User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 09/27/2001 Time: 09:10:11

Sample: AD22491
Analysis: $GCMS GC/MS Scan For Unknowns
Started: 9/24/01 15:17 Ended: 9/24/01 15:17 Analyst: MG
Result source: manual entry
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Needs Validation

Comments for Sample AD22491 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 10-03-2001 Time: 12:34:02

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, reveals the presence of the following compounds with estimated levels, lower than normally measured by this laboratory.
Di-n-butylphthalate - 0.36 ug/L
Fluoranthene - 0.25 ug/L
Benzidine - 0.74 ug/L
Butylbenzylphthalate - 1.1 ug/L
bis(2-Ethylhexyl)phthalate - 1.5 ug/L
Chrysene - 1.5 ug/L
Di-n-octylphthalate - 1.1 ug/L
Benzo(b)fluoranthene - 1.2 ug/L
Benzo(K)fluoranthene - 1.1ug/L
Indeno(1,2,3-cd)pyrene - 0.58 ug/L
Dibenz(a,h)anthracene - 0.88 ug/L
Benzo(g,h,i,)perylene - 0.85 ug/L

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2501\22491.D Vial: 2
Acq On : 25 Sep 2001 3:25 pm Operator: 209 GALOS
Sample : GC/MS unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 16:13 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.79	152	461158	20.00	ug/l	-0.12
19) Naphthalene-d8	15.40	136	1800985	20.00	ug/l	-0.13
31) Acenaphthene-d10	20.68	164	852232	20.00	ug/l	-0.13
49) Phenanthrene-d10	25.11	188	1151458	20.00	ug/l	-0.13
59) Chrysene-d12	33.15	240	694298	20.00	ug/l	-0.13
68) Perylene-d12	37.27	264	469078	20.00	ug/l	-0.15
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
5) Phenol-d5	0.00	99	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
6) 2-Chlorophenol-d4	0.00	132	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
7) 1,2-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
32) 2-Fluorobiphenyl	0.00	172	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
62) Terphenyl-d14	30.01	244	24401	0.58	ug/l	-0.14
Spiked Amount 50.000			Recovery =	1.16%		
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	0.00	74	0	N.D.		
8) Phenol	0.00	94	0	N.D.		
9) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
10) 2-Chlorophenol	0.00	128	0	N.D.		
11) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
12) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
13) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
14) 2-Methylphenol	0.00	108	0	N.D.		
15) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
16) 3&4-Methylphenol	0.00	108	0	N.D.		
17) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
18) Hexachloroethane	0.00	117	0	N.D.		
21) Nitrobenzene	0.00	77	0	N.D.		
22) Isophorone	0.00	82	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2501\22491.D Vial: 2
Acq On : 25 Sep 2001 3:25 pm Operator: 209 GALOS
Sample : GC/MS unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 16:13 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23) 2-Nitrophenol	0.00	139	0	N.D.	
24) 2,4-Dimethylphenol	0.00	107	0	N.D.	
25) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.	
26) 2,4-Dichlorophenol	0.00	162	0	N.D.	
27) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
28) Naphthalene	0.00	128	0	N.D.	
29) Hexachlorobutadiene	0.00	225	0	N.D.	
30) 4-Chloro-3-methylphenol	0.00	107	0	N.D.	
34) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
35) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
36) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
37) 2-Chloronaphthalene	0.00	162	0	N.D.	
38) Dimethylphthalate	0.00	163	0	N.D.	
39) 2,6-Dinitrotoluene	20.68	165	108164	7.76 ug/l #	44
40) Acenaphthylene	0.00	152	0	N.D.	
41) Acenaphthene	0.00	153	0	N.D.	
42) 2,4-Dinitrophenol	0.00	184	0	N.D.	
43) 4-Nitrophenol	0.00	65	0	N.D.	
44) 2,4-Dinitrotoluene	0.00	165	0	N.D.	
45) Diethylphthalate	0.00	149	0	N.D.	
46) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
47) Fluorene	0.00	166	0	N.D.	
48) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.	
50) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
51) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
52) 4-Bromophenyl-phenylether	0.00	248	0	N.D.	
53) Hexachlorobenzene	0.00	284	0	N.D.	
54) Pentachlorophenol	0.00	266	0	N.D.	
55) Phenanthrene	0.00	178	0	N.D.	
56) Anthracene	0.00	178	0	N.D.	
57) Di-n-butylphthalate	27.11	149	33001	0.36 ug/l	97
58) Fluoranthene	28.79	202	16101	0.25 ug/l	98
60) 3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
61) Benzidine	29.28	184	13135	0.74 ug/l #	94
63) Pyrene	0.00	202	0	N.D.	
64) Butylbenzylphthalate	31.62	149	36573	1.09 ug/l	93
65) Benzo(a)anthracene	33.10	228	9898	N.D.	
66) Bis(2-ethylhexyl)phthalate	33.42	149	67882	1.48 ug/l	98
67) Chrysene	33.22	228	60604	1.45 ug/l	99
69) Di-n-Octylphthalate	35.16	149	84604	1.15 ug/l	97
70) Benzo(b)fluoranthene	36.17	252	46502	1.23 ug/l #	92

