User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/25/2002 Time: 15:52:25

Sample: AD31254
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/25/02 15:51 Ended: 2/25/02 15:51 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		75		5.0

Comments for Sample AD31254 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-25-2002 Time: 15:52:37

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. This sample was extracted twice with Surrogate Standard recoveries of 73% and 75%. The LCS Standards for both extractions had an unusually high number of compounds with results below their acceptance ranges. This sample will receive an analysis cost discount.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN0802\31254.D Vial: 12
Acq On : 10 Jan 2002 12:31 am Operator: 209 GALOS
Sample : gcms scan 12/24 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 6 11:10 2002 Quant Results File: GCMS0103.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Dec 13 14:40:46 2001
Response via : Initial Calibration
DataAcq Meth : GCMS0103

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.53	152	824485	20.00	ug/l	0.00
10) Naphthalene-d8	15.13	136	3214195	20.00	ug/l	0.00
17) Acenaphthene-d10	20.39	164	1602640	20.00	ug/l	0.00
29) Phenanthrene-d10	24.80	188	2238440	20.00	ug/l	0.00
38) Chrysene-d12	32.84	240	1290681	20.00	ug/l	0.00
44) Perylene-d12	36.90	264	759683	20.00	ug/l	0.00
System Monitoring Compounds						
37) 2,4-DDD	29.89	235	95921	3.73	ug/mL	-0.18
Spiked Amount 5.000			Recovery = 74.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.14	74	465	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	15.18	128	1375	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.	d	
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	20.50	153	189	N.D.		
24) 2,4-Dinitrotoluene	20.65	165	686	N.D.		
25) Diethylphthalate	21.92	149	1346	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\JAN0802\31254.D Vial: 12
Acq On : 10 Jan 2002 12:31 am Operator: 209 GALOS
Sample : gcms scan 12/24 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 6 11:10 2002 Quant Results File: GCMS0103.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Dec 13 14:40:46 2001
Response via : Initial Calibration
DataAcq Meth : GCMS0103

	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	24.87	178	986	N.D.	
34)	Anthracene	24.87	178	986	N.D.	
35)	Di-n-butylphthalate	26.83	149	7501	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	32.84	228	3459	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.14	149	10412	N.D.	
43)	Chrysene	32.84	228	3459	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	36.90	252	3043	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.	

