User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/28/2002 Time: 08:29:19

Sample: AD31591
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/28/02 08:28 Ended: 2/28/02 08:28 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds				
2	Surr: 2,4-DDD	IUSPEC	135		5.0

Comments for Sample AD31591 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-28-2002 Time: 08:29:23

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compolunds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB2102\31591.D Vial: 38
Acq On : 23 Feb 2002 3:36 am Operator:
Sample : gc/ms scan 2/21 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 27 11:45 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	12.34	152	271838	20.00	ug/l	-0.02
10) Naphthalene-d8	15.97	136	1047957	20.00	ug/l	-0.03
17) Acenaphthene-d10	21.29	164	546246	20.00	ug/l	-0.03
29) Phenanthrene-d10	25.74	188	769162	20.00	ug/l	-0.03
38) Chrysene-d12	33.81	240	511607	20.00	ug/l	-0.04
44) Perylene-d12	38.09	264	346947	20.00	ug/l	-0.04
System Monitoring Compounds						
37) 2,4-DDD	30.82	235	54110	6.74	ug/mL	0.32
Spiked Amount 5.000			Recovery = 134.80%			
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	21.37	153	186	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	22.76	149	850	N.D.		
26) 4-Chlorophenyl-phenylether	22.92	204	225	N.D.		
27) Fluorene	22.90	166	408	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\31591.D Vial: 38
Acq On : 23 Feb 2002 3:36 am Operator:
Sample : gc/ms scan 2/21 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 27 11:45 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	24.40	248	225	N.D.	
32)	Hexachlorobenzene	24.83	284	333	N.D.	
33)	Phenanthrene	25.80	178	2632	N.D.	
34)	Anthracene	25.92	178	1034	N.D.	
35)	Di-n-butylphthalate	27.69	149	2726	N.D.	
36)	Fluoranthene	29.44	202	1623	N.D.	
39)	Pyrene	30.11	202	1992	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	33.81	228	1309	N.D.	
42)	Bis(2-ethylhexyl)phthalate	34.01	149	6401	N.D.	
43)	Chrysene	33.81	228	1309	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	1391	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.	

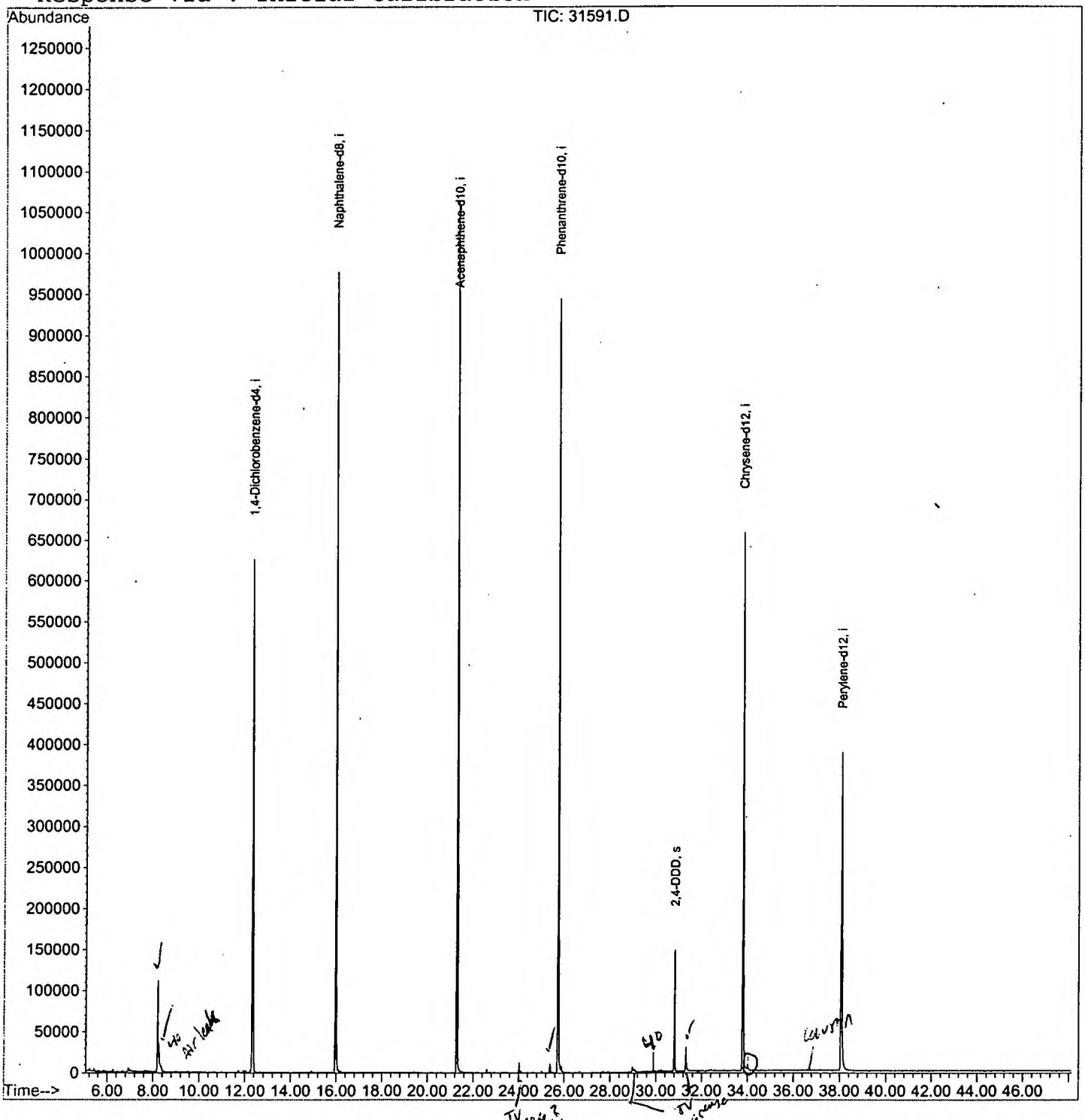
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB2102\31591.D
Acq On : 23 Feb 2002 3:36 am
Sample : gc/ms scan 2/21
Misc :
MS Integration Params: GOOFY.P
Quant Time: Feb 27 11:45 2002