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2501\22491.D Vial: 2
Acq On : 25 Sep 2001 3:25 pm Operator: 209 GALOS
Sample : GC/MS unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 16:13 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Benzo(k)fluoranthene	36.24	252	40743	1.14 ug/l #	90
72)	Benzo(a)pyrene	0.00	252	0	N.D.	
73)	Indeno(1,2,3-cd)pyrene	41.02	276	17550	0.58 ug/l	96
74)	Dibenz(a,h)anthracene	41.09	278	20794	0.88 ug/l	96
75)	Benzo(g,h,i)perylene	42.14	276	22254	0.85 ug/l	96

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

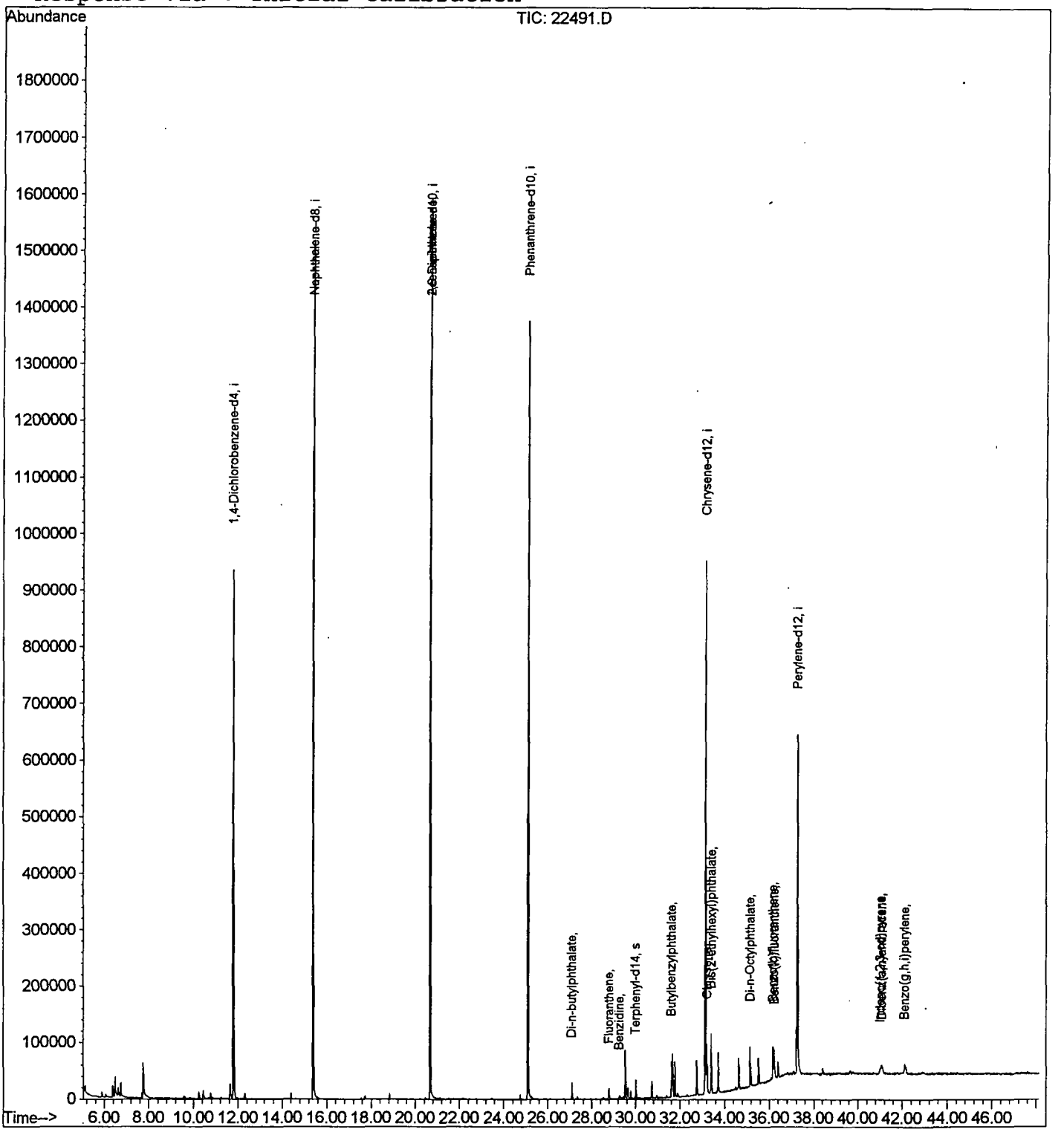
Quantitation Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22491.D
Acq On : 25 Sep 2001 3:25 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Sep 25 16:13 2001

