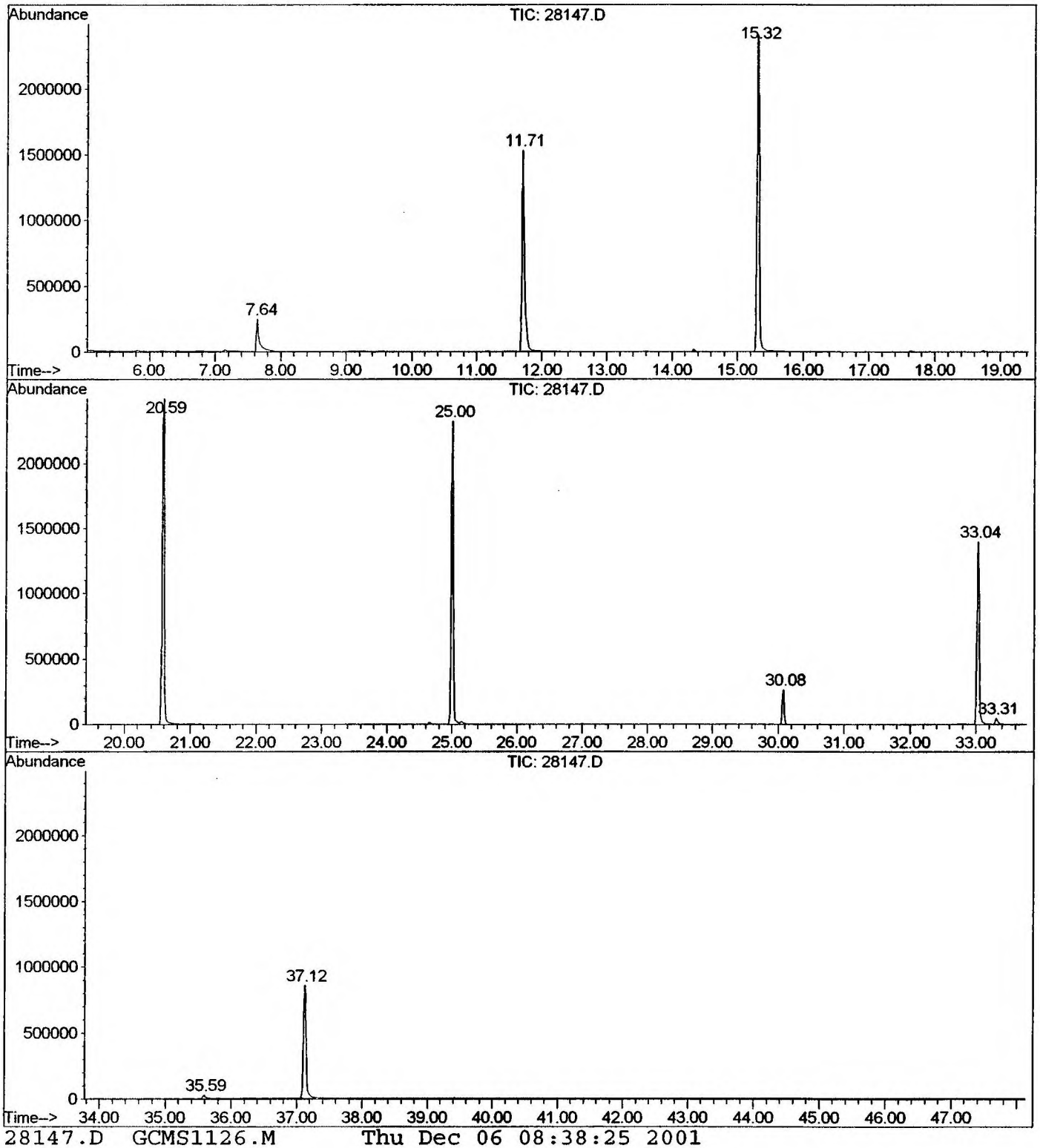
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.644	279	283	316	rBV	246819	806322	14.55%	2.949%
2	11.711	721	726	746	rBV	1534060	4112492	74.19%	15.039%
3	15.319	1113	1119	1137	rBV	2405365	5391510	97.27%	19.716%
4	20.589	1686	1693	1709	rBV	2492592	5543037	100.00%	20.270%
5	25.004	2167	2174	2186	rBV2	2319879	4986754	89.96%	18.236%
6	30.081	2721	2727	2736	rBV	267654	549870	9.92%	2.011%
7	33.037	3042	3049	3063	rBV2	1398117	3327194	60.02%	12.167%
8	33.313	3074	3079	3087	rVB2	45790	112842	2.04%	0.413%
9	35.589	3322	3327	3338	rBV2	27471	89287	1.61%	0.327%
10	37.122	3487	3494	3512	rBV2	854053	2426657	43.78%	8.874%

