Comments for Sample AD28650 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 15:26:09

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 u/L.
The recovery for the Surrogate Standard in this sample was 103%. Recoveries for 16 of the 44 compounds in the LCS Standard were outside of their acceptance ranges. The pH of this sample when received was less than 2.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0601\28650.D Vial: 4
Acq On : 6 Dec 2001 2:04 pm Operator: 209 GALOS
Sample : re extract Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 15:04 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	11.68	152	1120636	20.00	ug/l	-0.02
15) Naphthalene-d8	15.28	136	4274978	20.00	ug/l	-0.03
26) Acenaphthene-d10	20.56	164	2140542	20.00	ug/l	-0.02
42) Phenanthrene-d10	24.98	188	3089262	20.00	ug/l	-0.01
53) Chrysene-d12	33.01	240	2025323	20.00	ug/l	-0.02
59) Perylene-d12	37.11	264	1507737	20.00	ug/l	-0.01
System Monitoring Compounds						
52) 2,4-DDD	30.06	235	189192	5.14	ug/mL	-0.01
Spiked Amount 5.000			Recovery = 102.80%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.23	74	177	N.D.		
4) Phenol	11.22	94	108	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	13.32	77	191	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	3084	N.D.		
24) Hexachlorobutadiene	15.88	225	210	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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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	21.13	65	527	N.D.	
37)	2,4-Dinitrotoluene	21.42	165	300	N.D.	
38)	Diethylphthalate	22.07	149	2553	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	22.66	77	120	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	796	N.D.	
49)	Anthracene	25.04	178	796	N.D.	
50)	Di-n-butylphthalate	27.00	149	32772	N.D.	
51)	Fluoranthene	0.00	202	0	N.D.	
54)	Pyrene	0.00	202	0	N.D.	
55)	Butylbenzylphthalate	31.49	149	753	N.D.	
56)	Benzo(a)anthracene	33.01	228	6695	N.D.	
57)	Bis(2-ethylhexyl)phthalate	33.29	149	40505	0.33 ug/l	98
58)	Chrysene	33.09	228	1203	N.D.	
60)	Di-n-Octylphthalate	35.02	149	1515	N.D.	
61)	Benzo(b)fluoranthene	36.04	252	1976	N.D.	
62)	Benzo(k)fluoranthene	36.11	252	2362	N.D.	
63)	Benzo(a)pyrene	36.94	252	1469	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	41.88	276	100	N.D.	