Vial: 2
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Results File: NP091101.RES

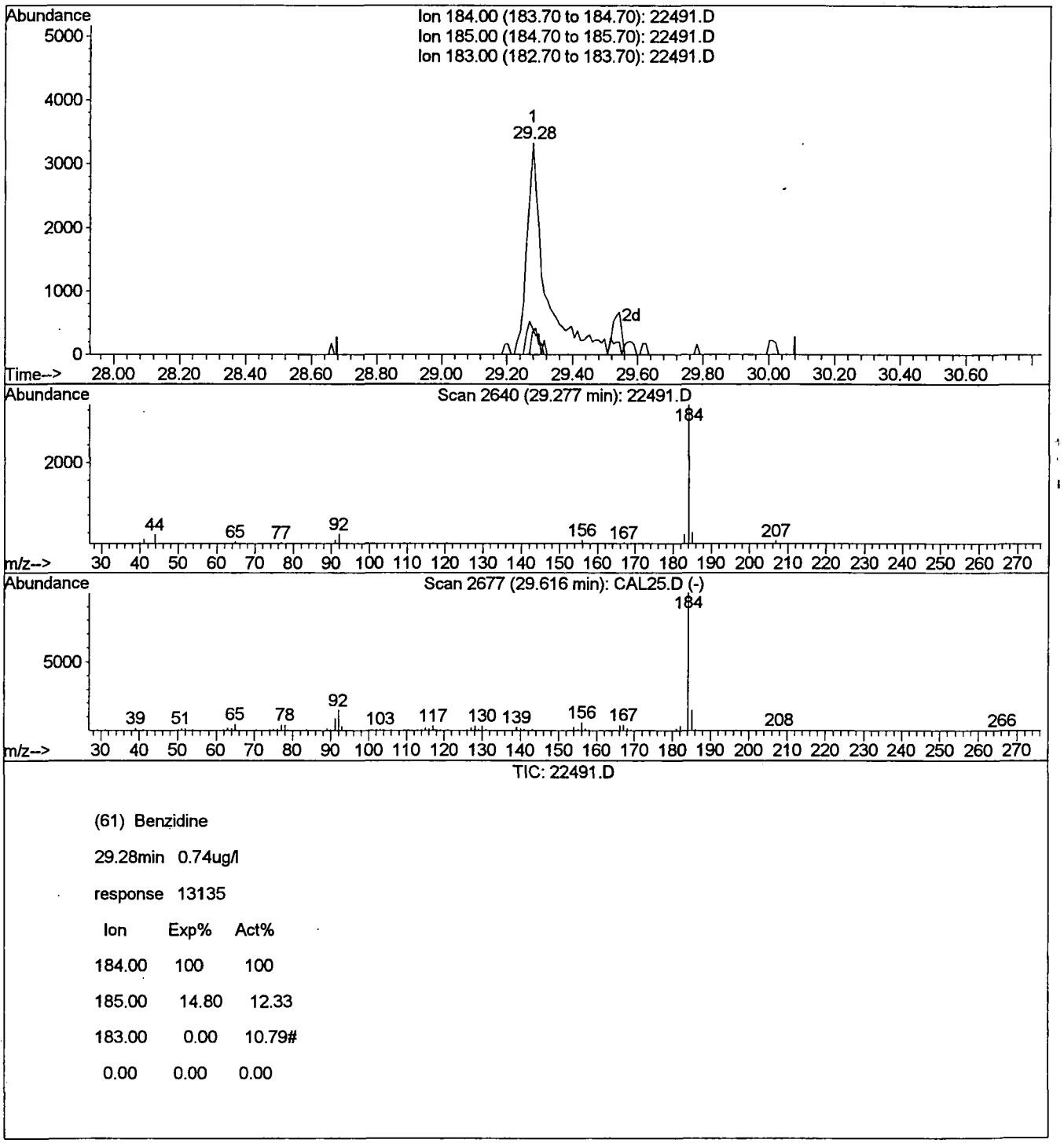
Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22491.D Vial: 2
Acq On : 25 Sep 2001 3:25 pm Operator: 209 GALOS
Sample : GC/MS unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
Quant Time: Sep 25 16:13 2001 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Aug 24 08:42:39 2001
Response via : Multiple Level Calibration



