Email

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/10/2002 Time: 08:45:44

Sample: AE05517
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/10/02 08:45 Ended: 4/10/02 08:45 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		86		5.0

call 3/5/2 Desmarais 07153 / 43250

Comments for Sample AE05517 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-10-2002 Time: 08:46:49

The GCMS scan, from 35 to 550 amu, reveals the presence of Diethyltoluamide.
Its level is too low to estimate or obtain a fit.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR0102\5517.D Vial: 8
Acq On : 1 Apr 2002 7:11 pm Operator:
Sample : gc/ms scan 3/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 1 20:00 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 29 10:31:28 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.25	152	586823	20.00	ug/l	-0.11
10) Naphthalene-d8	15.89	136	2186315	20.00	ug/l	-0.11
17) Acenaphthene-d10	21.20	164	1233900	20.00	ug/l	-0.12
29) Phenanthrene-d10	25.64	188	1740358	20.00	ug/l	-0.13
38) Chrysene-d12	33.69	240	863272	20.00	ug/l	-0.15
44) Perylene-d12	37.94	264	473016	20.00	ug/l	-0.18
System Monitoring Compounds						
37) 2,4-DDD	30.71	235	75208	4.31	ug/mL	0.21
Spiked Amount 5.000			Recovery = 86.20%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	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	15.95	128	258	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	21.60	165	181	N.D.		
25) Diethylphthalate	22.67	149	804	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

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Misc : Multiplr: 1.00
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Quant Time: Apr 1 20:00 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
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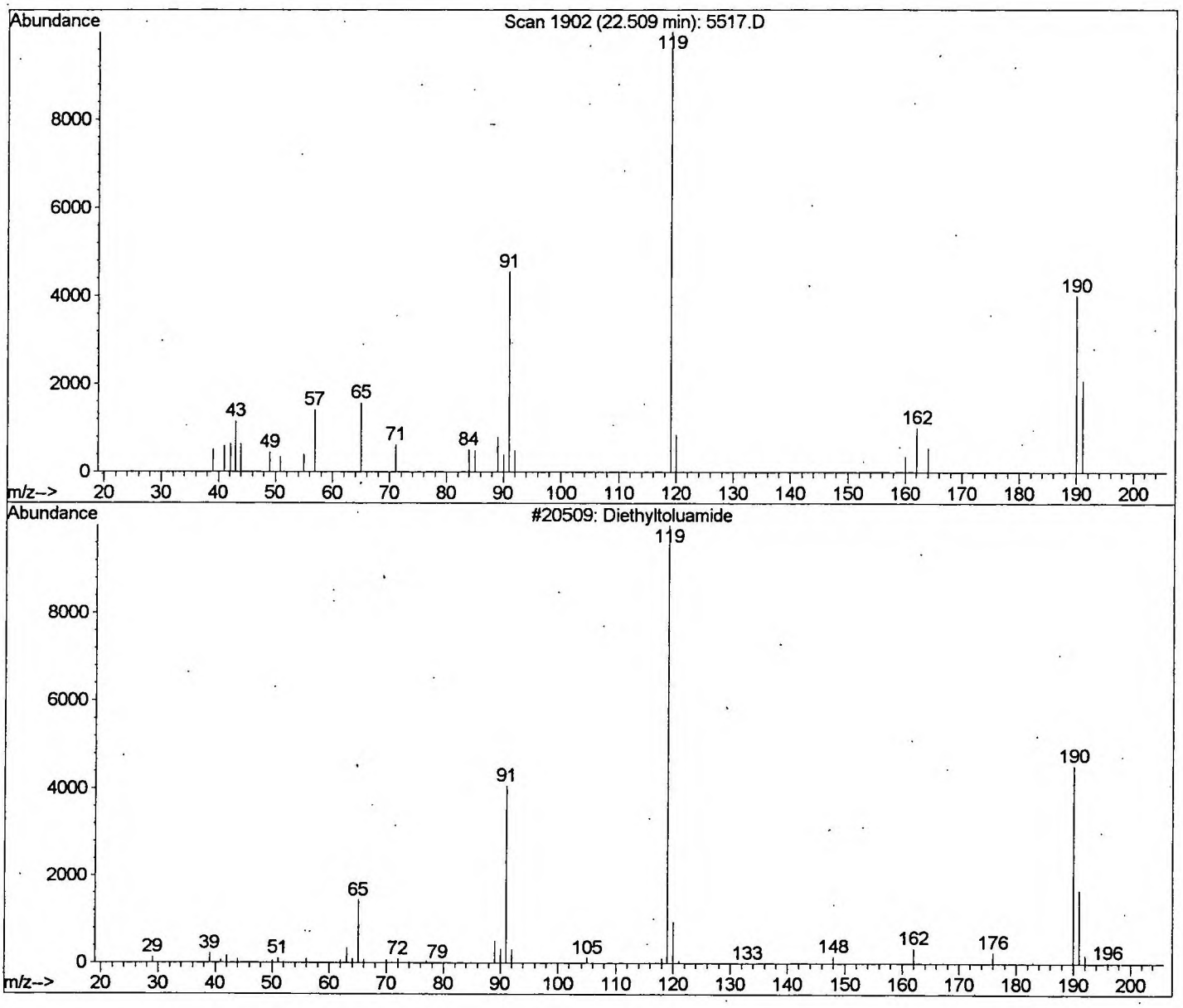
Response via : Initial Calibration
DataAcq Meth : GCMS0308