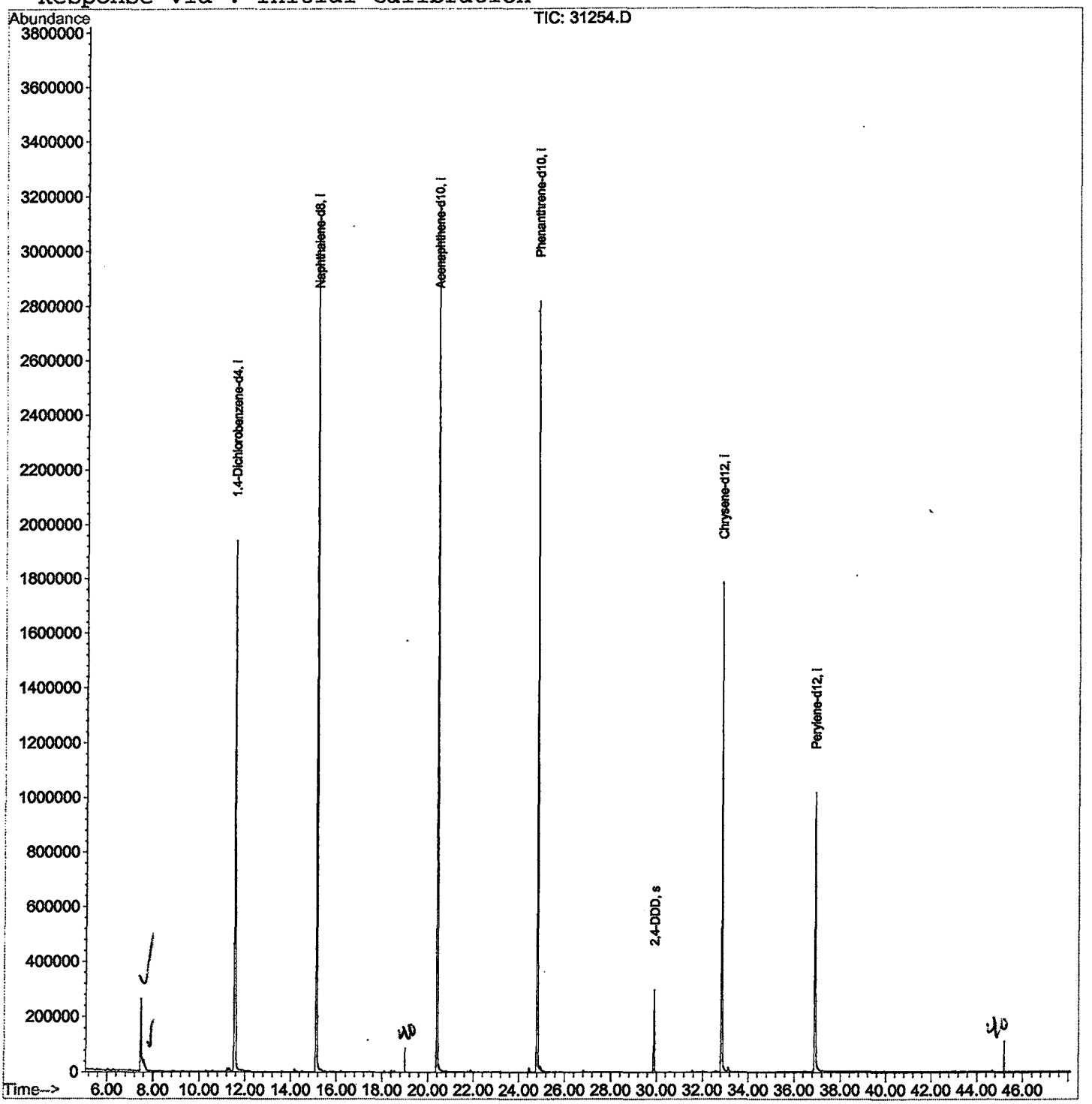
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\JAN0802\31254.D
Acq On : 10 Jan 2002 12:31 am
Sample : gcms scan 12/24
Misc :
MS Integration Params: GOOFY.P
Quant Time: Feb 6 11:10 2002

Vial: 12
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS0103.RES

Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Jan 07 10:31:02 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\JAN0802\31254.D Vial: 12
Acq On : 10 Jan 2002 12:31 am Operator: 209 GALOS
Sample : gcms scan 12/24 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0103.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

