User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/22/2002 Time: 09:00:31

Sample: AE01153
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/22/02 08:58 Ended: 3/22/02 08:58 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds				
2	Surr_2,4-DDD		89		5.0

DW 3/22/2 Dioxins

Comments for Sample AE01153 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-22-2002 Time: 09:02:52

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
This sample was extracted and analyzed twice with the LCS Standard having a high number of failures. However, both times the Surrogate Standard was acceptable.
The cost of the analysis for this sample will be discounted.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB1502\1153.D Vial: 7
Acq On : 15 Feb 2002 9:18 pm Operator: 209 GALOS
Sample : gc/ms scan 1/16 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 8 15:13 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.33	152	439846	20.00	ug/l	-0.02
10) Naphthalene-d8	15.97	136	1691126	20.00	ug/l	-0.02
17) Acenaphthene-d10	21.29	164	889512	20.00	ug/l	-0.02
29) Phenanthrene-d10	25.74	188	1265031	20.00	ug/l	-0.02
38) Chrysene-d12	33.80	240	901129	20.00	ug/l	-0.04
44) Perylene-d12	38.09	264	628497	20.00	ug/l	-0.03
System Monitoring Compounds						
37) 2,4-DDD	30.81	235	59031	4.47	ug/mL	0.31
Spiked Amount 5.000			Recovery =	89.40%		
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	16.02	128	1048	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	0.00	165	0	N.D.		
25) Diethylphthalate	22.76	149	329	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 : C:\HPCHEM\1\DATA\FEB1502\1153.D Vial: 7
Acq On : 15 Feb 2002 9:18 pm Operator: 209 GALOS
Sample : gc/ms scan 1/16 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 8 15:13 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

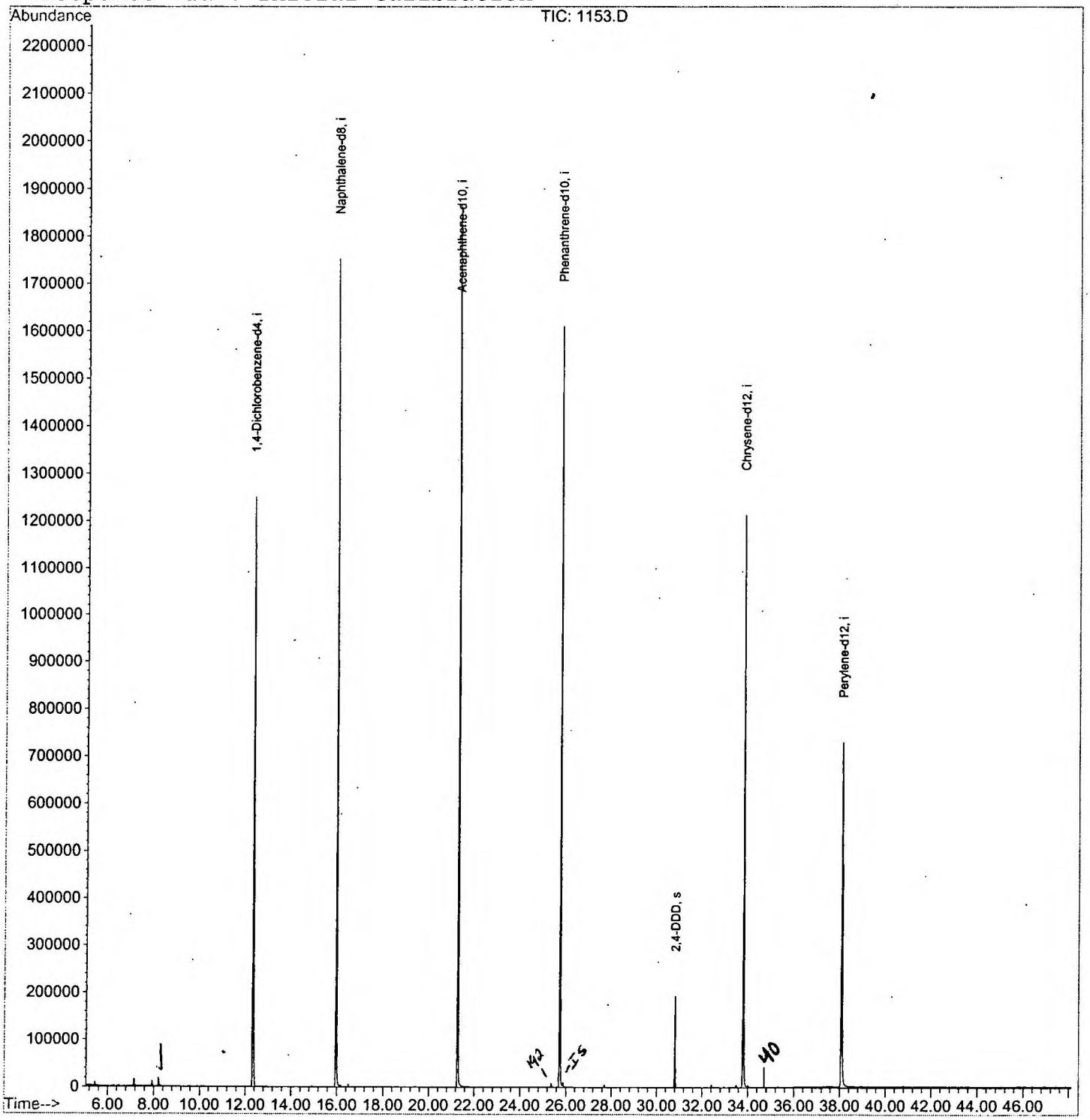
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	25.73	178	284	N.D.	
34)	Anthracene	25.73	178	284	N.D.	
35)	Di-n-butylphthalate	27.70	149	6843	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	33.80	228	2330	N.D.	
42)	Bis(2-ethylhexyl)phthalate	34.00	149	2873	N.D.	
43)	Chrysene	33.80	228	2330	N.D.	
45)	Di-n-Octylphthalate	0.00	149	0	N.D.	
46)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
48)	Benzo(a)pyrene	38.09	252	2725	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 : C:\HPCHEM\1\DATA\FEB1502\1153.D Vial: 7
Acq On : 15 Feb 2002 9:18 pm Operator: 209 GALOS
Sample : gc/ms scan 1/16 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 8 15:13 2002 Quant Results File: GCMS0208.RES

