Comments for Sample AD28161 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-06-2001 Time: 11:57:29

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 0.51 ug/L. The recovery for the Surrogate Standard in this sample was 93%.
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.

J

NOT DET

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/06/2001 Time: 11:57:32

Sample: AD28161
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/6/01 11:55 Ended: 12/6/01 11:55 Analyst: DLV
Page: 1

	Component Name	Vial	Result
1	Other unknown compounds		.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0501\28161.D Vial: 8
Acq On : 5 Dec 2001 7:28 pm Operator: 209 GALOS
Sample : re extract Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 20:17 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	863312	20.00	ug/l	0.02
15) Naphthalene-d8	15.31	136	3259488	20.00	ug/l	0.00
26) Acenaphthene-d10	20.58	164	1555459	20.00	ug/l	0.00
42) Phenanthrene-d10	25.01	188	2191419	20.00	ug/l	0.02
53) Chrysene-d12	33.03	240	1310228	20.00	ug/l	0.00
59) Perylene-d12	37.13	264	834616	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.08	235	121119	4.64	ug/mL	0.00
Spiked Amount 5.000			Recovery = 92.80%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.18	74	232	N.D.		
4) Phenol	11.42	94	183	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	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	15.38	128	764	N.D.		
24) Hexachlorobutadiene	15.92	225	263	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

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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	20.67	65	104	N.D.	
37) 2,4-Dinitrotoluene	21.05	165	265	N.D.	
38) Diethylphthalate	22.11	149	1390	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	23.10	77	178	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	25.01	178	553	N.D.	
49) Anthracene	25.01	178	553	N.D.	
50) Di-n-butylphthalate	27.01	149	8768	N.D.	
51) Fluoranthene	0.00	202	0	N.D.	
54) Pyrene	0.00	202	0	N.D.	
55) Butylbenzylphthalate	31.52	149	1557	N.D.	
56) Benzo(a)anthracene	33.04	228	3341	N.D.	
57) Bis(2-ethylhexyl)phthalate	33.32	149	40660	0.51 ug/l	99
58) Chrysene	33.04	228	3341	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	37.13	252	3359	N.D.	
64) Indeno(1,2,3-cd)pyrene	40.91	276	1103	N.D.	
65) Dibenz(a,h)anthracene	40.93	278	820	N.D.	
66) Benzo(g,h,i)perylene	41.97	276	2405	N.D.	