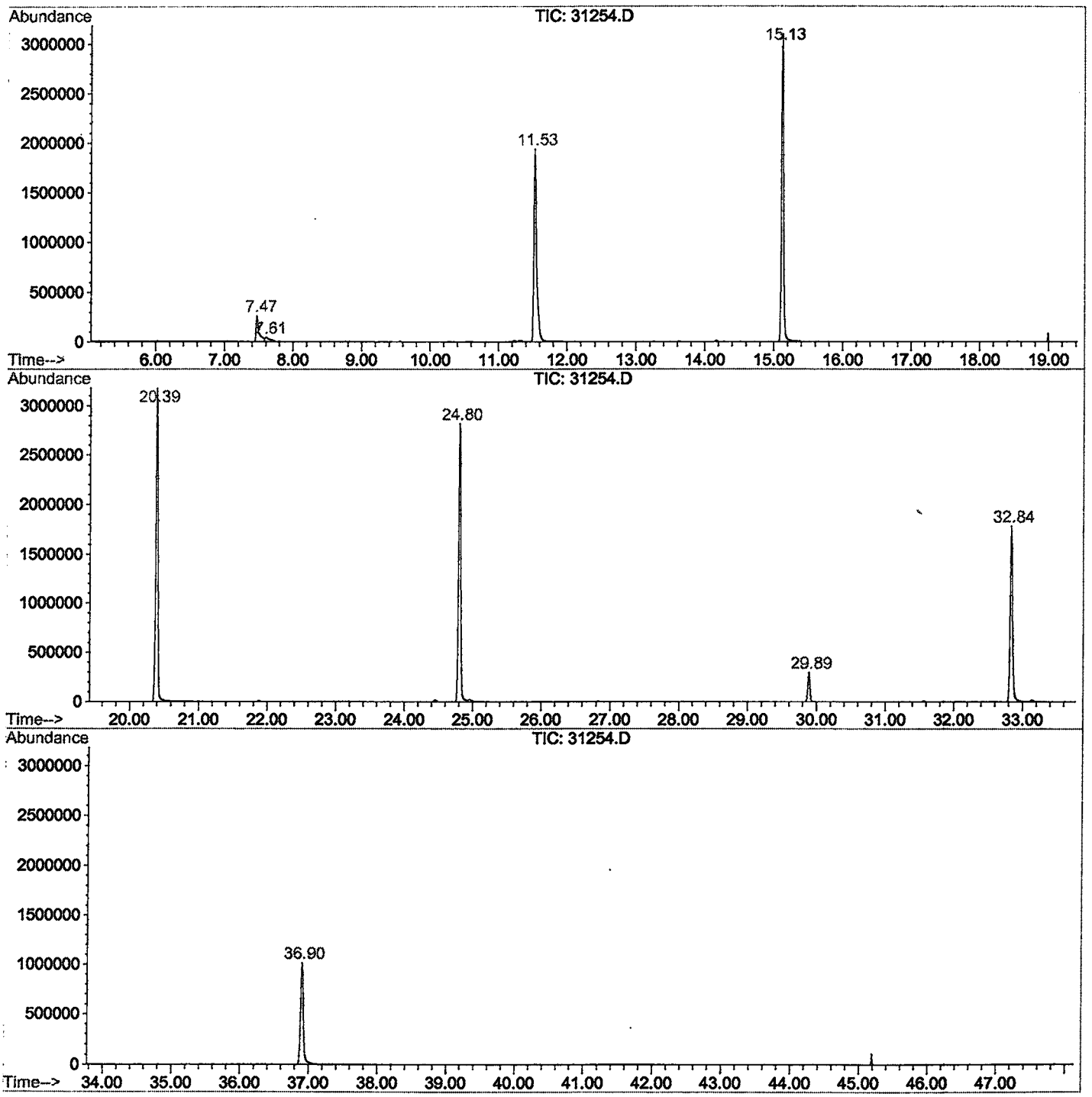
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.470	260	264	276	rBV	259484	734458	11.00%	2.208%
2	7.608	276	279	299	rVB2	41215	184783	2.77%	0.556%
3	11.528	701	706	731	rBV	1937632	5228479	78.28%	15.721%
4	15.126	1092	1098	1116	rBV	3097168	6573643	98.42%	19.766%
5	20.387	1665	1671	1684	rBV	3182180	6679119	100.00%	20.083%
6	24.802	2146	2152	2166	rBV2	2818694	6291124	94.19%	18.916%
7	29.888	2700	2706	2714	rBV	297220	599324	8.97%	1.802%
8	32.835	3021	3027	3044	rBV2	1783666	4146252	62.08%	12.467%
9	36.902	3463	3470	3488	rBV2	1013740	2820263	42.23%	8.480%

Sum of corrected areas: 33257445

31254.D GCMS0103.M Wed Feb 06 11:22:18 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\JAN0802\31254.D
Operator : 209 GALOS
Acquired : 10 Jan 2002 12:31 am using AcqMethod GCMS0103
Instrument : GC/MS 209
Sample Name: gcms scan 12/24
Misc Info :
Vial Number: 12
Quant File :GCMS0103.RES (RTE Integrator)



31254.D GCMS0103.M Wed Feb 06 11:22:24 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN0802\31254.D
Acq On : 10 Jan 2002 12:31 am
Sample : gcms scan 12/24
Misc :
MS Integration Params: LSCINT.P