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

Quantitation Report

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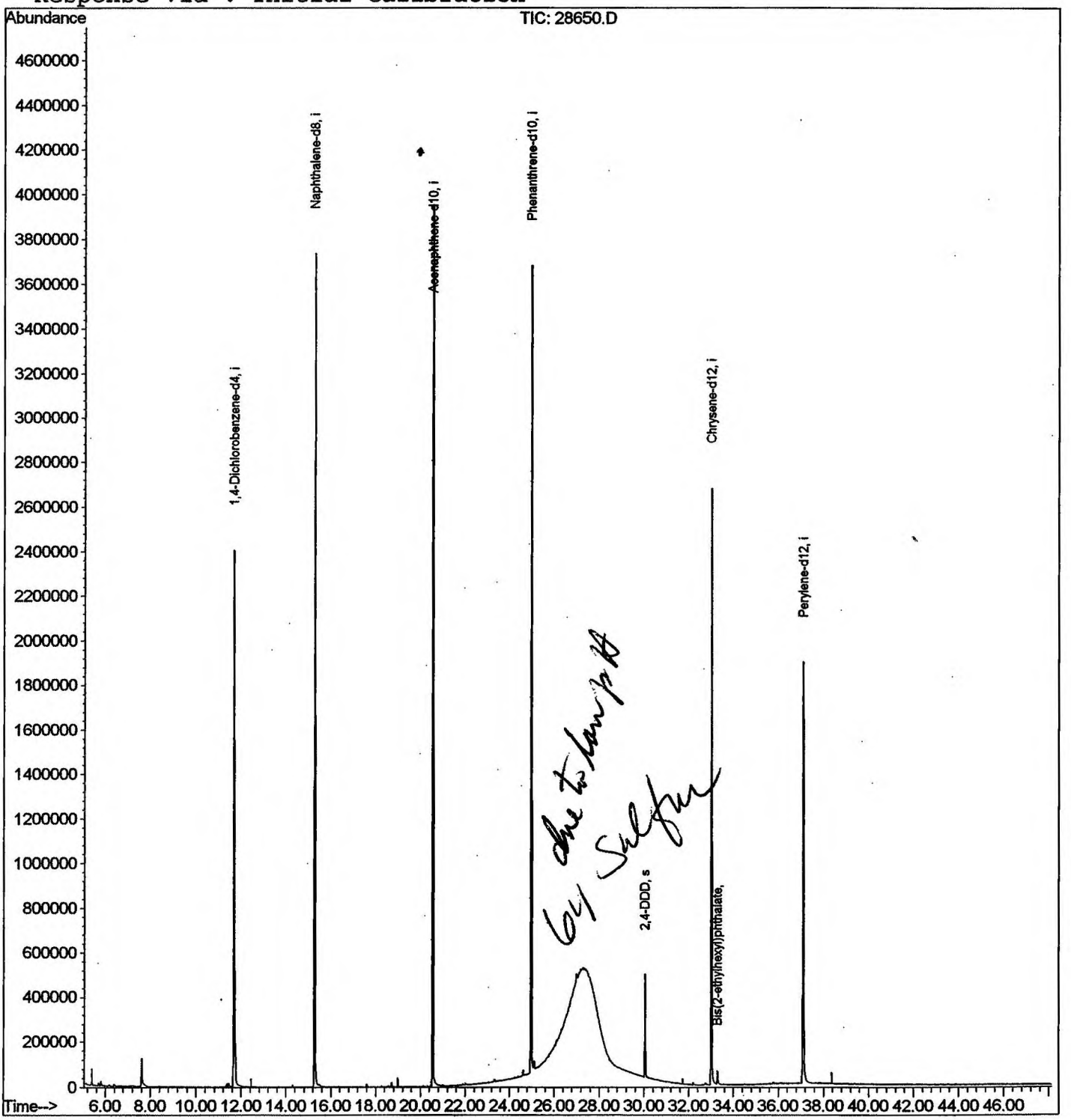
Acq On : 6 Dec 2001 2:04 pm Operator: 209 GALOS
Sample : re extract Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 15:04 2001 Quant Results File: GCMS1126.RES

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\DEC0601\28650.D Vial: 4
Acq On : 6 Dec 2001 2:04 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