Vial: 38
Operator:
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 27 11:30:15 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\FEB2102\31591.D Vial: 38
Acq On : 23 Feb 2002 3:36 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

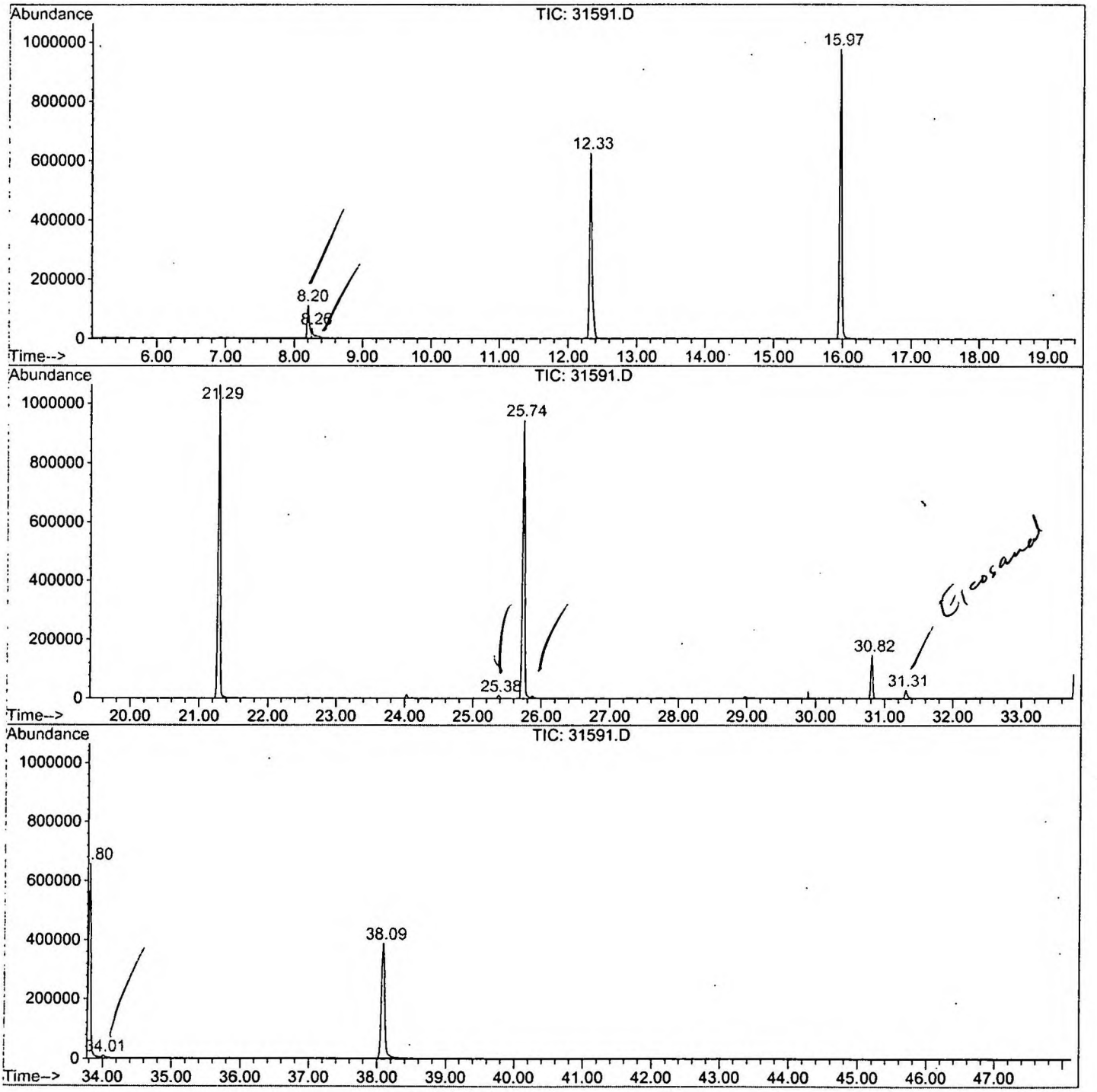
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.204	339	344	349	rBV	111155	247537	11.28%	2.171%
2	8.259	349	350	358	rVB	28311	37019	1.69%	0.325%
3	12.326	788	793	807	rVB	625467	1572499	71.67%	13.793%
4	15.971	1184	1190	1202	rBV	976358	2054413	93.64%	18.020%
5	21.286	1763	1769	1785	rBV	1063409	2194037	100.00%	19.244%
6	25.380	2210	2215	2220	rVB2	11454	24610	1.12%	0.216%
7	25.738	2247	2254	2265	rBV2	944194	2067723	94.24%	18.136%
8	30.815	2801	2807	2813	rBV	147099	294562	13.43%	2.584%
9	31.311	2855	2861	2871	rBV	29395	72526	3.31%	0.636%
10	33.799	3126	3132	3151	rBV2	656389	1577818	71.91%	13.839%
11	34.010	3151	3155	3168	rVB2	8881	30358	1.38%	0.266%
12	38.086	3590	3599	3617	rBV2	386829	1227928	55.97%	10.770%

Sum of corrected areas: 11401030

31591.D GCMS0208.M Wed Feb 27 12:05:48 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\FEB2102\31591.D
Operator :
Acquired : 23 Feb 2002 3:36 am using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: gc/ms scan 2/21
Misc Info :
Vial Number: 38
Quant File :GCMS0208.RES (RTE Integrator)



31591.D GCMS0208.M Wed Feb 27 12:05:54 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB2102\31591.D Vial: 38
Acq On : 23 Feb 2002 3:36 am Operator:
Sample : gc/ms scan 2/21 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