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

Quantitation Report

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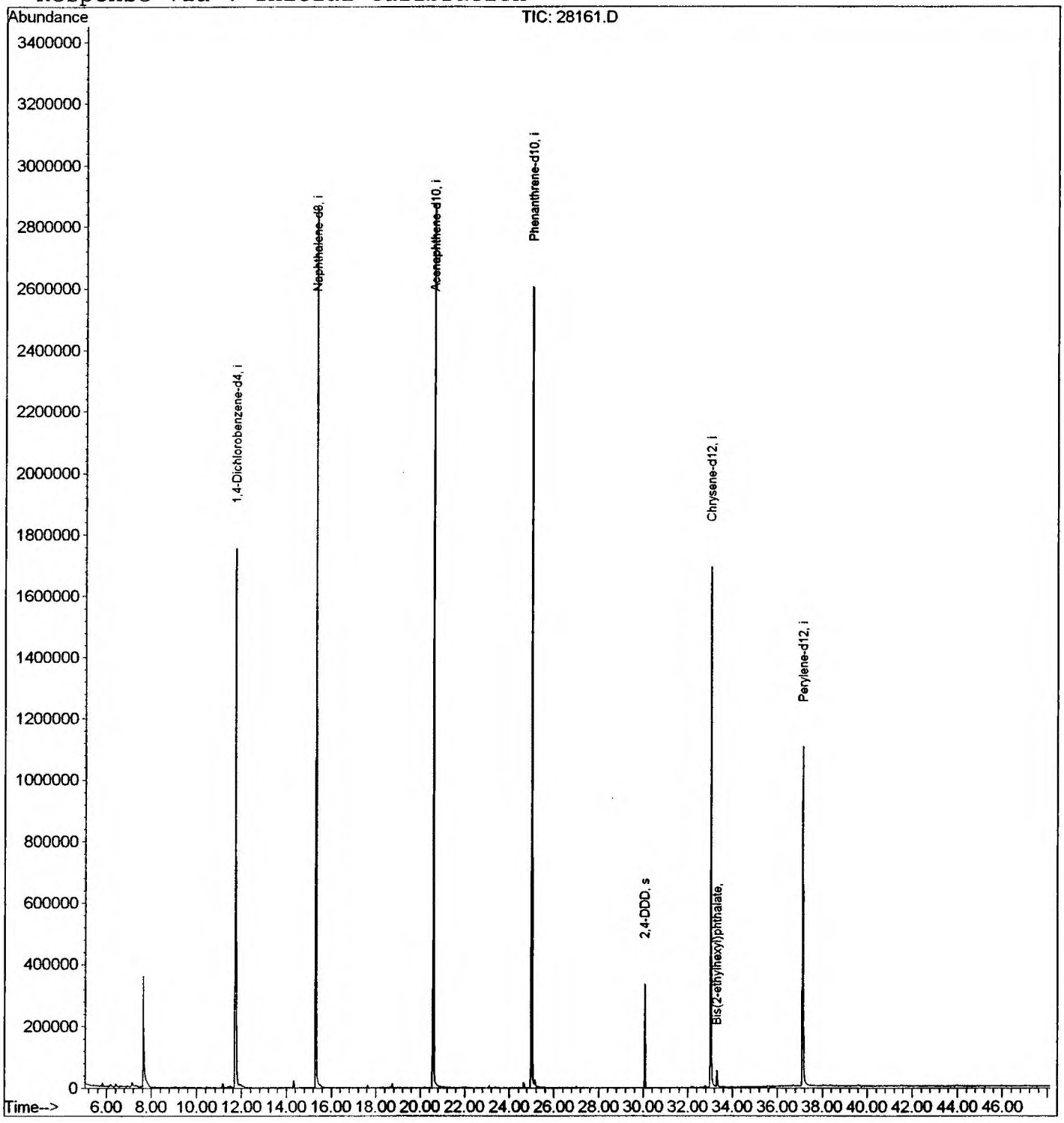
Acq On : 5 Dec 2001 7:28 pm Operator: 209 GALOS
Sample : re extract Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 20:17 2001 Quant Results File: GCMS1126.RES

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\28161.D Vial: 8
Acq On : 5 Dec 2001 7:28 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

