User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/08/2002 Time: 13:07:50

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

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		98		5.0

Comments for Sample AD28861 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-08-2002 Time: 13:10:55

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, and with a fit of 87 out of 100; 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. This sample was reanalyzed with a Surrogate Standard recovery of 98%. The sample is clean, showing no Decanedioic acid bis(2-Ethylhexyl) ester, which is due to contamination from GCMS pump oil. Also, the pH for this sample when received was below 2.

Quantitation Report (QT Reviewed)

Data File : M:\INSTRU~1\209\DATA\DEC2101\28861.D Vial: 18
Acq On : 23 Dec 2001 1:21 am Operator: 209 GALOS
Sample : gc/ms scan 12/17 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 29 10:56 2002 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Jan 25 15:57:52 2002
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	1080356	20.00	ug/l	-0.03
10) Naphthalene-d8	15.28	136	4144081	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.56	164	2094160	20.00	ug/l	-0.02
29) Phenanthrene-d10	24.98	188	3033179	20.00	ug/l	-0.01
38) Chrysene-d12	33.01	240	1866569	20.00	ug/l	-0.02
44) Perylene-d12	37.11	264	950124	20.00	ug/l	-0.01
System Monitoring Compounds						
37) 2,4-DDD	30.06	235	162751	4.88	ug/mL	-0.01
Spiked Amount 5.000			Recovery = 97.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.22	74	281	N.D.		
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
8) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	15.34	128	1100	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	0.00	163	0	N.D.		
21) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	21.23	165	214	N.D.		
25) Diethylphthalate	22.10	149	1223	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : M:\INSTRU~1\209\DATA\DEC2101\28861.D Vial: 18
Acq On : 23 Dec 2001 1:21 am Operator: 209 GALOS
Sample : gc/ms scan 12/17 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 29 10:56 2002 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Jan 25 15:57:52 2002
Response via : Initial Calibration
DataAcq Meth : GCMS1126