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\FEB1502\1153.D Vial: 7
Acq On : 15 Feb 2002 9:18 pm Operator: 209 GALOS
Sample : gc/ms scan 1/16 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0208.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

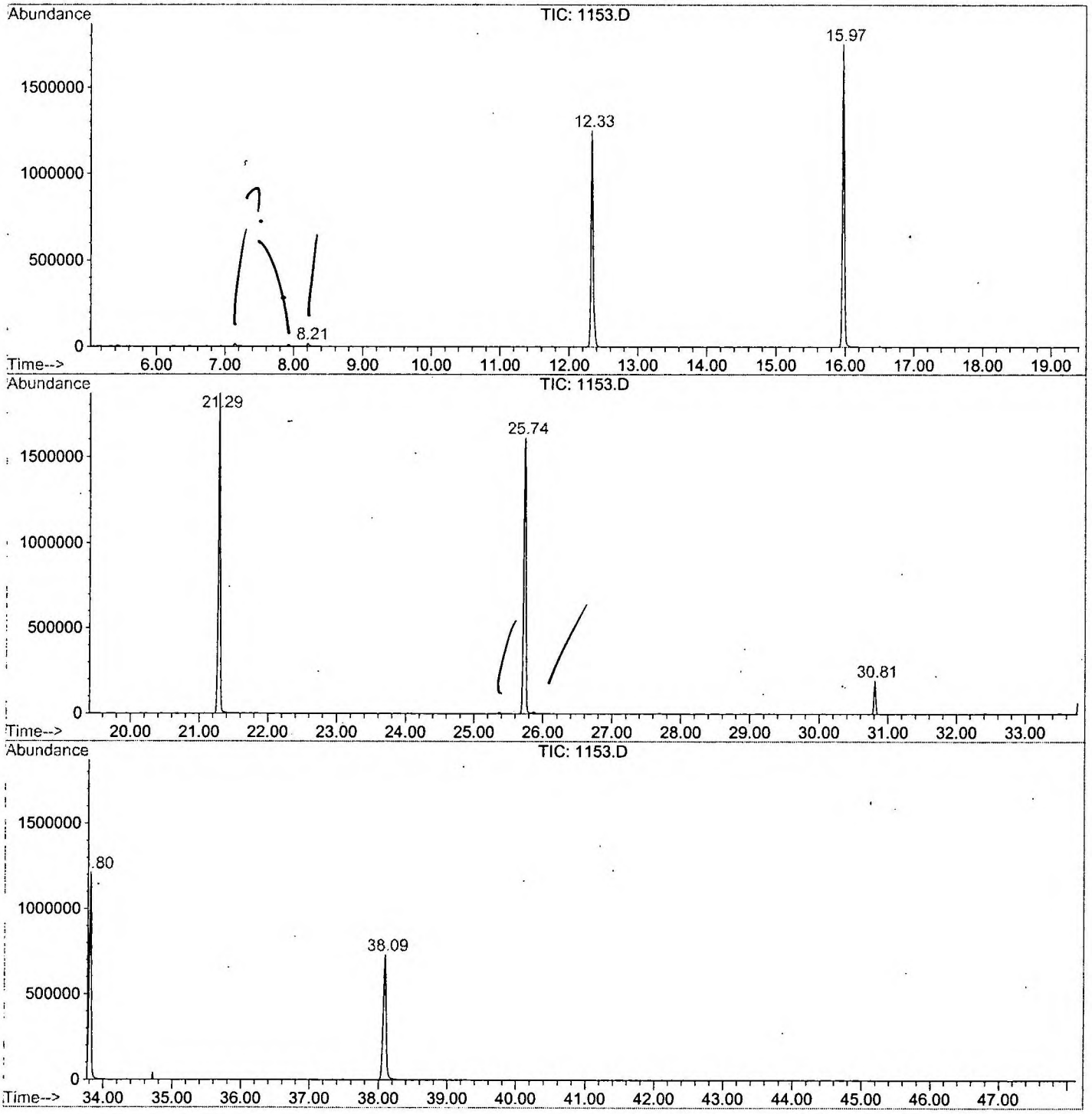
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.208	341	345	354	rBV	18183	43017	1.16%	0.228%
2	12.330	788	794	807	rBV	1249859	2791018	75.30%	14.823%
3	15.975	1184	1191	1208	rBV	1752442	3480073	93.89%	18.482%
4	21.290	1763	1770	1790	rBV	1868296	3706595	100.00%	19.685%
5	25.743	2247	2255	2266	rBV	1610409	3515463	94.84%	18.670%
6	30.810	2802	2807	2813	rVB	193515	359778	9.71%	1.911%
7	33.803	3126	3133	3150	rBV2	1212862	2753480	74.29%	14.623%
8	38.090	3590	3600	3620	rBV2	728994	2180042	58.82%	11.578%