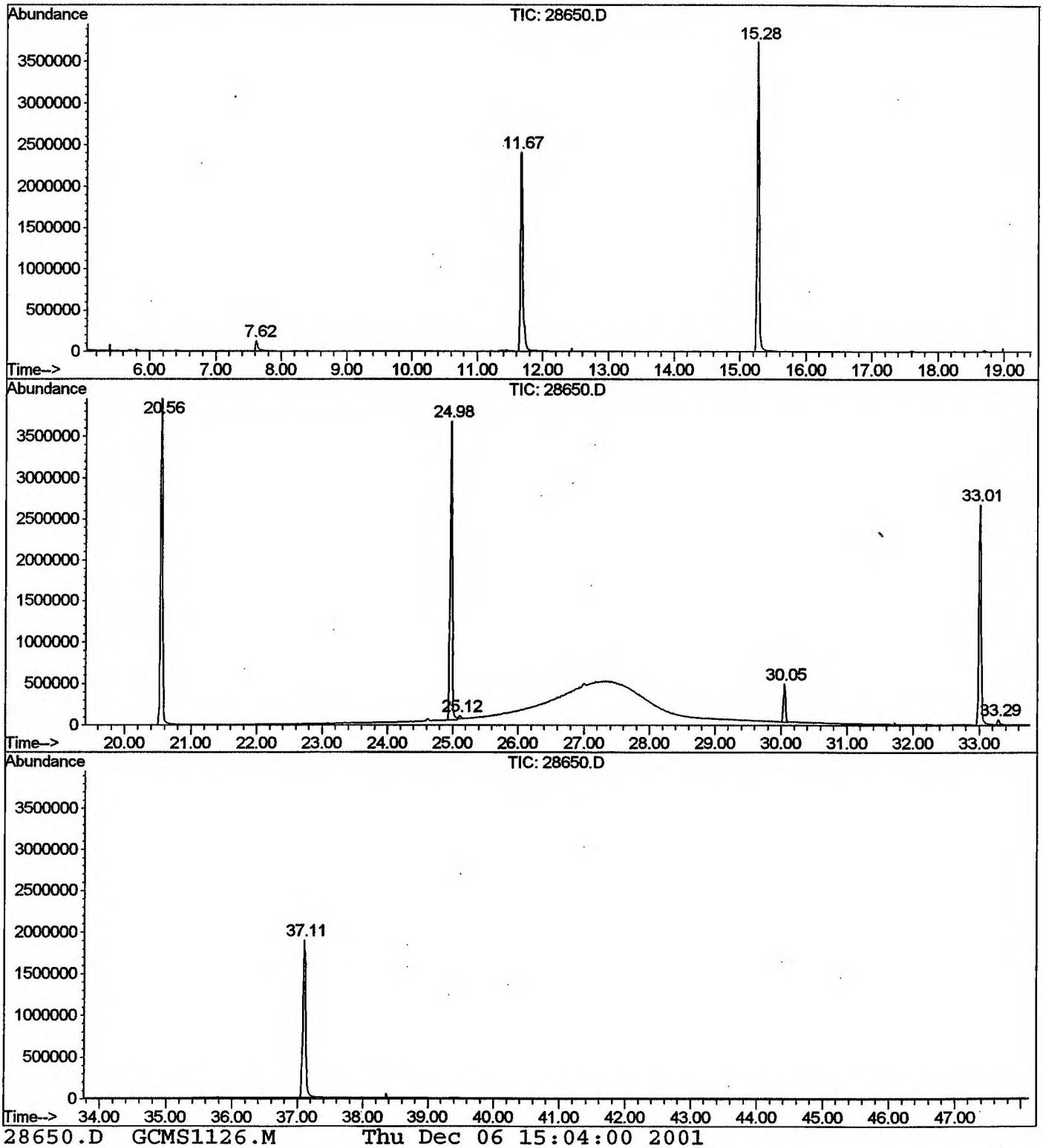
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.621	277	281	299	rBV	120911	335473	3.89%	0.758%
2	11.670	717	722	742	rBV	2404060	6084581	70.62%	13.754%
3	15.278	1109	1115	1133	rBV	3734450	7966857	92.46%	18.008%
4	20.556	1683	1690	1712	rBV	3951885	8616177	100.00%	19.476%
5	24.981	2165	2172	2183	rBV2	3619596	8121326	94.26%	18.357%
6	25.119	2184	2187	2194	rVB2	35489	93762	1.09%	0.212%
7	30.049	2719	2724	2732	rVB	457419	999492	11.60%	2.259%
8	33.014	3039	3047	3067	rBV2	2672811	6357032	73.78%	14.369%
9	33.289	3072	3077	3089	rVB	60257	161620	1.88%	0.365%
10	37.108	3485	3493	3513	rBV2	1884189	5503903	63.88%	12.441%

Sum of corrected areas: 44240223

28650.D GCMS1126.M Thu Dec 06 15:03:57 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0601\28650.D
Operator : 209 GALOS
Acquired : 6 Dec 2001 2:04 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: re extract
Misc Info :
Vial Number: 4
Quant File :GCMS1126.RES (RTE Integrator)



28650.D GCMS1126.M Thu Dec 06 15:04:00 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\28650.D
Acq On : 6 Dec 2001 2:04 pm
Sample : re extract
Misc :
MS Integration Params: LSCINT.P