TIC: 22491.D

(61) Benzidine

29.28min 0.74ug/l

response 13135

Ion	Exp%	Act%
184.00	100	100
185.00	14.80	12.33
183.00	0.00	10.79#
0.00	0.00	0.00

22491.D NP091101.M Wed Sep 26 09:33:07 2001

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22491.D Vial: 2
Acq On : 25 Sep 2001 3:25 pm Operator: 209 GALOS
Sample : GC/MS unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
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

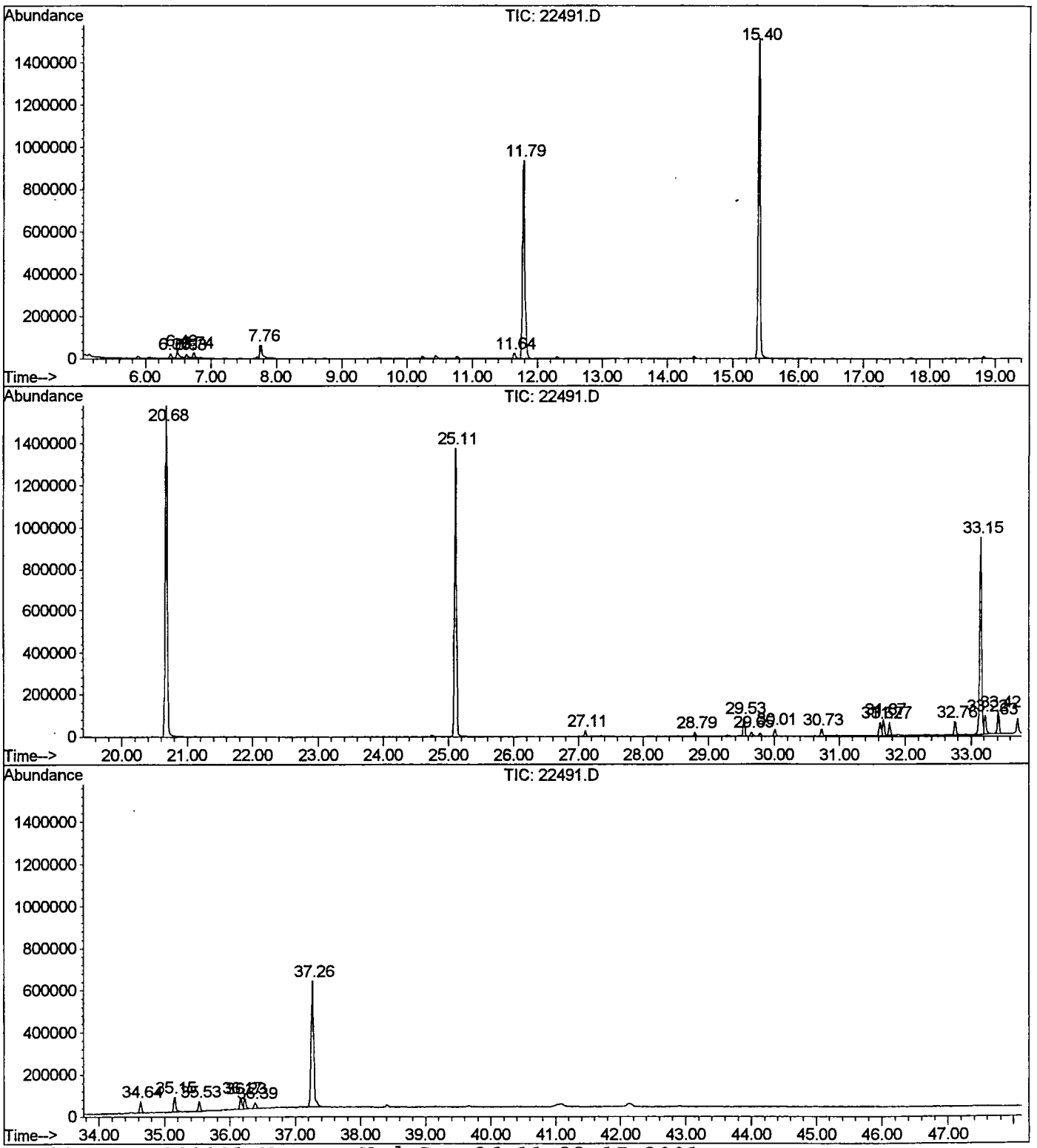
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.381	142	146	152	rBV	20282	42431	1.25%	0.228%
2	6.492	154	158	169	rVV	35947	90337	2.65%	0.486%
3	6.629	169	173	181	rVV	16321	42251	1.24%	0.227%
4	6.740	181	185	193	rVB	24057	50147	1.47%	0.270%
5	7.759	293	296	307	rBV	61632	158833	4.67%	0.855%
6	11.642	713	719	729	rBV	25703	62837	1.85%	0.338%
7	11.789	729	735	746	rBV	935153	2393324	70.29%	12.881%
8	15.397	1122	1128	1147	rBV	1516468	3279966	96.34%	17.653%
9	20.684	1697	1704	1721	rBV	1578175	3404715	100.00%	18.325%
10	25.109	2179	2186	2195	rBV2	1375291	2984526	87.66%	16.063%
11	27.111	2399	2404	2409	rBV	28541	53539	1.57%	0.288%
12	28.791	2582	2587	2593	rVB	17492	35646	1.05%	0.192%
13	29.534	2663	2668	2673	rBV	84174	157230	4.62%	0.846%
14	29.654	2676	2681	2690	rVB	19115	39040	1.15%	0.210%
15	30.012	2715	2720	2724	rBV	32529	64611	1.90%	0.348%
16	30.728	2793	2798	2803	rBV	30981	63351	1.86%	0.341%
17	31.618	2890	2895	2898	rBV	63359	133976	3.94%	0.721%