Sum of corrected areas: 18829466

1153.D GCMS0208.M Fri Mar 08 15:15:53 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\FEB1502\1153.D
Operator : 209 GALOS
Acquired : 15 Feb 2002 9:18 pm using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: gc/ms scan 1/16
Misc Info :
Vial Number: 7
Quant File :GCMS0208.RES (RTE Integrator)



1153.D GCMS0208.M Fri Mar 08 15:15:59 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB1502\1153.D
Acq On : 15 Feb 2002 9:18 pm
Sample : gc/ms scan 1/16
Misc :
MS Integration Params: LSCINT.P

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

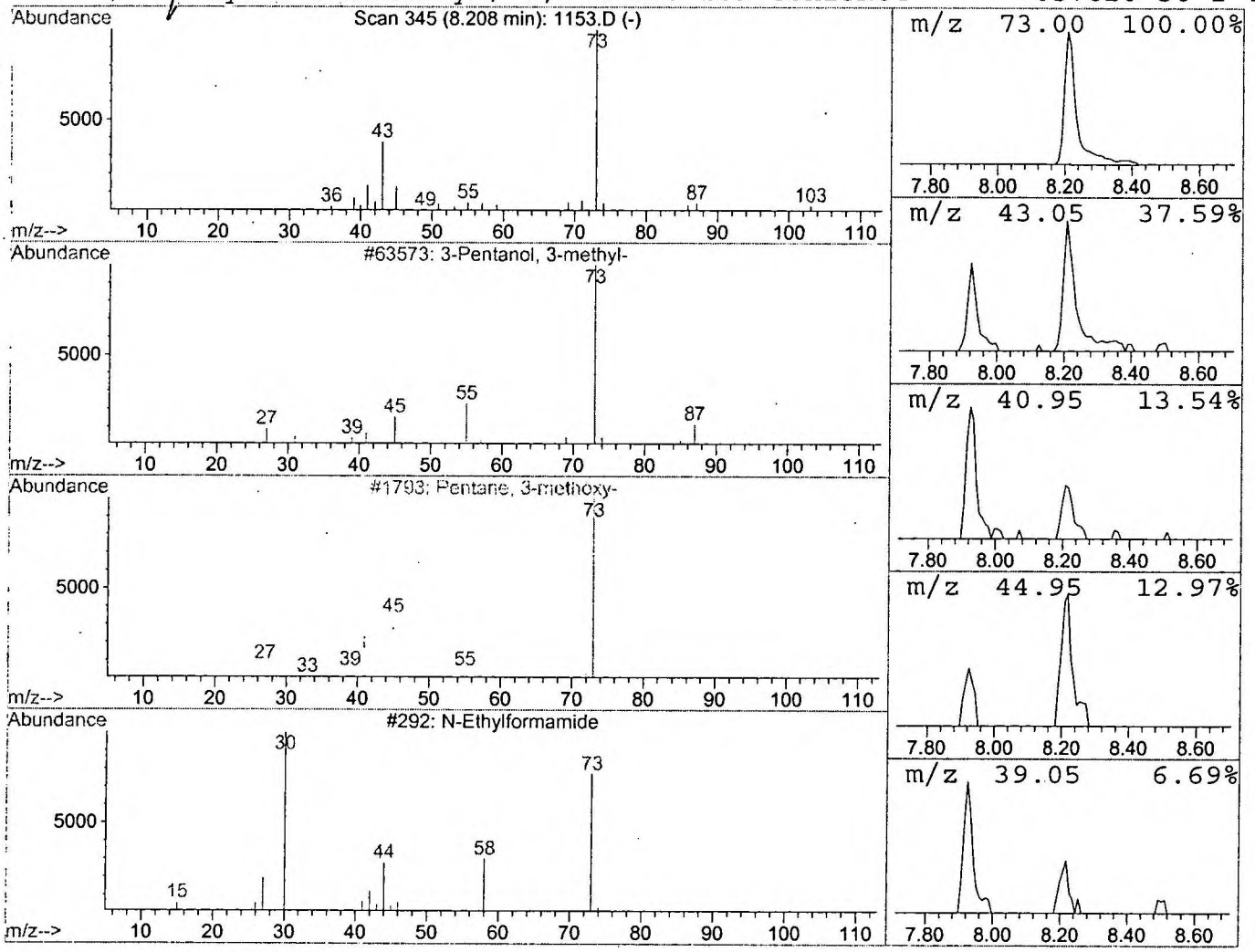
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Pentanol, 3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	0.31 ug/l	43017	1,4-Dichlorobenzene-d4	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	36
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
3	N-Ethylformamide	73	C3H7NO	000627-45-2	5
4	2-(3-Methyl-3-nitrobutyl)-1,3-dioxo	189	C8H15NO4	057620-56-1	4