Vial: 12
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

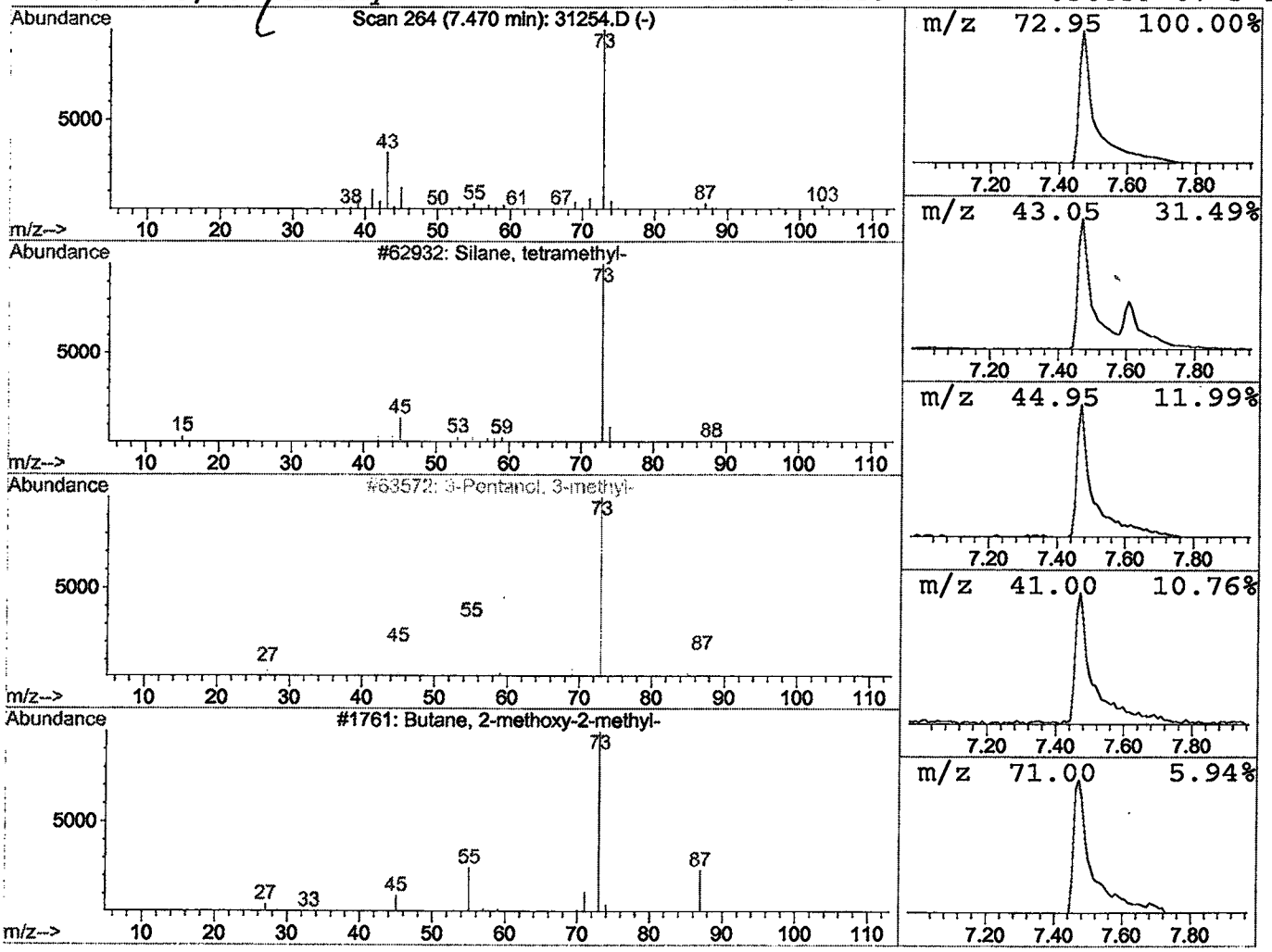
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	2.81 ug/l	734458	1,4-Dichlorobenzene-d4	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
2	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
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\JAN0802\31254.D
Acq On : 10 Jan 2002 12:31 am
Sample : gcms scan 12/24
Misc :
MS Integration Params: LSCINT.P