Sum of corrected areas: 27345965

28147.D GCMS1126.M Thu Dec 06 08:38:23 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0501\28147.D
Operator : 209 GALOS
Acquired : 5 Dec 2001 6:30 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: re extract
Misc Info :
Vial Number: 7
Quant File :GCMS1126.RES (RTE Integrator)



28147.D GCMS1126.M Thu Dec 06 08:38:25 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\28147.D
Acq On : 5 Dec 2001 6:30 pm
Sample : re extract
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

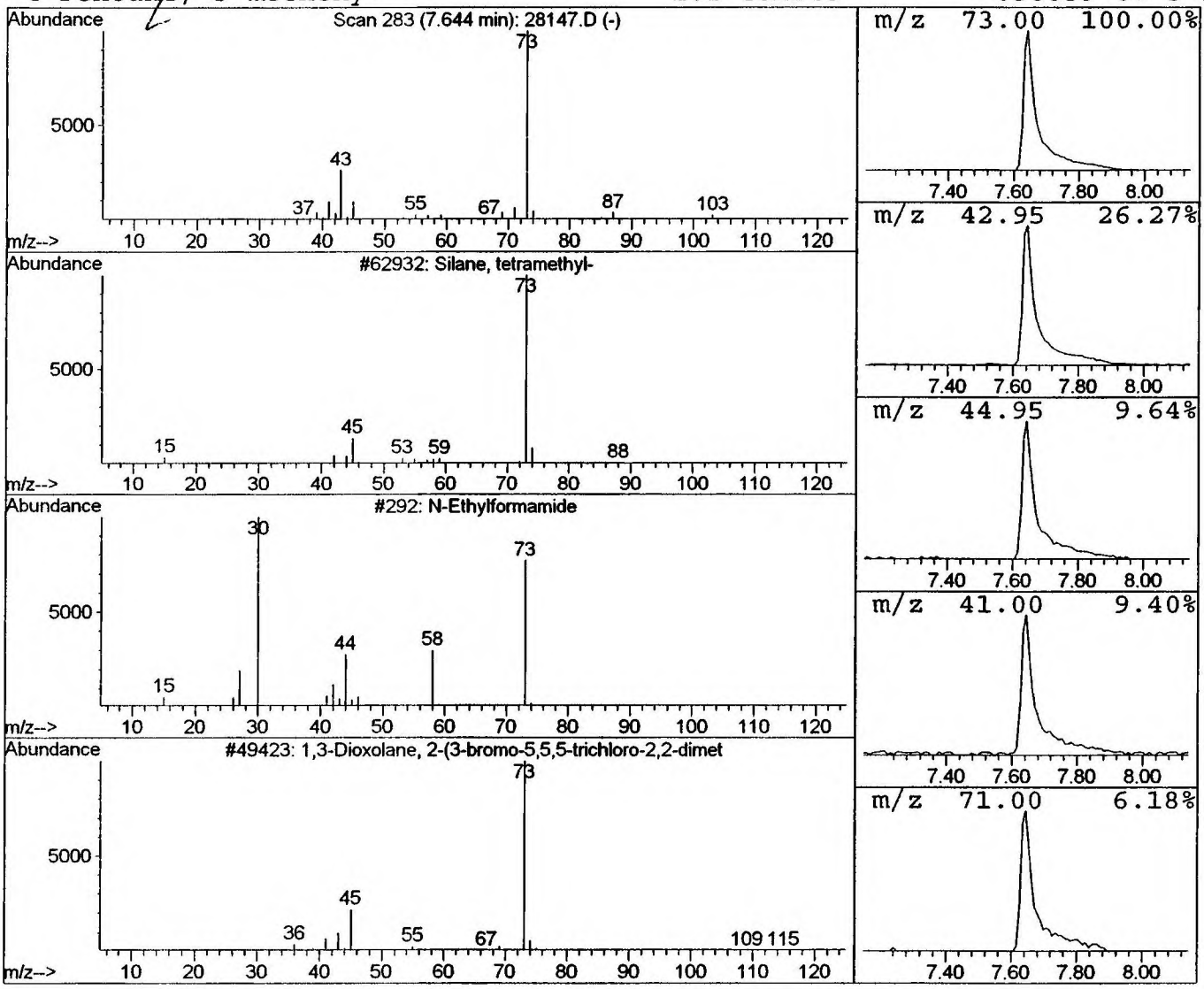
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	3.92 ug/l	806322	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\28147.D
Acq On : 5 Dec 2001 6:30 pm
Sample : re extract
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