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 15 Feb 2002 9:18 pm
Data File: C:\HPCHEM\1\DATA\FEB1502\1153.D
Name: gc/ms scan 1/16
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0208.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
~~3-Pentanol,~~ 3-methyl	8.21	0.3	ug/l	43017	ISTD01	12.33	2791020	20.0

1153.D GCMS0208.M Fri Mar 08 15:16:08 2002

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB2102\1153.D Vial: 66
Acq On : 24 Feb 2002 9:02 am Operator:
Sample : gc/ms scan 2/21 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 28 8:21 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.33	152	178713	20.00	ug/l	-0.02
10) Naphthalene-d8	15.97	136	677454	20.00	ug/l	-0.02
17) Acenaphthene-d10	21.28	164	344175	20.00	ug/l	-0.03
29) Phenanthrene-d10	25.73	188	484586	20.00	ug/l	-0.03
38) Chrysene-d12	33.80	240	337921	20.00	ug/l	-0.04
44) Perylene-d12	38.07	264	226559	20.00	ug/l	-0.05
System Monitoring Compounds						
37) 2,4-DDD	30.81	235	37258	7.36	ug/mL	0.31
Spiked Amount 5.000			Recovery = 147.20%			
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	0.00	128	0	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	0.00	165	0	N.D.		
25) Diethylphthalate	0.00	149	0	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 : C:\HPCHEM\1\DATA\FEB2102\1153.D Vial: 66
Acq On : 24 Feb 2002 9:02 am Operator:
Sample : gc/ms scan 2/21 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 28 8:21 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

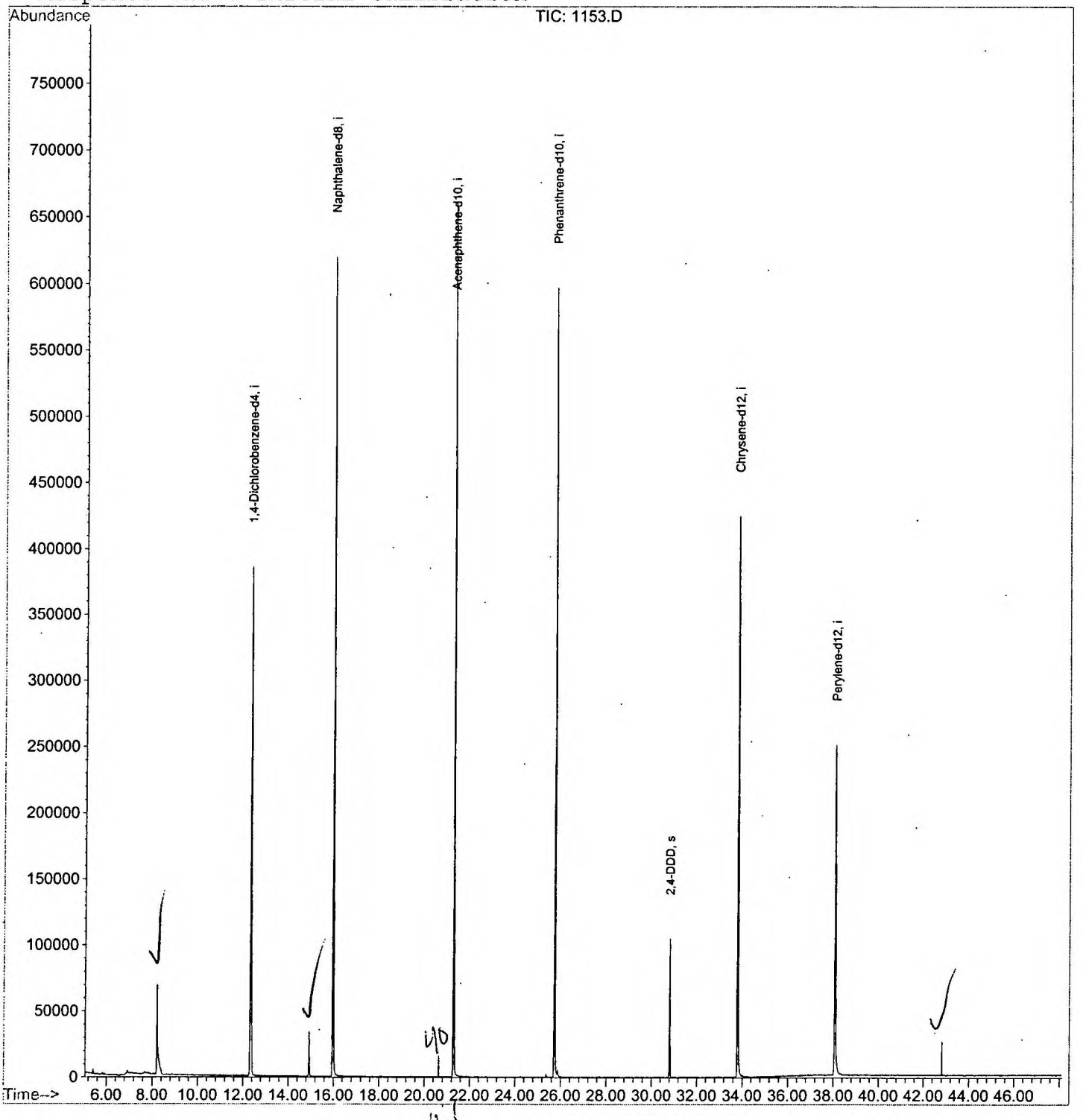
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	0.00	178	0	N.D.	
34)	Anthracene	0.00	178	0	N.D.	
35)	Di-n-butylphthalate	27.71	149	1427	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	33.79	228	644	N.D.	
42)	Bis(2-ethylhexyl)phthalate	34.00	149	547	N.D.	
43)	Chrysene	33.79	228	644	N.D.	
45)	Di-n-Octylphthalate	0.00	149	0	N.D.	
46)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
48)	Benzo(a)pyrene	38.07	252	735	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 : C:\HPCHEM\1\DATA\FEB2102\1153.D Vial: 66
Acq On : 24 Feb 2002 9:02 am Operator:
Sample : gc/ms scan 2/21 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 28 8:21 2002 Quant Results File: GCMS0208.RES