18	31.673	2898	2901	2906	rVV	76856	144172	4.23%	0.776%
19	31.765	2906	2911	2916	rVV	61274	116966	3.44%	0.630%
20	32.757	3015	3019	3028	rBV	61415	128185	3.76%	0.690%
21	33.151	3052	3062	3067	rBV2	944375	2192792	64.40%	11.802%
22	33.216	3067	3069	3077	rVB	86280	173856	5.11%	0.936%
23	33.417	3086	3091	3096	rVB	103693	209354	6.15%	1.127%
24	33.720	3117	3124	3129	rVB	69952	148258	4.35%	0.798%
25	34.638	3220	3224	3231	rVB	54175	111116	3.26%	0.598%
26	35.153	3276	3280	3287	rBV	68999	156348	4.59%	0.841%
27	35.529	3316	3321	3329	rBV	47356	102207	3.00%	0.550%
28	36.172	3386	3391	3395	rBV	55771	134546	3.95%	0.724%
29	36.227	3395	3397	3404	rVB	49871	108026	3.17%	0.581%
30	36.392	3411	3415	3423	rVB2	27447	61649	1.81%	0.332%
31	37.264	3503	3510	3524	rBV2	598648	1735472	50.97%	9.341%

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\SEP2501\22491.D
Operator : 209 GALOS
Acquired : 25 Sep 2001 3:25 pm using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: GC/MS unknown
Misc Info :
Vial Number: 2
Quant File :NP091101.RES (RTE Integrator)



22491.D NP091101.M Wed Sep 26 11:32:15 2001

Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 25 Sep 2001 3:25 pm
Data File: C:\HPCHEM\1\DATA\SEP2501\22491.D
Name: GC/MS unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title: 209 625/TCLP calibration table 7/16/01
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

22491.D NP091101.M Wed Sep 26 11:32:17 2001