	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	25.63	178	551	N.D.	
34)	Anthracene	25.63	178	551	N.D.	
35)	Di-n-butylphthalate	27.60	149	7480	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	32.13	149	336	N.D.	
41)	Benzo(a)anthracene	33.70	228	2009	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.91	149	1957	N.D.	
43)	Chrysene	33.70	228	2009	N.D.	
45)	Di-n-Octylphthalate	35.65	149	109	N.D.	
46)	Benzo(b)fluoranthene	36.76	252	302	N.D.	
47)	Benzo(k)fluoranthene	36.81	252	358	N.D.	
48)	Benzo(a)pyrene	37.93	252	1723	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

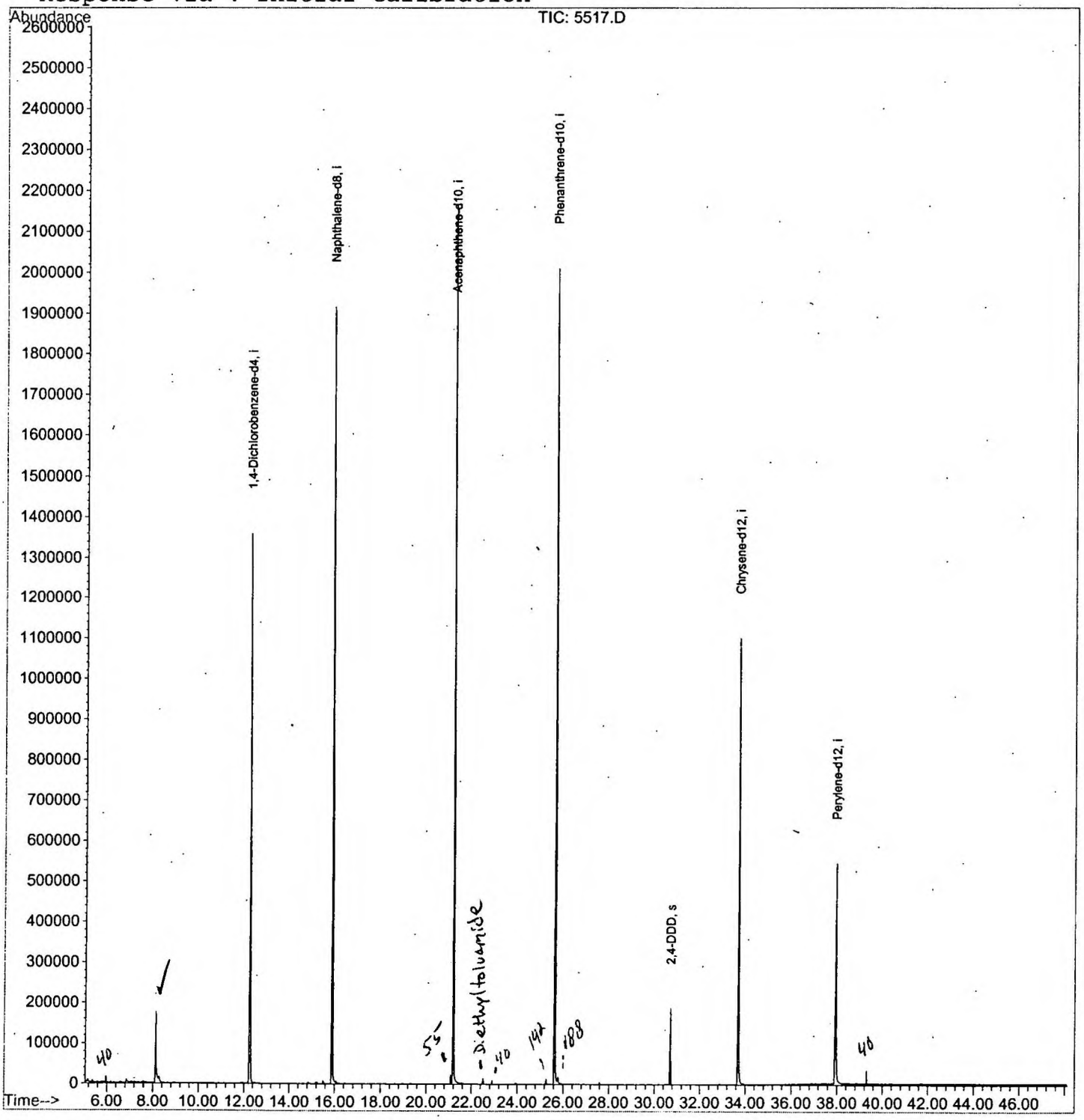
Library Searched : C:\DATABASE\nbs75k.l
Quality : 87
ID : Diethyltoluamide



Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0102\5517.D Vial: 8
Acq On : 1 Apr 2002 7:11 pm Operator:
Sample : gc/ms scan 3/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 1 20:00 2002 Quant Results File: GCMS0308.RES

Method : C:\HPCHEM\1\METHODS\GCMS0403.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Apr 04 09:06:35 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR0102\5517.D Vial: 8
Acq On : 1 Apr 2002 7:11 pm Operator:
Sample : gc/ms scan 3/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0403.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