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\FEB2102\1153.D Vial: 66
Acq On : 24 Feb 2002 9:02 am Operator:
Sample : gc/ms scan 2/21 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0208.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

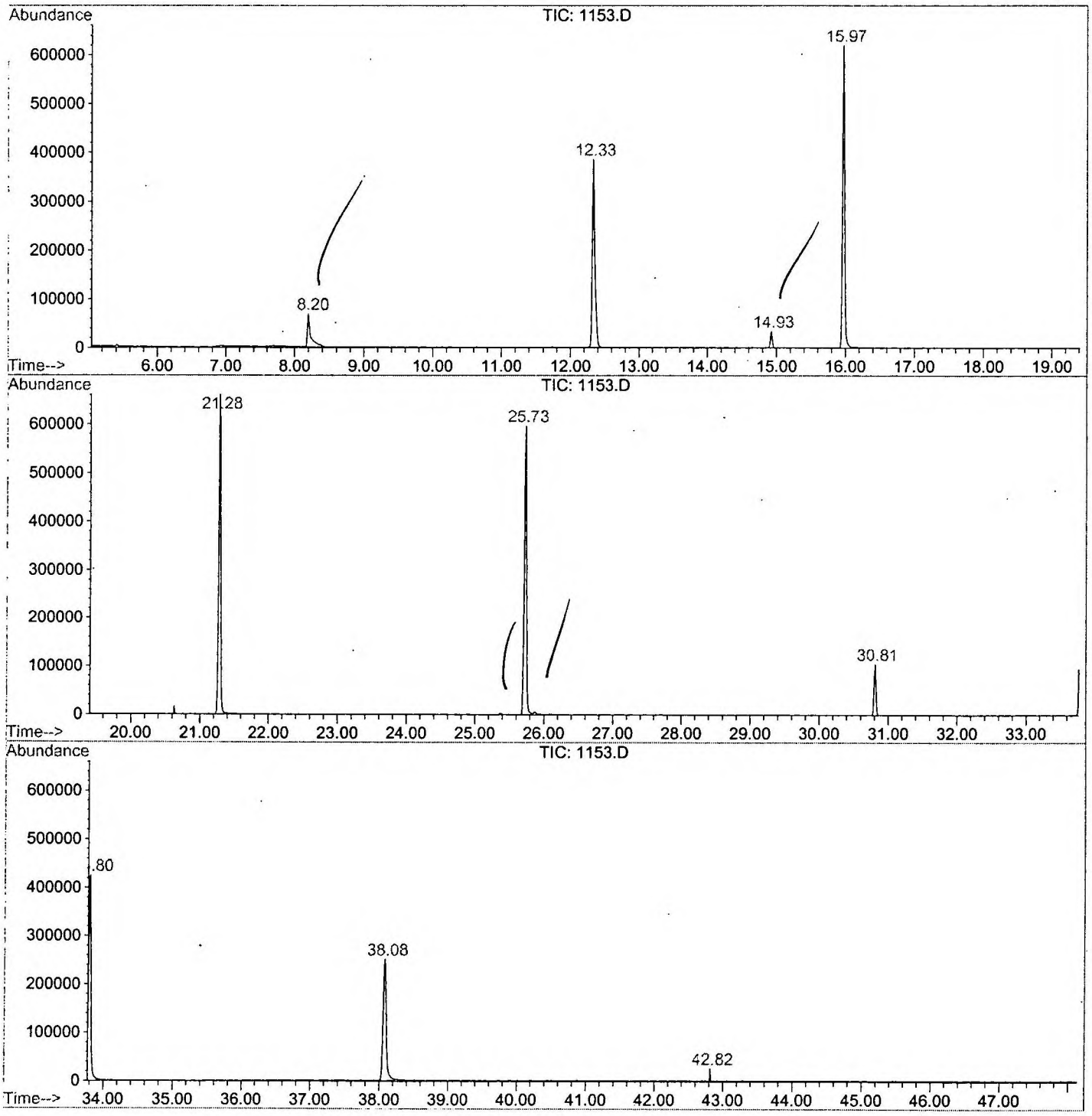
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.198	340	344	374	rVB	68306	233541	16.97%	3.165%
2	12.329	789	794	809	rVB	384811	1036360	75.29%	14.044%
3	14.927	1072	1077	1083	rVB	33747	66233	4.81%	0.898%
4	15.974	1185	1191	1204	rBV	619526	1328651	96.53%	18.005%
5	21.280	1763	1769	1778	rBV	661113	1376456	100.00%	18.652%
6	25.732	2247	2254	2266	rBV2	596866	1297437	94.26%	17.582%
7	30.809	2802	2807	2812	rBV	104939	195213	14.18%	2.645%
8	33.802	3126	3133	3152	rBV2	424709	1027803	74.67%	13.928%
9	38.080	3591	3599	3615	rBV2	250381	802751	58.32%	10.878%
10	42.817	4113	4115	4117	rBV	25743	15066	1.09%	0.204%