Vial: 12
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

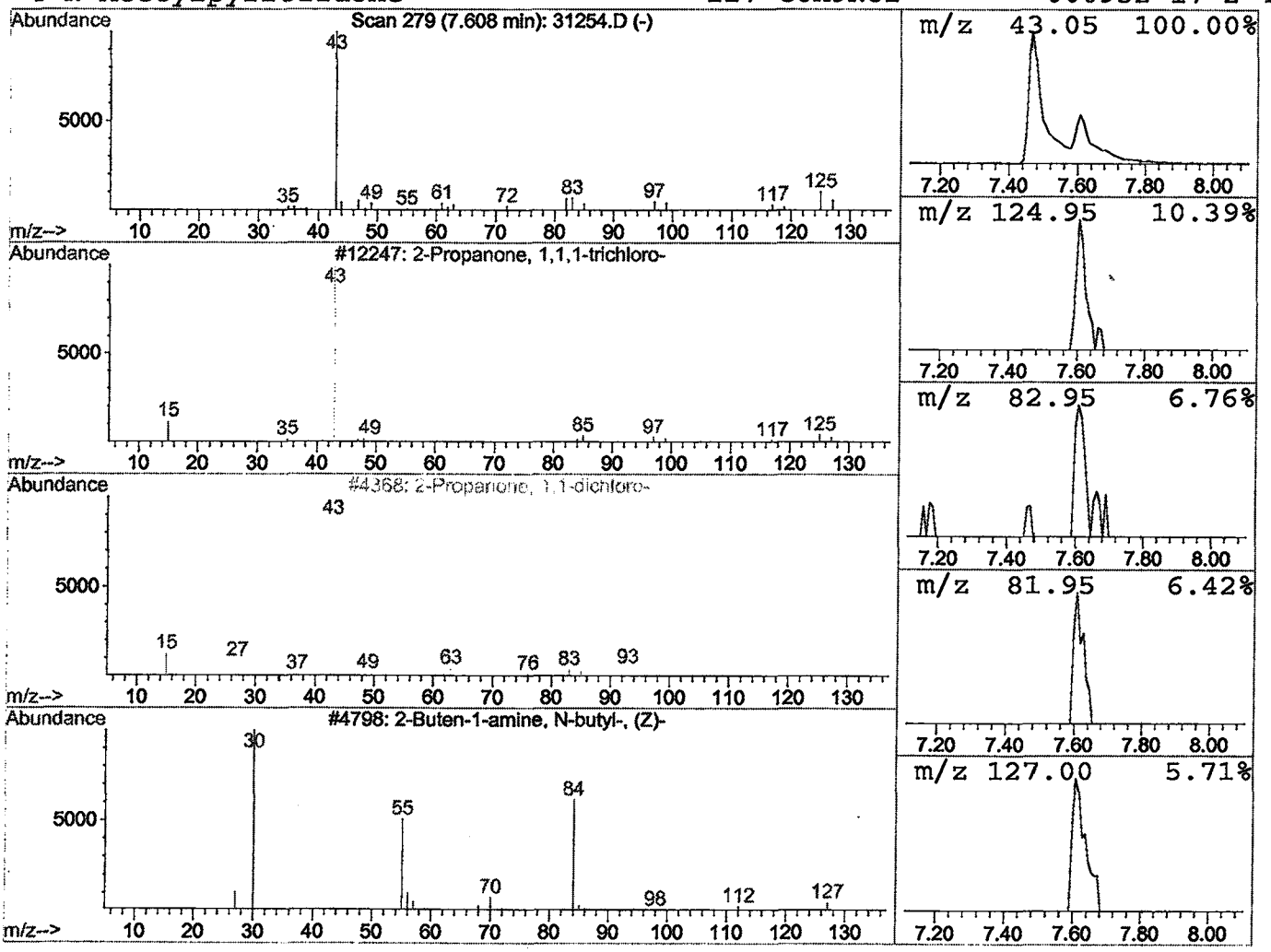
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Propanone, 1,1,1-trichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	0.71 ug/l	184783	1,4-Dichlorobenzene-d4	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	33
2	2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	9
3	2-Buten-1-amine, N-butyl-, (Z)-	127	C8H17N	062337-87-5	4
4	N-Acetylpyrrolidone	127	C6H9NO2	000932-17-2	4