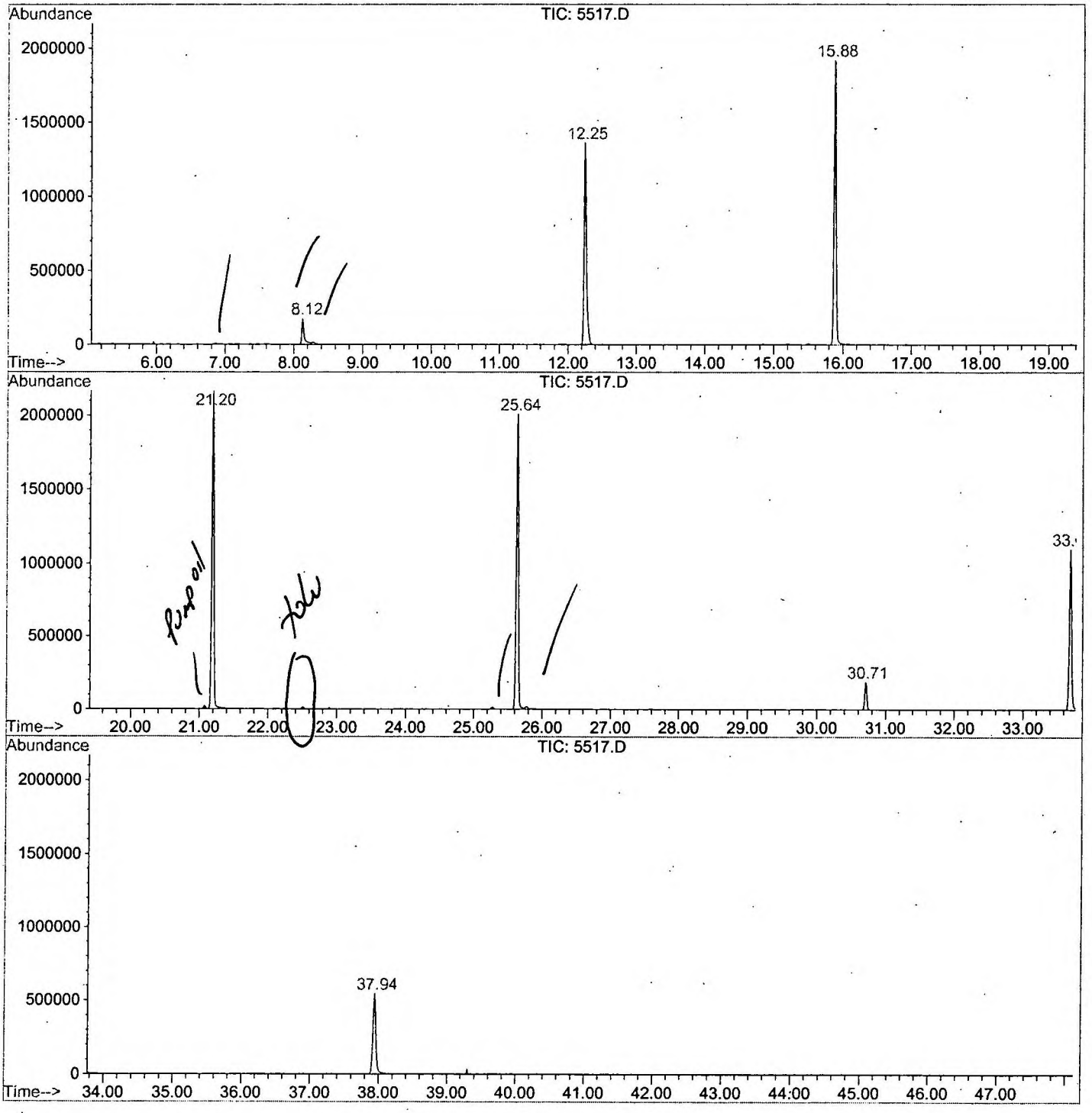
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.124	331	335	349	rBV	174138	427041	9.12%	2.005%
2	12.246	779	784	797	rBV	1356936	3169376	67.66%	14.879%
3	15.881	1174	1180	1197	rBV	1915905	4134545	88.26%	19.409%
4	21.197	1752	1759	1775	rBV	2167314	4684483	100.00%	21.991%
5	25.640	2236	2243	2253	rBV	2009453	4377210	93.44%	20.549%
6	30.707	2790	2795	2801	rBV	187619	367997	7.86%	1.728%
7	33.691	3113	3120	3141	rBV2	1101584	2514906	53.69%	11.806%
8	37.941	3575	3583	3604	rBV2	542733	1626153	34.71%	7.634%

Sum of corrected areas: 21301711

5517.D GCMS0403.M Thu Apr 04 13:54:43 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR0102\5517.D
Operator :
Acquired : 1 Apr 2002 7:11 pm using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/11
Misc Info :
Vial Number: 8
Quant File :GCMS0308.RES (RTE Integrator)



5517.D GCMS0403.M Thu Apr 04 13:54:49 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0102\5517.D
Acq On : 1 Apr 2002 7:11 pm
Sample : gc/ms scan 3/11
Misc :
MS Integration Params: LSCINT.P