Sum of corrected areas: 7379511

1153.D GCMS0208.M Fri Mar 08 14:32:58 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\FEB2102\1153.D
Operator :
Acquired : 24 Feb 2002 9:02 am using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: gc/ms scan 2/21
Misc Info :
Vial Number: 66
Quant File :GCMS0208.RES (RTE Integrator)



1153.D GCMS0208.M Fri Mar 08 14:33:04 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB2102\1153.D Vial: 66
Acq On : 24 Feb 2002 9:02 am Operator:
Sample : gc/ms scan 2/21 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

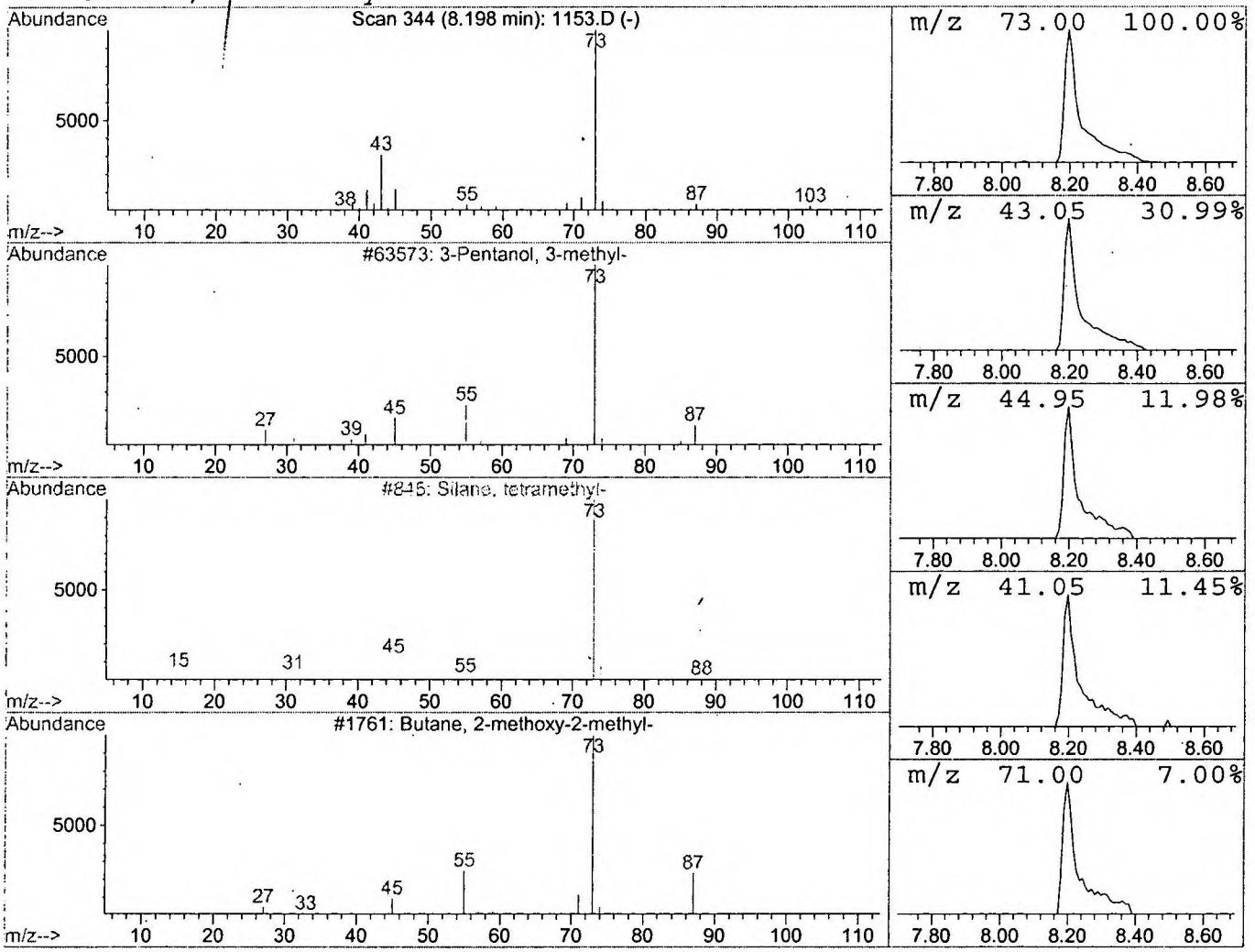
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Pentanol, 3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	4.51 ug/l	233541	1,4-Dichlorobenzene-d4	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	28
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	28
3	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB2102\1153.D Vial: 66
Acq On : 24 Feb 2002 9:02 am Operator:
Sample : gc/ms scan 2/21 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