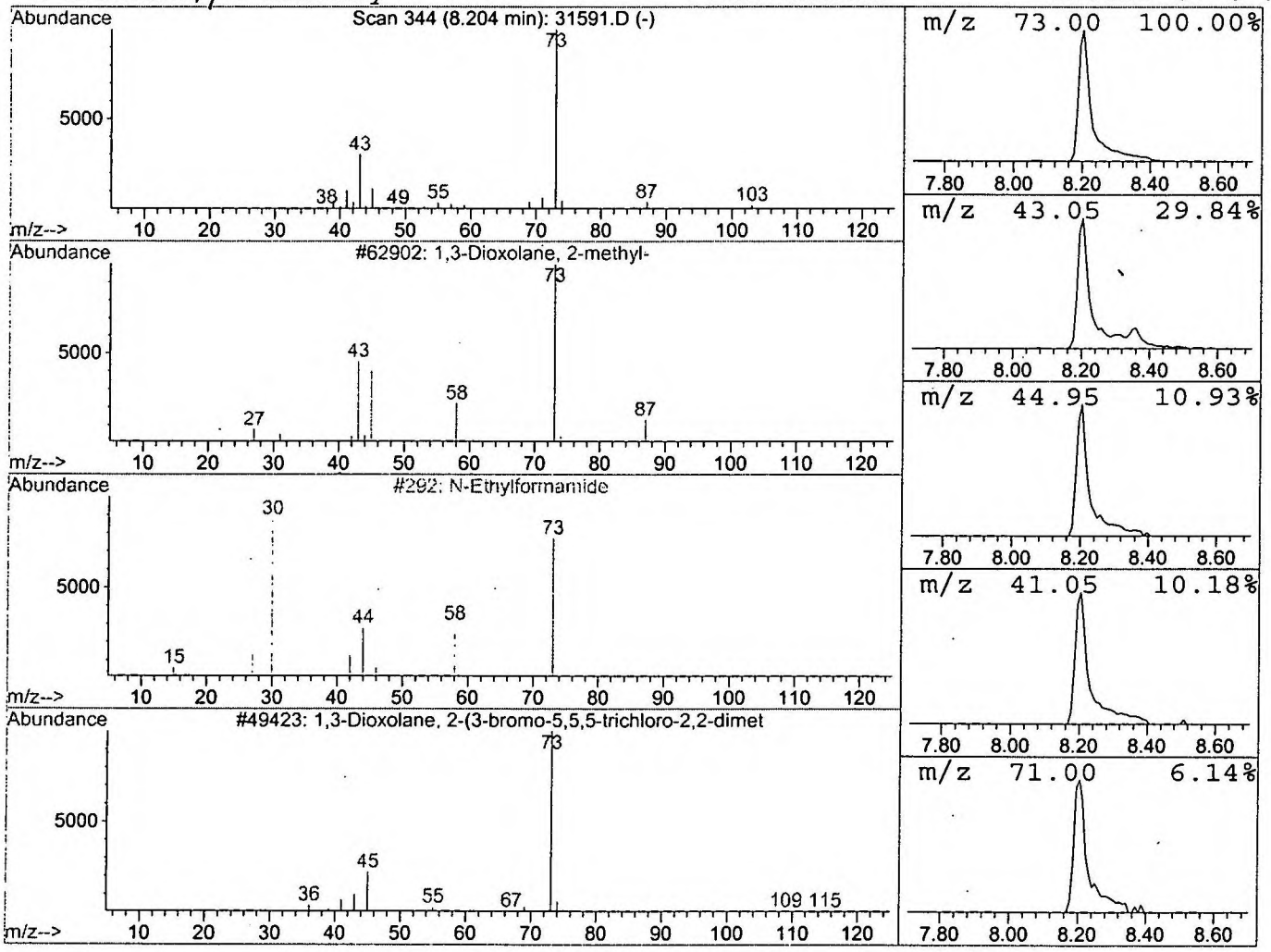
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1,3-Dioxolane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	3.15 ug/l	247537	1,4-Dichlorobenzene-d4	12.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB2102\31591.D Vial: 38
Acq On : 23 Feb 2002 3:36 am Operator:
Sample : gc/ms scan 2/21 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

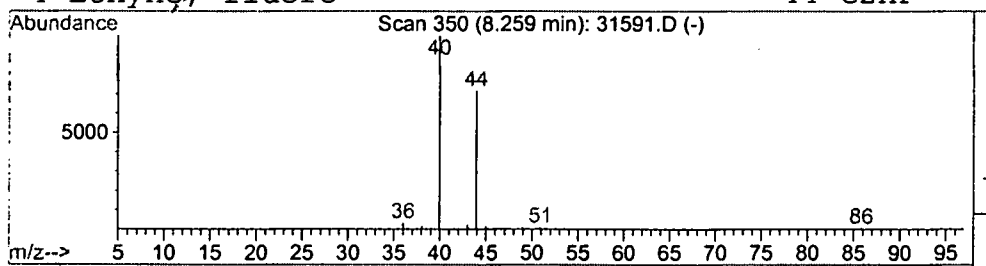
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