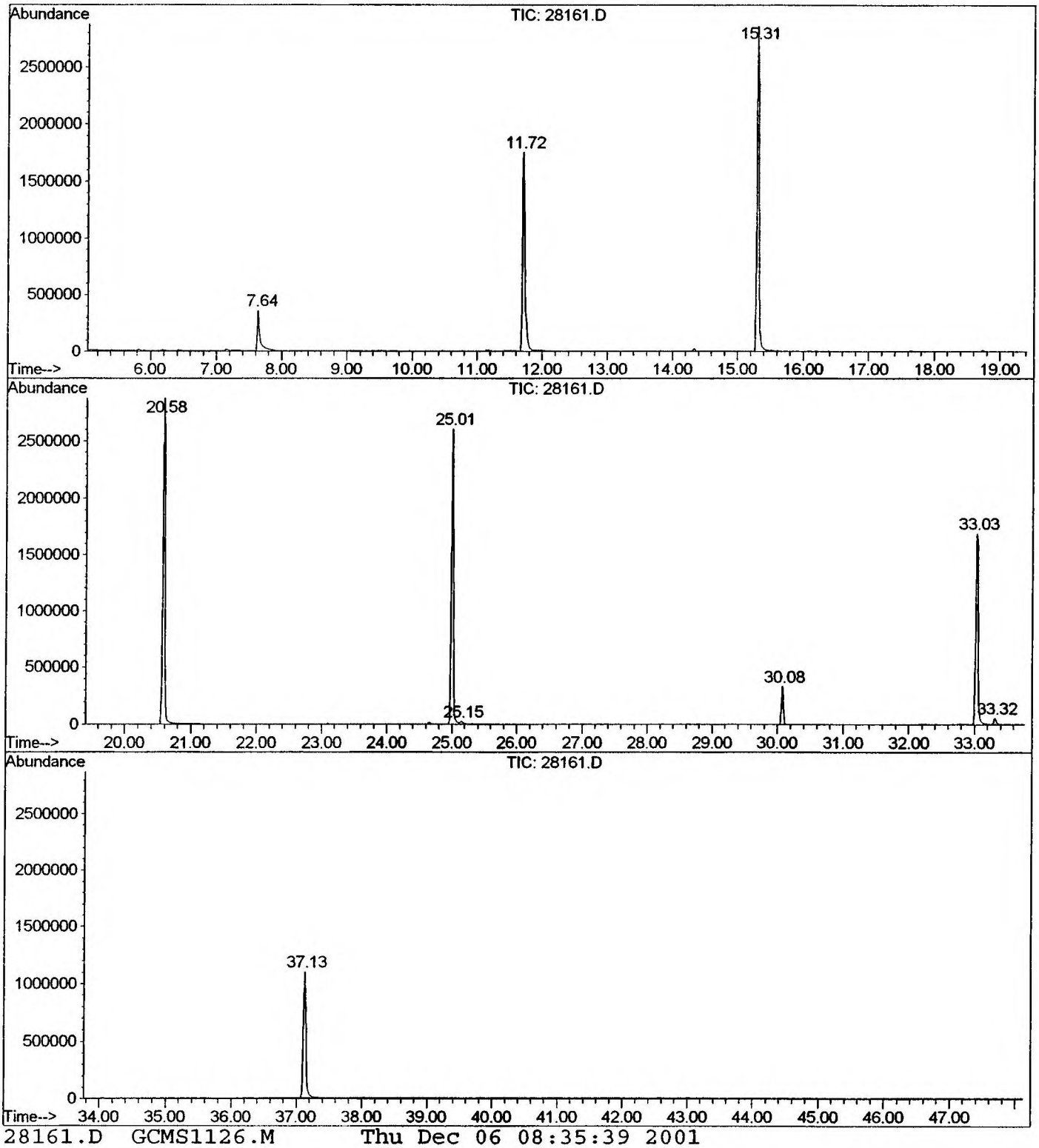
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.639	279	283	315	rBV	357150	1034797	16.38%	3.238%
2	11.715	721	727	743	rBV	1753204	4644641	73.53%	14.535%
3	15.314	1113	1119	1133	rBV	2859871	6099845	96.57%	19.088%
4	20.583	1687	1693	1709	rBV	2875859	6316683	100.00%	19.767%
5	25.008	2168	2175	2186	rBV2	2604660	5784008	91.57%	18.100%
6	25.155	2186	2191	2200	rVB	23821	75411	1.19%	0.236%
7	30.076	2722	2727	2734	rBV	335705	658993	10.43%	2.062%
8	33.032	3041	3049	3066	rBV2	1691627	4117497	65.18%	12.885%
9	33.316	3075	3080	3090	rBV	52832	137444	2.18%	0.430%
10	37.126	3488	3495	3524	rBV2	1100043	3086547	48.86%	9.659%

Sum of corrected areas: 31955866

28161.D GCMS1126.M Thu Dec 06 08:35:36 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0501\28161.D
Operator : 209 GALOS
Acquired : 5 Dec 2001 7:28 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: re extract
Misc Info :
Vial Number: 8
Quant File :GCMS1126.RES (RTE Integrator)



28161.D GCMS1126.M Thu Dec 06 08:35:39 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\28161.D
Acq On : 5 Dec 2001 7:28 pm
Sample : re extract
Misc :
MS Integration Params: LSCINT.P