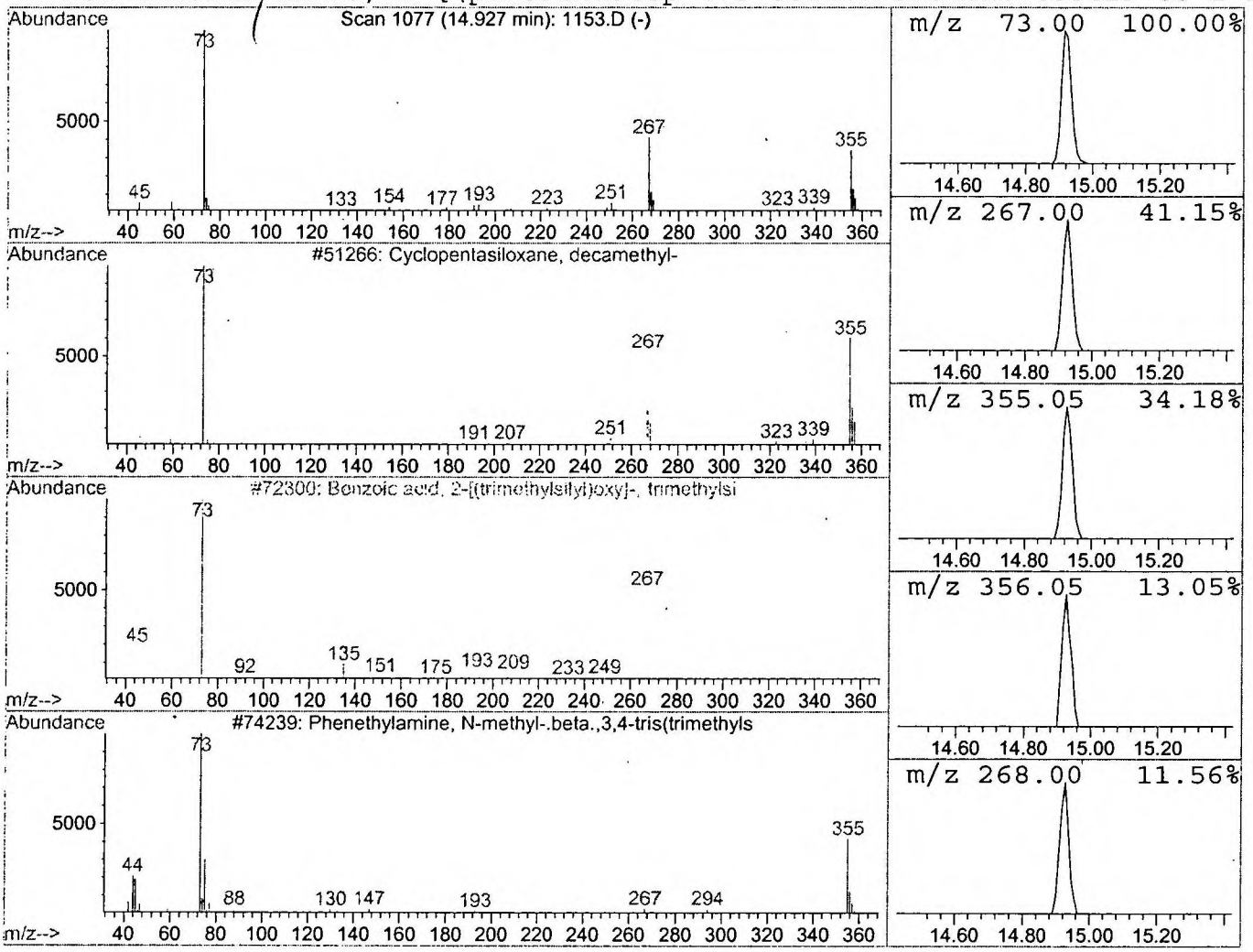
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclopentasiloxane, decamethyl Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	1.00 ug/l	66233	Naphthalene-d8	15.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	87
2	Benzoic acid, 2-[(trimethylsilyl)ox	282	C13H22O3Si2	003789-85-3	38
3	Phenethylamine, N-methyl-.beta.,3,4	399	C18H37NO3Si3	010538-85-9	32
4	Benzeneethanamine, N-[(pentafluorop	475	C21H26F5NO2Si2	055429-85-1	28