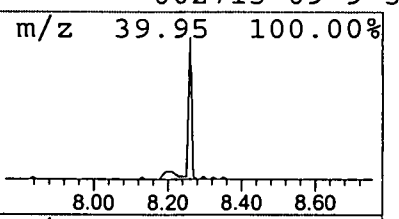
****

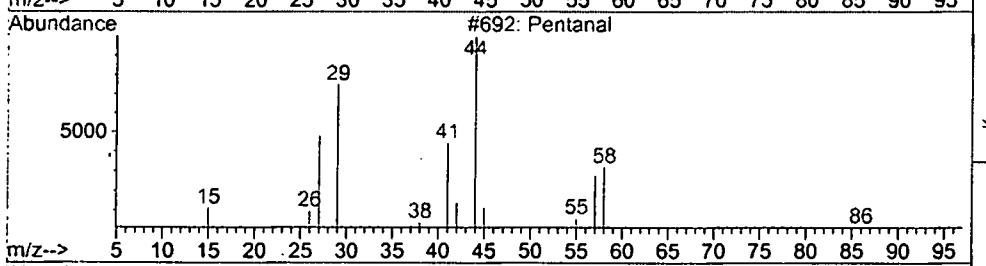
Peak Number 2 Pentanal Concentration Rank 3

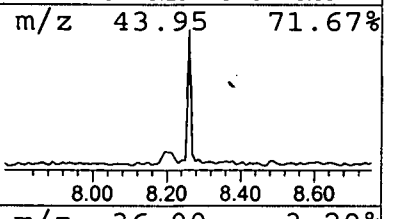
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	0.47 ug/l	37019	1,4-Dichlorobenzene-d4	12.34

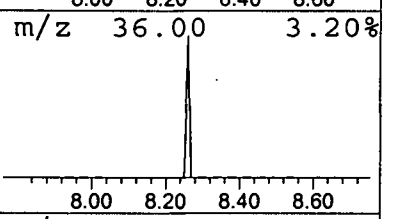
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	4
2	Acetaldehyde	44	C2H4O	000075-07-0	3
3	Carbon dioxide	44	CO2	000124-38-9	3
4	Ethyne, fluoro-	44	C2HF	002713-09-9	3