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 10 Jan 2002 12:31 am
Data File: C:\HPCHEM\1\DATA\JAN0802\31254.D
Name: gcms scan 12/24
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0103.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-	7.47	2.8	ug/l	734458	ISTD01	11.53	5228480	20.0
2-Propanone, 1,1,1-t	7.61	0.7	ug/l	184783	ISTD01	11.53	5228480	20.0

31254.D GCMS0103.M Wed Feb 06 11:22:38 2002

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB1402\31254.D Vial: 30
Acq On : 15 Feb 2002 7:18 am Operator: 209 GALOS
Sample : GC/MS SCAN 2/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 15 12:05 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 13 11:43:23 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.34	152	333624	20.00	ug/l	0.00
10) Naphthalene-d8	15.99	136	1293725	20.00	ug/l	0.00
17) Acenaphthene-d10	21.30	164	687826	20.00	ug/l	0.00
29) Phenanthrene-d10	25.75	188	1006697	20.00	ug/l	-0.02
38) Chrysene-d12	33.82	240	671152	20.00	ug/l	-0.03
44) Perylene-d12	38.10	264	390084	20.00	ug/l	-0.02
System Monitoring Compounds						
37) 2,4-DDD	30.82	235	37135	3.67	ug/mL	0.33
Spiked Amount 5.000			Recovery = 73.40%			
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	16.03	128	841	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	22.78	149	645	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\FEB1402\31254.D Vial: 30
Acq On : 15 Feb 2002 7:18 am Operator: 209 GALOS
Sample : GC/MS SCAN 2/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 15 12:05 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 13 11:43:23 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	25.81	178	333	N.D.	
34)	Anthracene	25.81	178	333	N.D.	
35)	Di-n-butylphthalate	27.71	149	5707	N.D.	
36)	Fluoranthene	29.45	202	665	N.D.	
39)	Pyrene	30.13	202	792	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	33.83	228	2019	N.D.	
42)	Bis(2-ethylhexyl)phthalate	34.02	149	497	N.D.	
43)	Chrysene	33.88	228	470	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	38.10	252	1497	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.	