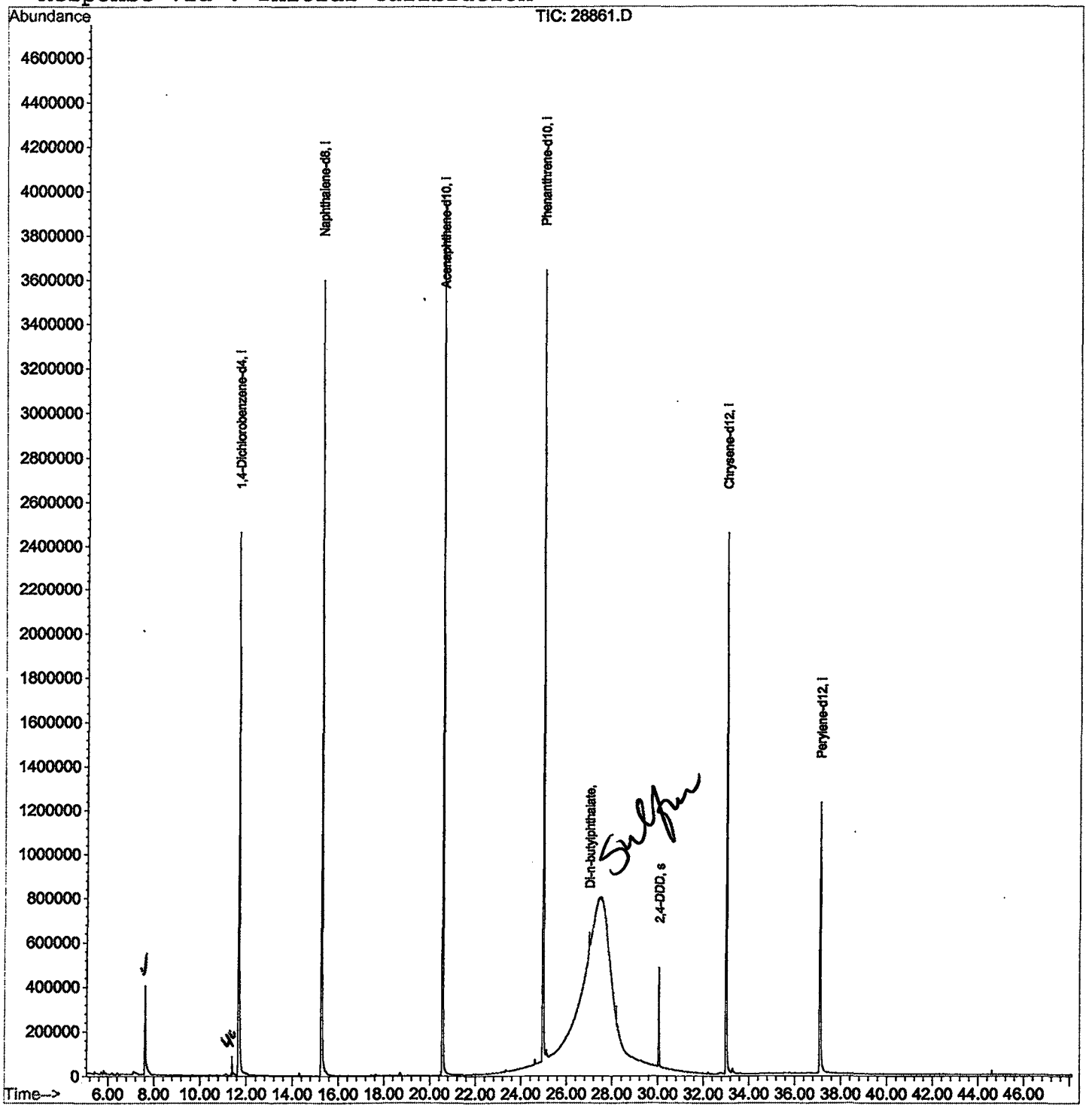
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	24.97	178	1593	N.D.	
34)	Anthracene	24.97	178	1593	N.D.	
35)	Di-n-butylphthalate	27.00	149	101505	0.47 ug/l	98
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	31.50	149	743	N.D.	
41)	Benzo(a)anthracene	33.01	228	4604	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.30	149	16166	N.D.	
43)	Chrysene	33.10	228	359	N.D.	
45)	Di-n-Octylphthalate	35.04	149	218	N.D.	
46)	Benzo(b)fluoranthene	36.17	252	190	N.D.	
47)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
48)	Benzo(a)pyrene	37.12	252	4964	N.D.	
49)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
50)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
51)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

Quantitation Report

Data File : M:\INSTRU~1\209\DATA\DEC2101\28861.D Vial: 18
Acq On : 23 Dec 2001 1:21 am Operator: 209 GALOS
Sample : gc/ms scan 12/17 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jan 29 10:56 2002 Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Jan 25 15:57:52 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : M:\INSTRU~1\209\DATA\DEC2101\28861.D Vial: 18
Acq On : 23 Dec 2001 1:21 am Operator: 209 GALOS
Sample : gc/ms scan 12/17 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