Vial: 4
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

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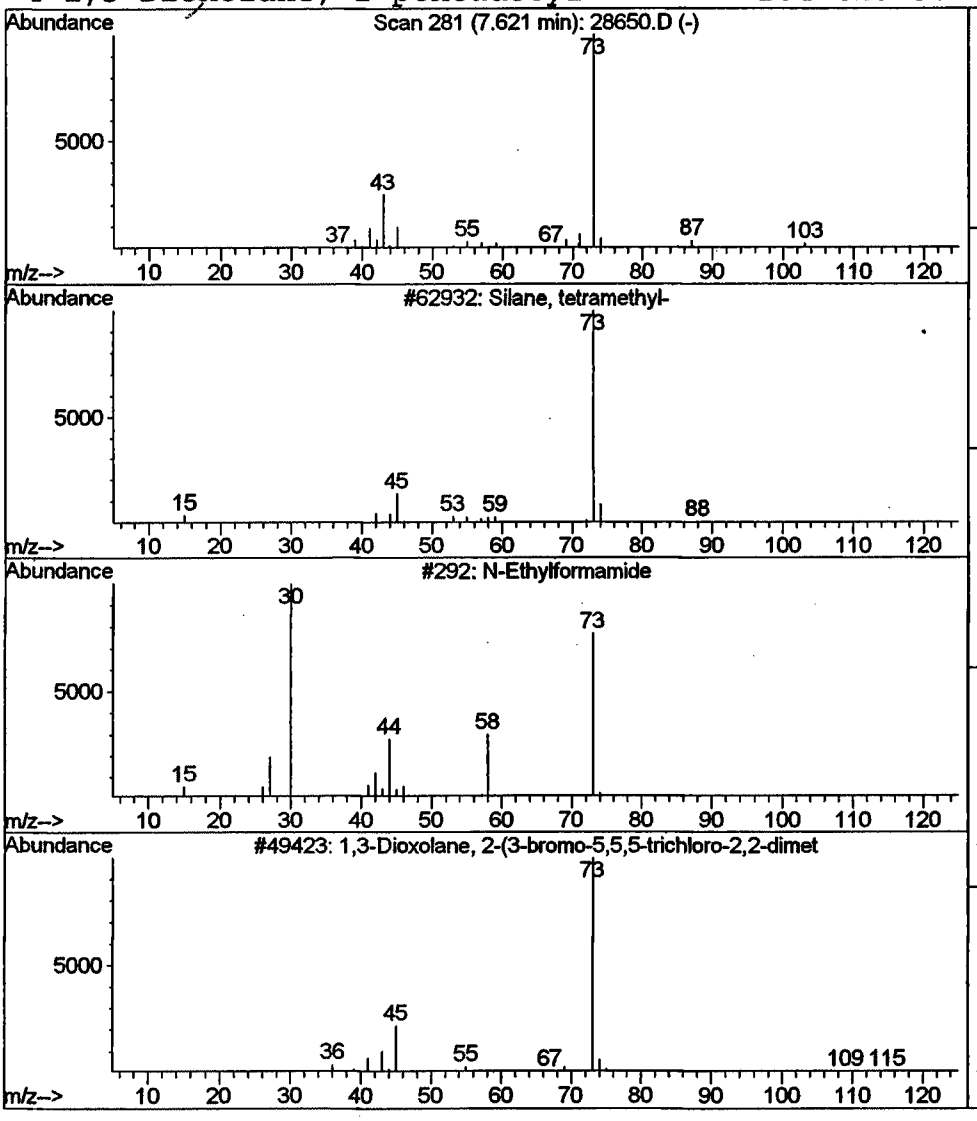
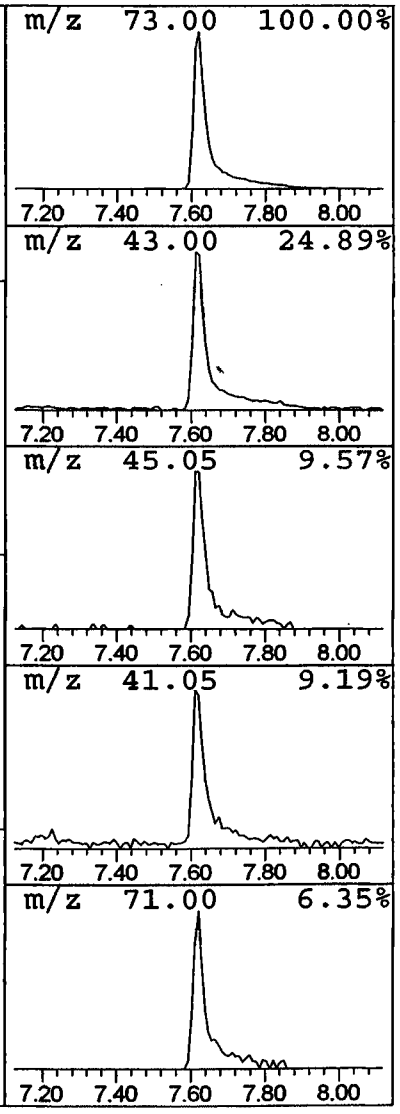
Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	1.10 ug/l	335473	1,4-Dichlorobenzene-d4	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
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	1,3-Dioxolane, 2-pentadecyl-	284	C18H36O2	004360-57-0	9





Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 6 Dec 2001 2:04 pm
Data File: C:\HPCHEM\1\DATA\DEC0601\28650.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-	7.62	1.1	ug/l	335473	ISTD01	11.68	6084580	20.0

28650.D GCMS1126.M Thu Dec 06 15:04:04 2001