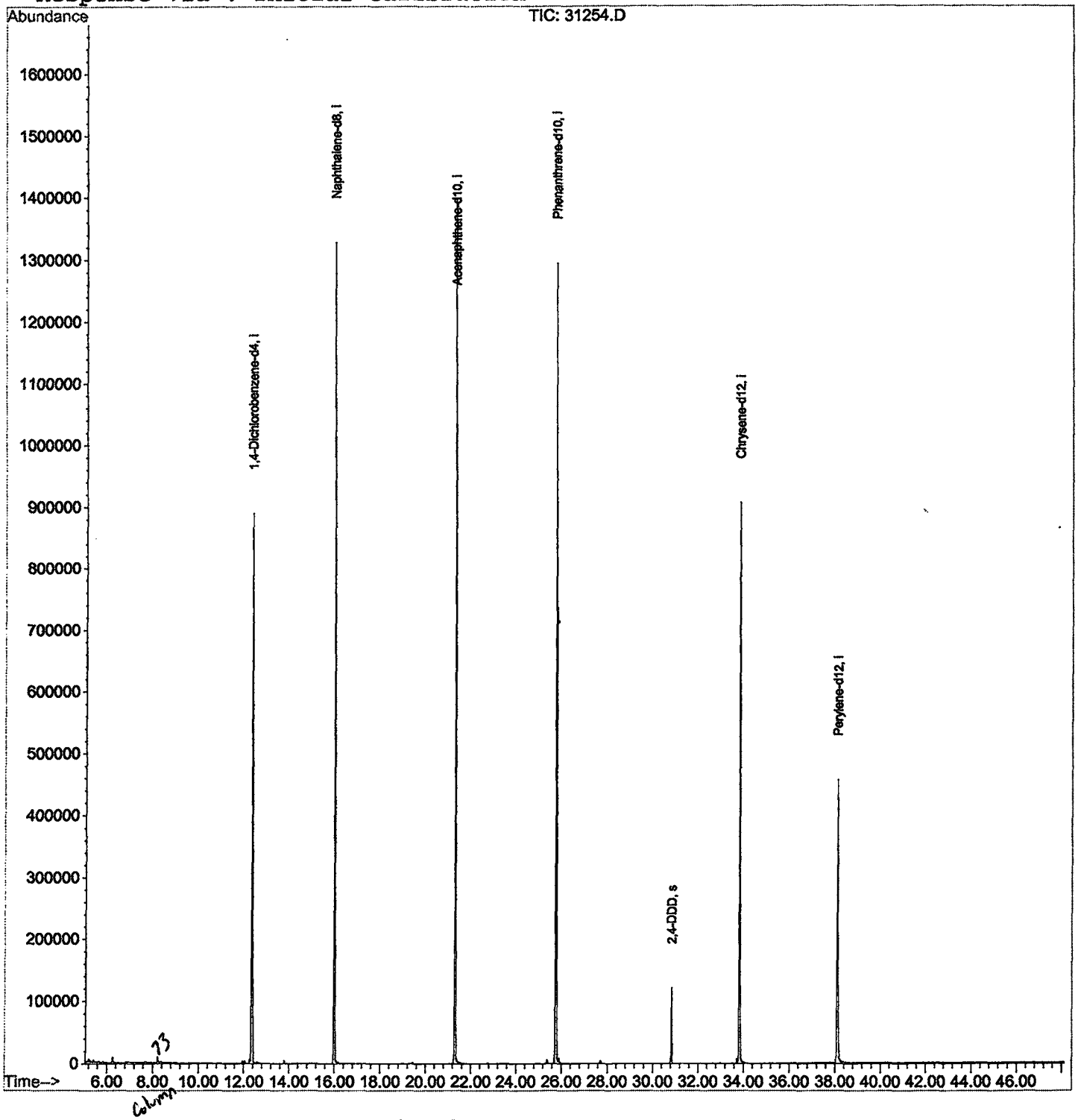
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB1402\31254.D
Acq On : 15 Feb 2002 7:18 am
Sample : GC/MS SCAN 2/11
Misc :
MS Integration Params: GOOFY.P
Quant Time: Feb 15 12:05 2002

Vial: 30
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS0208.RES

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 13 11:43:23 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\FEB1402\31254.D Vial: 30
Acq On : 15 Feb 2002 7:18 am Operator: 209 GALOS
Sample : GC/MS SCAN 2/11 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