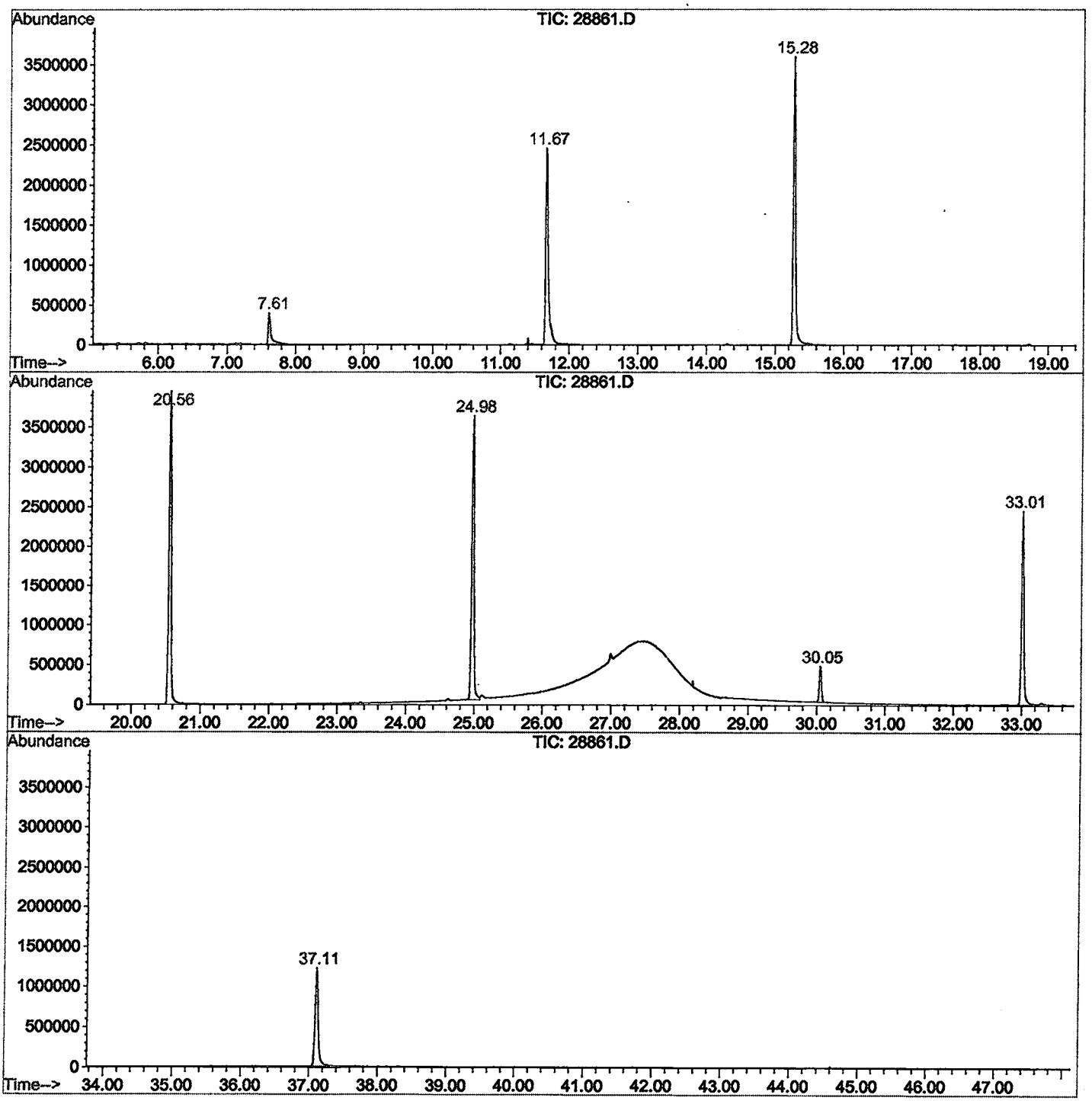
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.611	276	280	308	rBV	397995	1115174	12.52%	2.543%
2	11.669	717	722	747	rBV	2455696	6475697	72.70%	14.767%
3	15.277	1109	1115	1134	rBV	3596369	8186534	91.91%	18.668%
4	20.556	1683	1690	1707	rBV	3952919	8907018	100.00%	20.311%
5	24.980	2165	2172	2184	rBV2	3580543	8397468	94.28%	19.149%
6	30.048	2719	2724	2732	rVB	447587	982972	11.04%	2.242%
7	33.013	3040	3047	3063	rBV2	2445536	5923774	66.51%	13.508%
8	37.108	3485	3493	3516	rBV2	1220034	3863862	43.38%	8.811%

Sum of corrected areas: 43852499

28861.D GCMS1126.M Tue Jan 29 14:16:48 2002

LSC Report - Integrated Chromatogram

File : M:\INSTRU~1\209\DATA\DEC2101\28861.D
Operator : 209 GALOS
Acquired : 23 Dec 2001 1:21 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms scan 12/17
Misc Info :
Vial Number: 18
Quant File :GCMS1126.RES (RTE Integrator)



28861.D GCMS1126.M Tue Jan 29 14:16:54 2002

Library Search Compound Report

Data File : M:\INSTRU~1\209\DATA\DEC2101\28861.D Vial: 18
Acq On : 23 Dec 2001 1:21 am Operator: 209 GALOS
Sample : gc/ms scan 12/17 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