Vial: 8
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

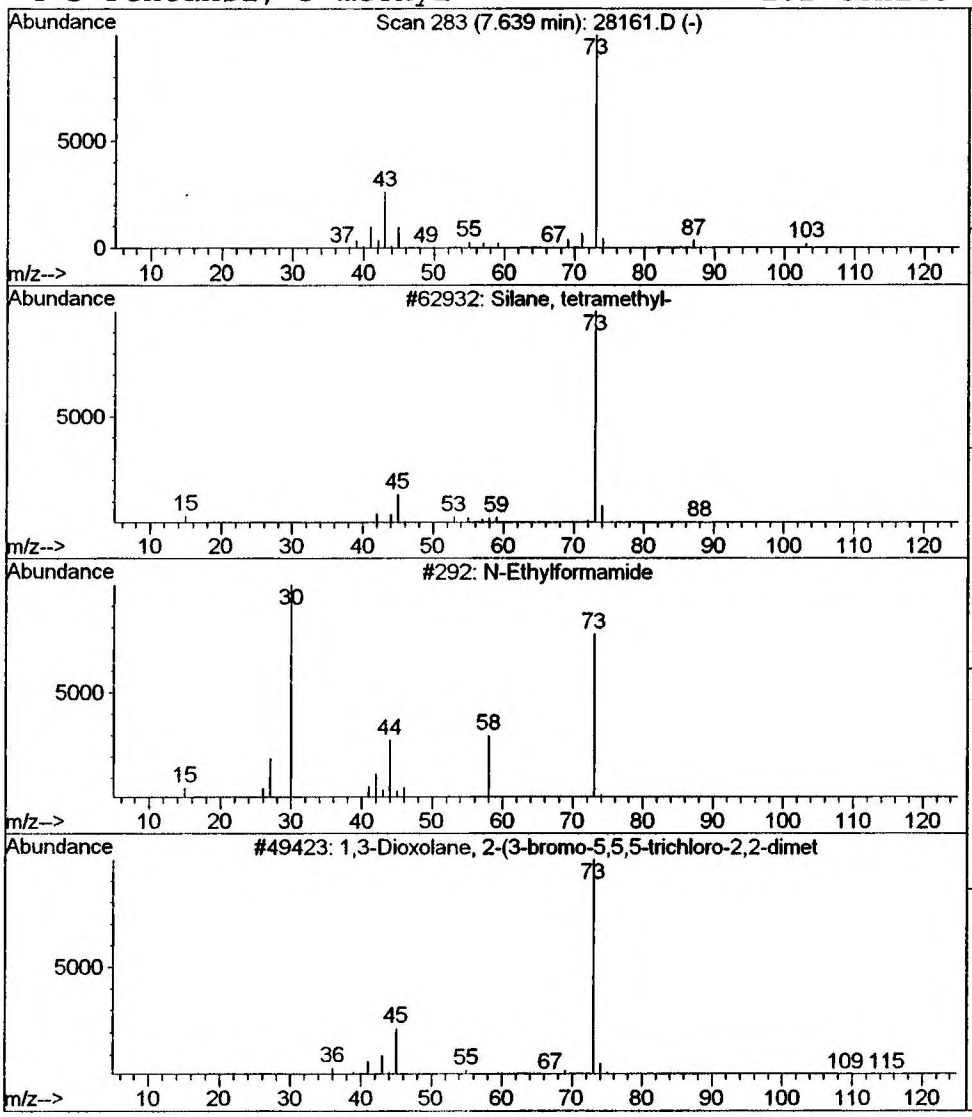
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

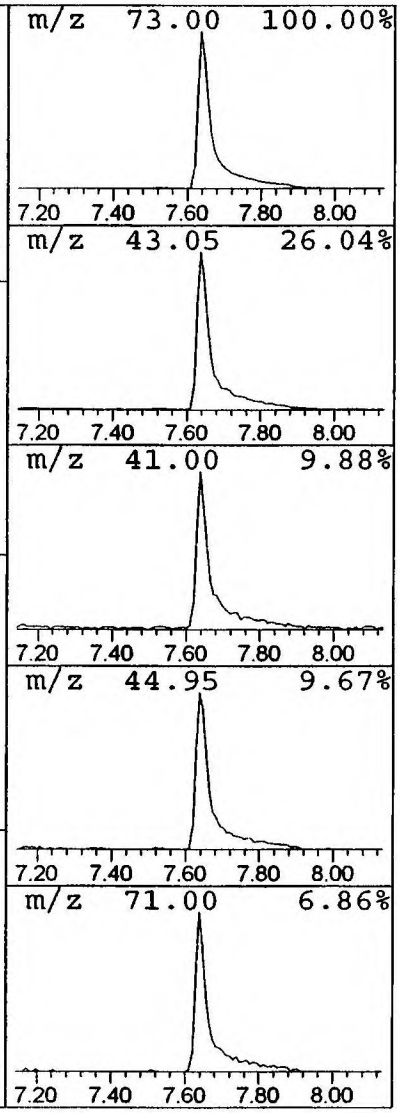
****

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	4.46 ug/l	1034800	1,4-Dichlorobenzene-d4	11.72

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	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9





Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 5 Dec 2001 7:28 pm
Data File: C:\HPCHEM\1\DATA\DEC0501\28161.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	4.5	ug/l	1034800	ISTD01	11.72	4644640	20.0

28161.D GCMS1126.M Thu Dec 06 08:35:43 2001