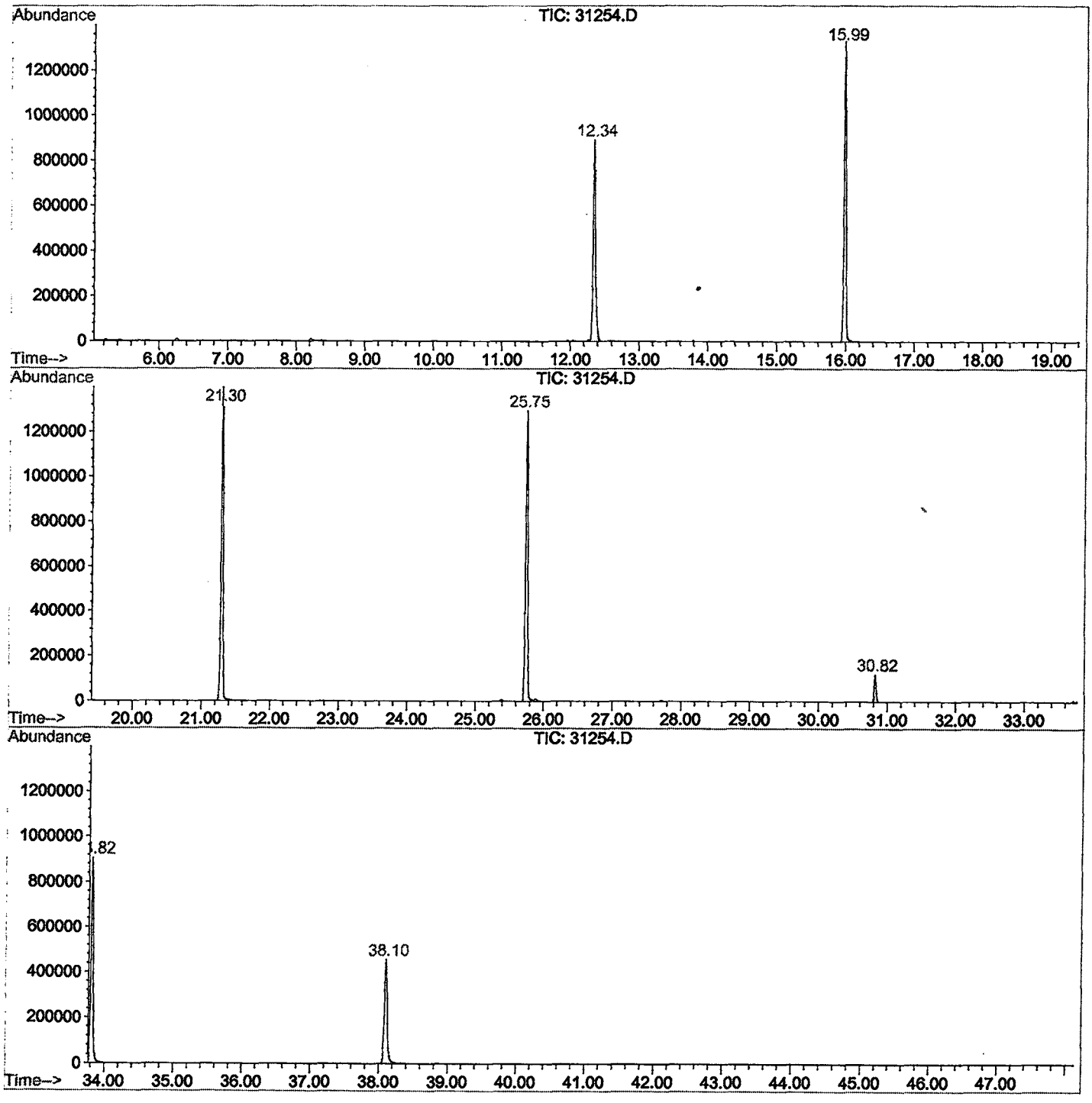
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	12.344	789	795	811	rVB	889752	2147900	75.31%	15.231%
2	15.989	1185	1192	1203	rBV	1328015	2691171	94.35%	19.084%
3	21.304	1764	1771	1785	rBV	1398684	2852180	100.00%	20.226%
4	25.748	2248	2255	2266	rBV	1294495	2800986	98.21%	19.863%
5	30.824	2803	2808	2813	rBV	121335	224785	7.88%	1.594%
6	33.817	3127	3134	3154	rBV2	906211	2040643	71.55%	14.471%
7	38.104	3592	3601	3618	rBV2	455566	1344142	47.13%	9.532%

Sum of corrected areas: 14101807

31254.D GCMS0208.M Fri Feb 15 14:03:24 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\FEB1402\31254.D
Operator : 209 GALOS
Acquired : 15 Feb 2002 7:18 am using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: GC/MS SCAN 2/11
Misc Info :
Vial Number: 30
Quant File :GCMS0208.RES (RTE Integrator)



31254.D GCMS0208.M Fri Feb 15 14:03:29 2002

Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 15 Feb 2002 7:18 am
Data File: C:\HPCHEM\1\DATA\FEB1402\31254.D
Name: GC/MS SCAN 2/11
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

31254.D GCMS0208.M Fri Feb 15 14:03:33 2002