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

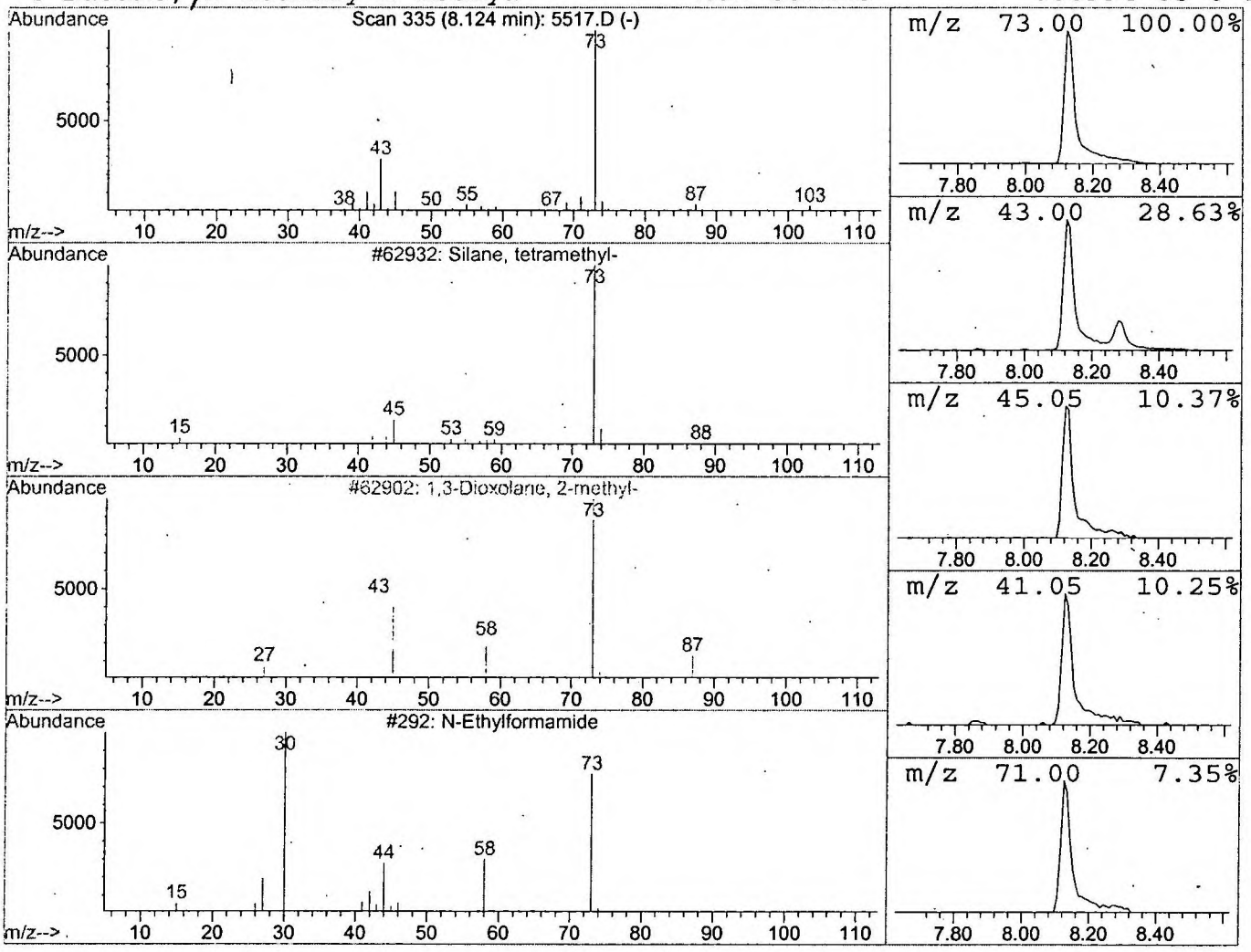
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	2.69 ug/l	427041	1,4-Dichlorobenzene-d4	12.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	43
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 1 Apr 2002 7:11 pm
Data File: C:\HPCHEM\1\DATA\APR0102\5517.D
Name: gc/ms scan 3/11
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0308.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-~~	8.12	2.7	ug/l	427041	ISTD01	12.25	3169380	20.0

5517.D GCMS0403.M Thu Apr 04 13:54:57 2002