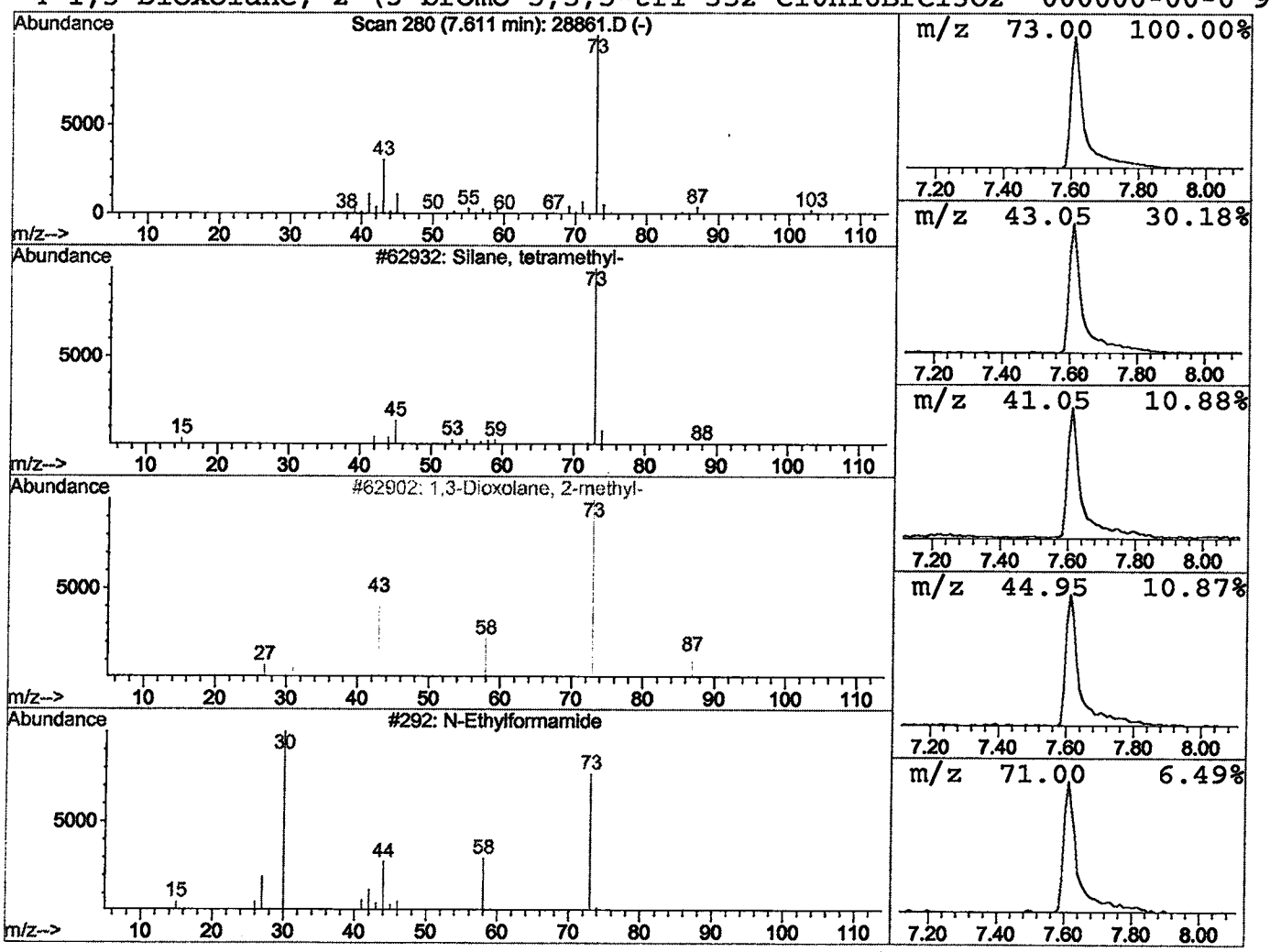
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	3.44 ug/l	1115170	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 23 Dec 2001 1:21 am
Data File: M:\INSTRU~1\209\DATA\DEC2101\28861.D
Name: gc/ms scan 12/17
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-~~	7.61	3.4	ug/l	1115170	ISTD01	11.67	6475700	20.0

28861.D GCMS1126.M Tue Jan 29 14:17:04 2002

Column leak