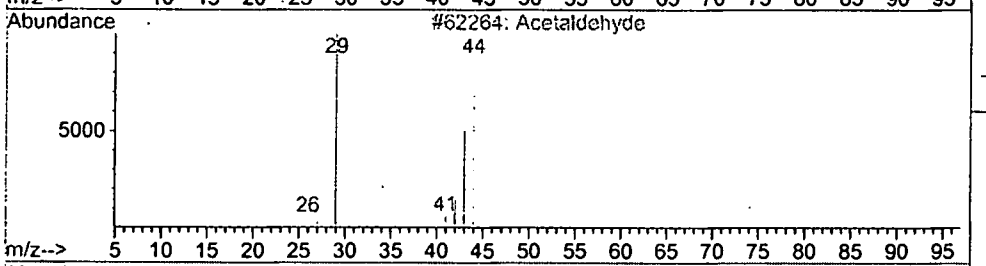


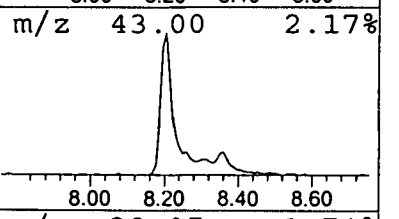


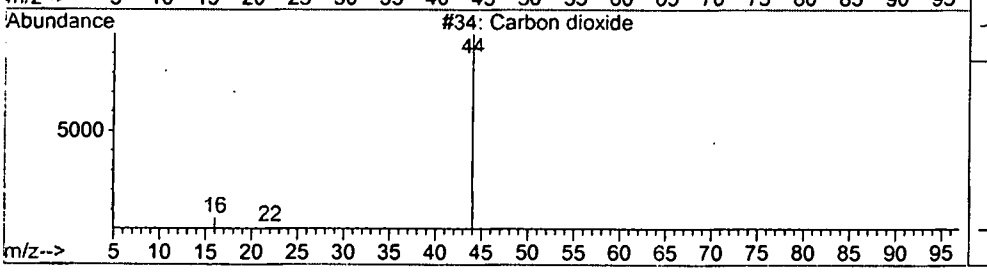


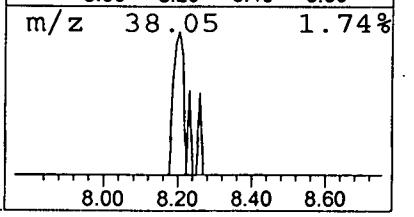












Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB2102\31591.D Vial: 38
Acq On : 23 Feb 2002 3:36 am Operator:
Sample : gc/ms scan 2/21 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

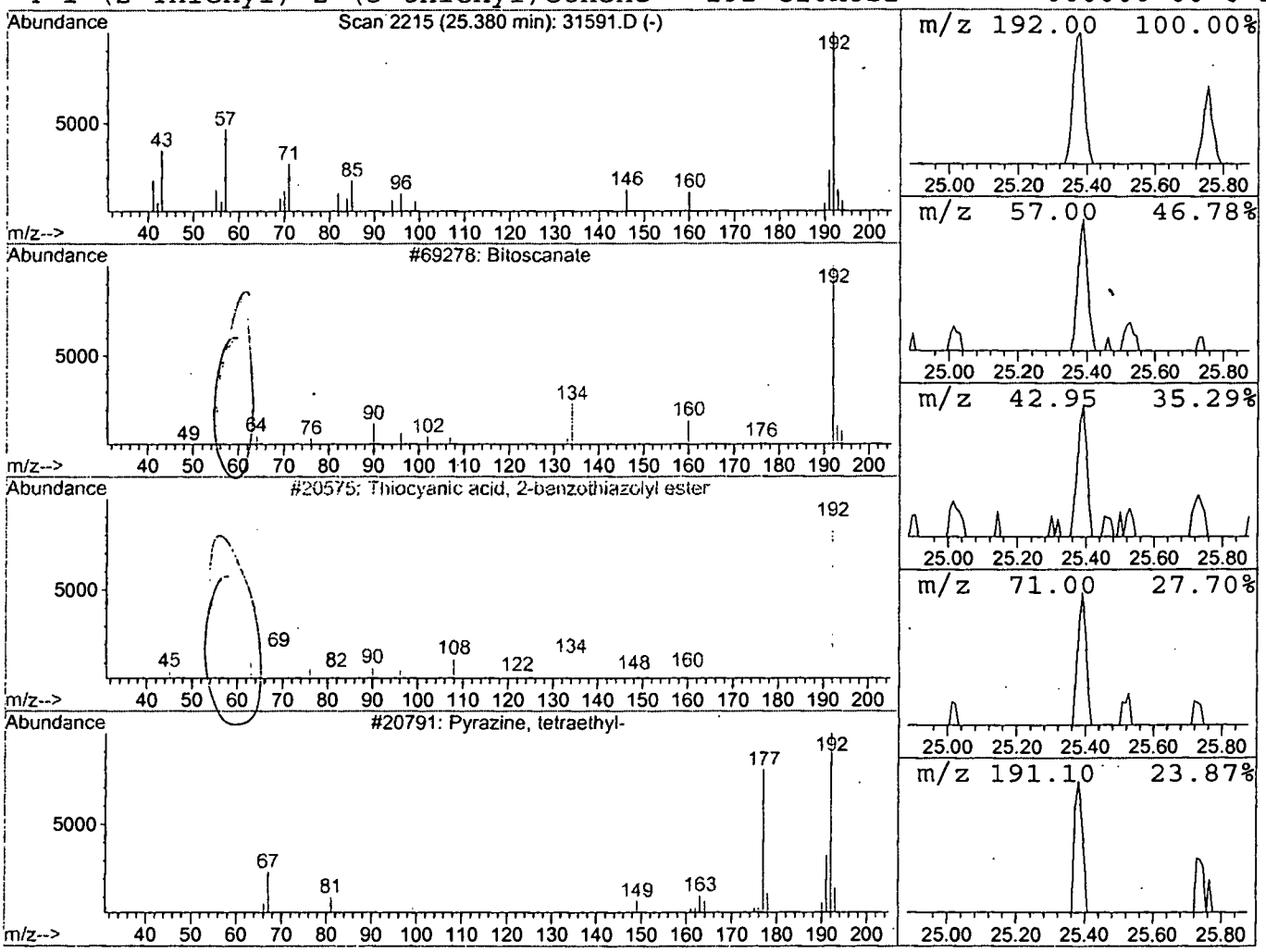
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Bitoscanate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.38	0.24 ug/l	24610	Phenanthrene-d10	25.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bitoscanate	192	C8H4N2S2	004044-65-9	47
2	Thiocyanic acid, 2-benzothiazolyl e	192	C8H4N2S2	006011-99-0	47
3	Pyrazine, tetraethyl-	192	C12H20N2	038325-19-8	40
4	1-(2-Thienyl)-2-(3-thienyl)ethene	192	C10H8S2	000000-00-0	25