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB2102\1153.D Vial: 66
Acq On : 24 Feb 2002 9:02 am Operator:
Sample : gc/ms scan 2/21 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

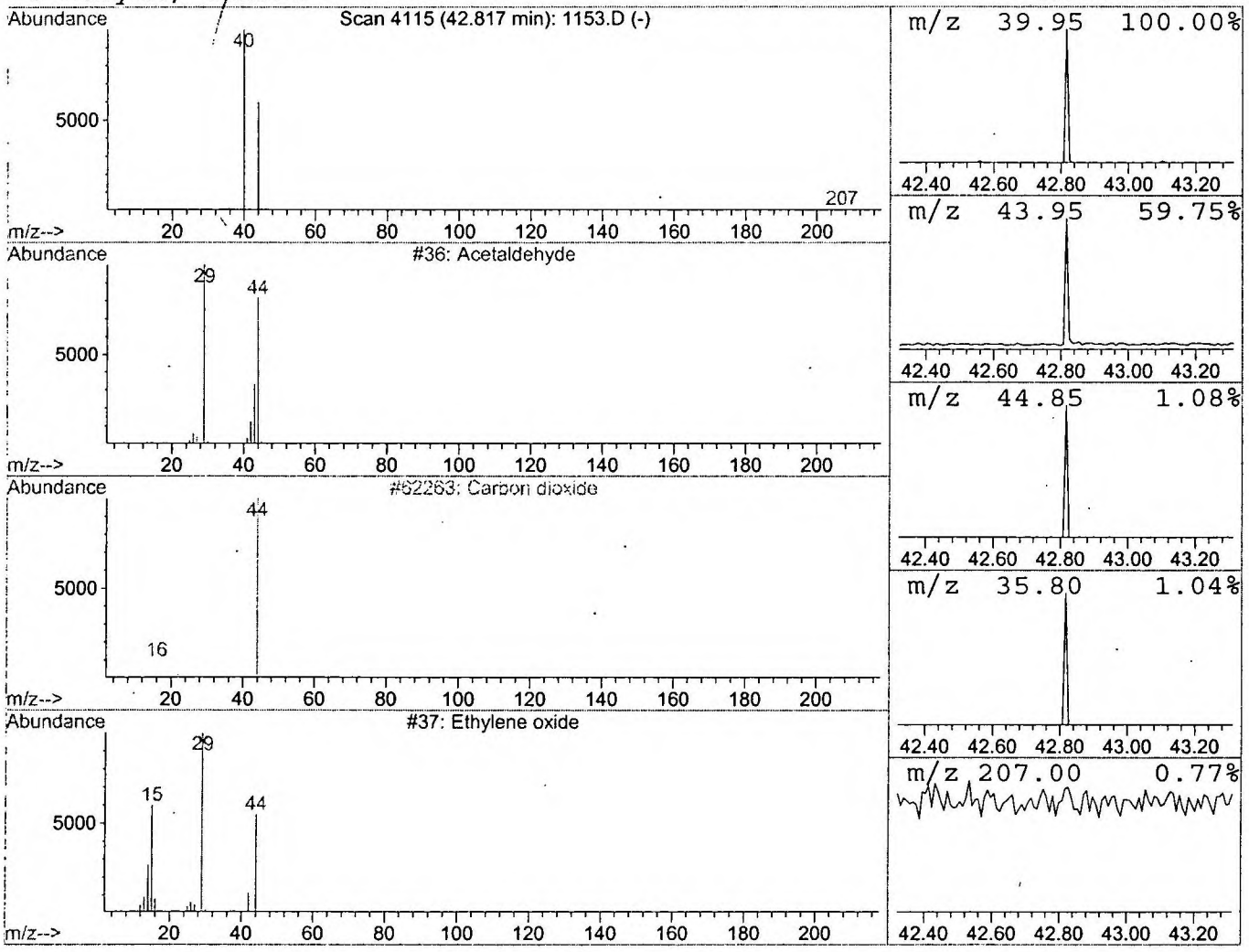
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Acetaldehyde Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
42.82	0.38 ug/l	15066	Perylene-d12	38.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	3
2	Carbon dioxide	44	CO2	000124-38-9	3
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Ethyne, fluoro-	44	C2HF	002713-09-9	3



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 24 Feb 2002 9:02 am
Data File: C:\HPCHEM\1\DATA\FEB2102\1153.D
Name: gc/ms scan 2/21
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0208.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
3-Pentanol, 3-methyl	8.20	4.5	ug/l	233541	ISTD01	12.33	1036360	20.0
Cyclopentasiloxane,	14.93	1.0	ug/l	66233	ISTD02	15.97	1328650	20.0
Acetaldehyde	42.82	0.4	ug/l	15066	ISTD06	38.07	802751	20.0

1153.D GCMS0208.M Fri Mar 08 14:33:23 2002