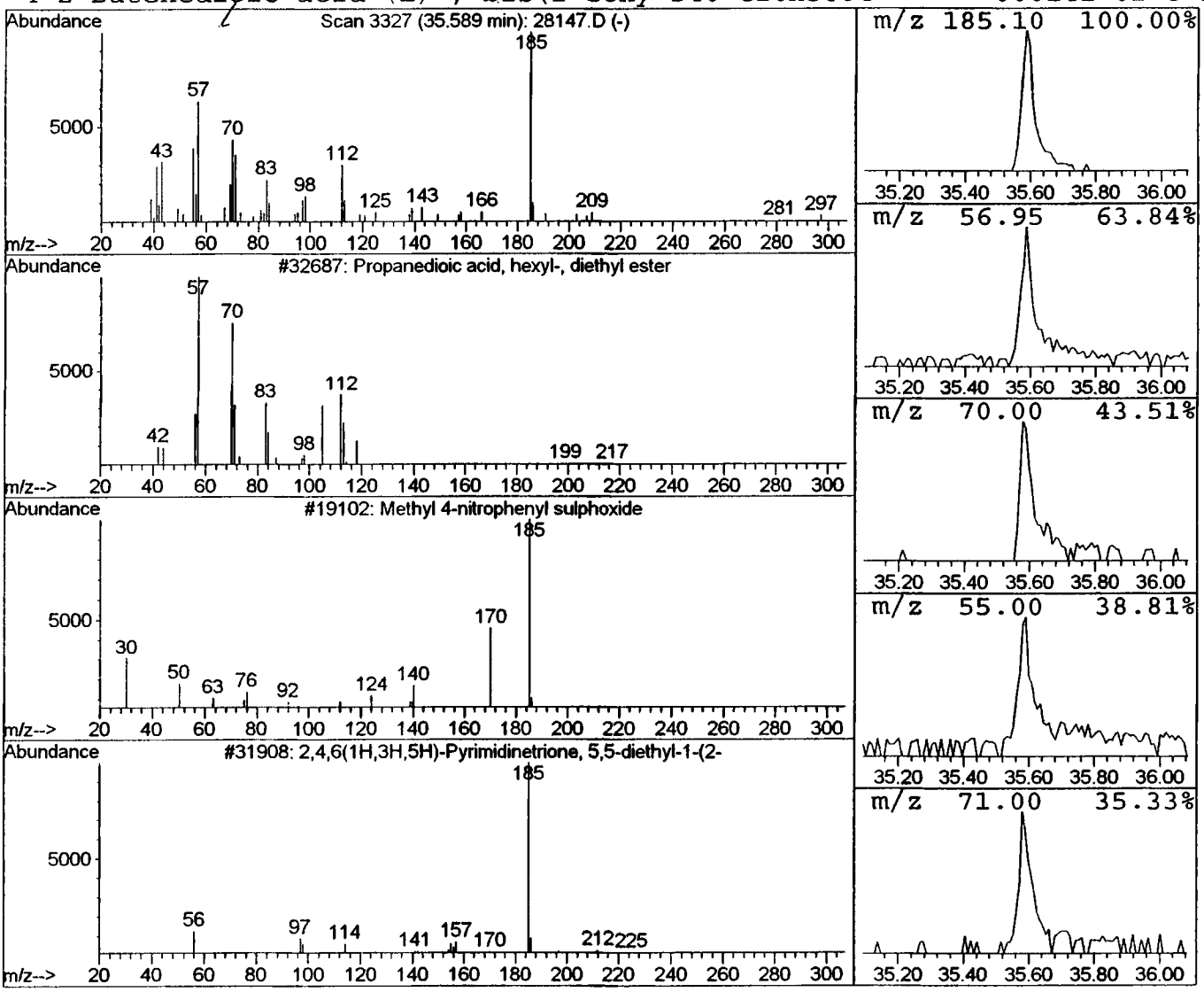
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Propanedioic acid, hexyl-, die Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.59	0.74 ug/l	89287	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanedioic acid, hexyl-, diethyl	244	C13H24O4	005398-10-7	35
2	Methyl 4-nitrophenyl sulphoxide	185	C7H7NO3S	000940-12-5	25
3	2,4,6(1H,3H,5H)-Pyrimidinetrione, 5	240	C12H20N2O3	051209-91-7	23
4	2-Butenedioic acid (E)-, bis(2-ethy	340	C20H36O4	000141-02-6	17



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 5 Dec 2001 6:30 pm
Data File: C:\HPCHEM\1\DATA\DEC0501\28147.D
Name: re extract
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, tetramethyl-	7.64	3.9	ug/l	806322	ISTD01	11.71	4112490	20.0
Propanedioic acid, h	35.59	0.7	ug/l	89287	ISTD06	37.12	2426660	20.0

28147.D GCMS1126.M Thu Dec 06 08:38:32 2001