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB2102\31591.D Vial: 38
Acq On : 23 Feb 2002 3:36 am Operator:
Sample : gc/ms scan 2/21 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

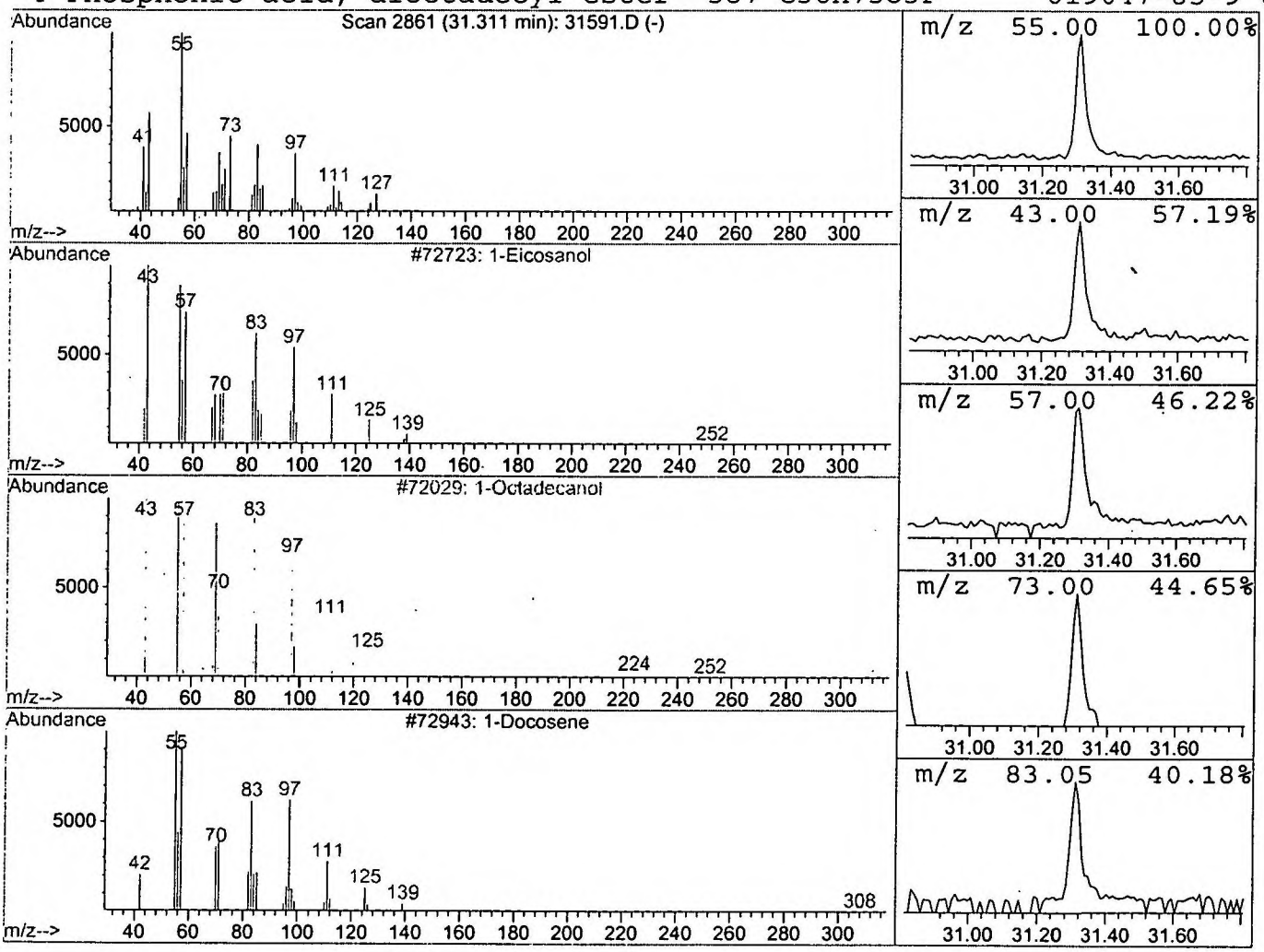
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 1-Eicosanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.31	0.92 ug/l	72526	Chrysene-d12	33.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Eicosanol	298	C20H42O	000629-96-9	76
2	1-Octadecanol	270	C18H38O	000112-92-5	76
3	1-Docosene	308	C22H44	001599-67-3	68
4	Phosphonic acid, dioctadecyl ester	587	C36H75O3P	019047-85-9	68



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 23 Feb 2002 3:36 am
Data File: C:\HPCHEM\1\DATA\FEB2102\31591.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
1,3-Dioxolane, 2-met	8.20	3.1	ug/l	247537	ISTD01	12.34	1572500	20.0
Pentanal	8.26	0.5	ug/l	37019	ISTD01	12.34	1572500	20.0
Bitoscanate	25.38	0.2	ug/l	24610	ISTD04	25.74	2067720	20.0
1-Eicosanol	31.31	0.9	ug/l	72526	ISTD05	33.81	1577820	20.0
1,2-Benzenedicarboxy	34.01	0.4	ug/l	30358	ISTD05	33.81	1577820	20.0

31591.D GCMS0208.M Wed Feb 27 12:06:21 2002

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN2502\31591.D Vial: 25
Acq On : 25 Jan 2002 2:05 pm Operator: 209 GALOS
Sample : GC/MS SCAN 1/2 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 27 15:11 2002 Quant Results File: GCMS0103.RES

Quant 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
DataAcq Meth : GCMS0103

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.49	152	804351	20.00	ug/l	-0.04
10) Naphthalene-d8	15.08	136	3106900	20.00	ug/l	-0.04
17) Acenaphthene-d10	20.35	164	1538095	20.00	ug/l	-0.04
29) Phenanthrene-d10	24.76	188	2127387	20.00	ug/l	-0.04
38) Chrysene-d12	32.78	240	1170211	20.00	ug/l	-0.05
44) Perylene-d12	36.84	264	698553	20.00	ug/l	-0.05
System Monitoring Compounds						
37) 2,4-DDD	29.84	235	61996	2.54	ug/mL	-0.23
Spiked Amount 5.000			Recovery = 50.80%			
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	12.79	77	605	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	15.14	128	4040	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	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	20.81	165	118	N.D.		
25) Diethylphthalate	21.86	149	972	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\JAN2502\31591.D Vial: 25
Acq On : 25 Jan 2002 2:05 pm Operator: 209 GALOS
Sample : GC/MS SCAN 1/2 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 27 15:11 2002 Quant Results File: GCMS0103.RES

Quant 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
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	24.83	178	969	N.D.	
34)	Anthracene	24.83	178	969	N.D.	
35)	Di-n-butylphthalate	26.78	149	12950	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	32.78	228	3574	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.09	149	6917	N.D.	
43)	Chrysene	32.78	228	3574	N.D.	
45)	Di-n-Octylphthalate	34.82	149	570	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	36.84	252	2959	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\JAN2502\31591.D
Acq On : 25 Jan 2002 2:05 pm
Sample : GC/MS SCAN 1/2
Misc :
MS Integration Params: GOOFY.P
Quant Time: Feb 27 15:11 2002

Vial: 25
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS0103.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