Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112916\
Data File : BM008107.D
Acq On : 29 Nov 2016 18:16
Operator : UM/SJ
Sample : SSTD08038
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 30 00:23:35 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 30 00:08:34 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD08038

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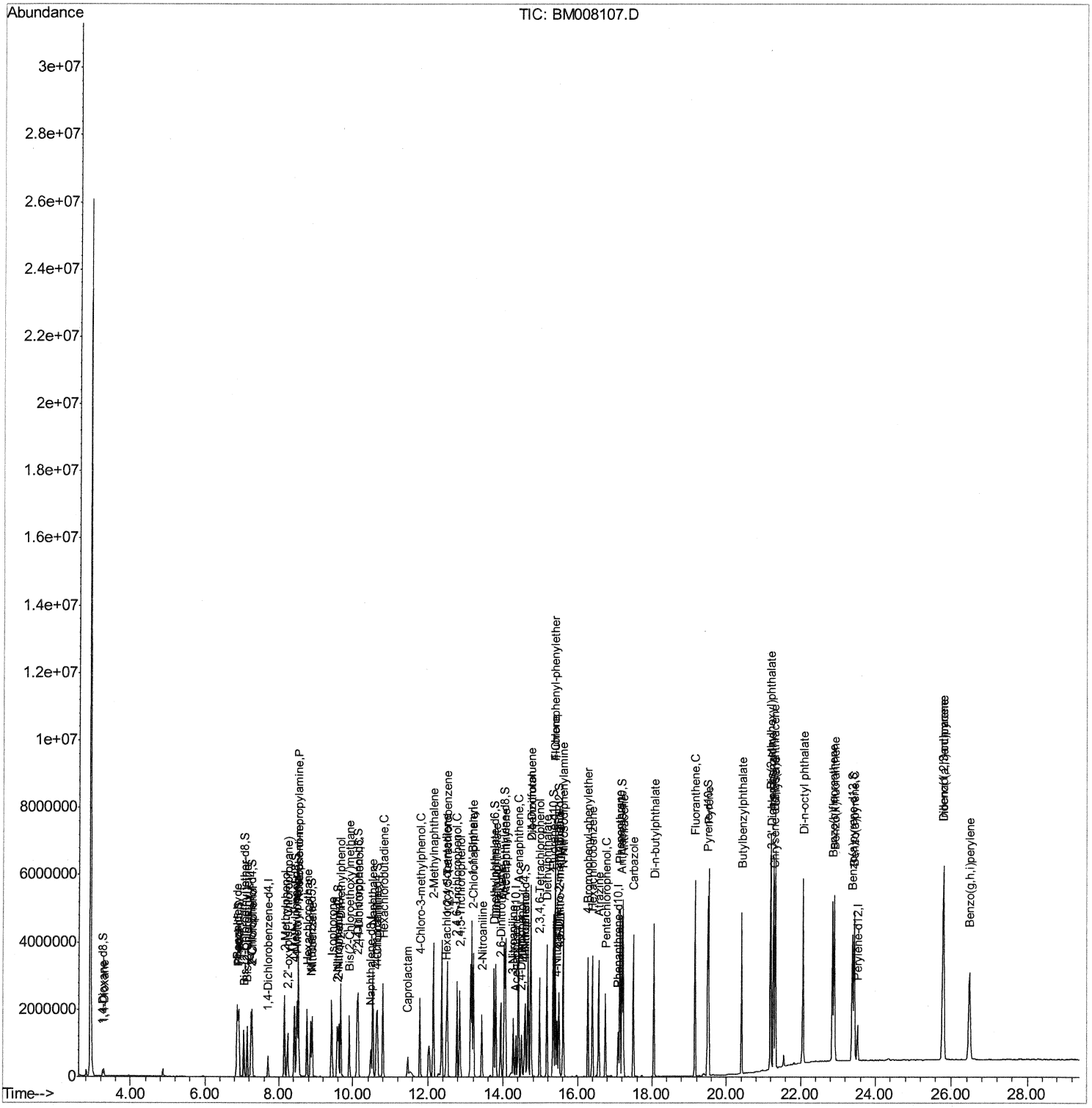

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Data File : BM008107.D
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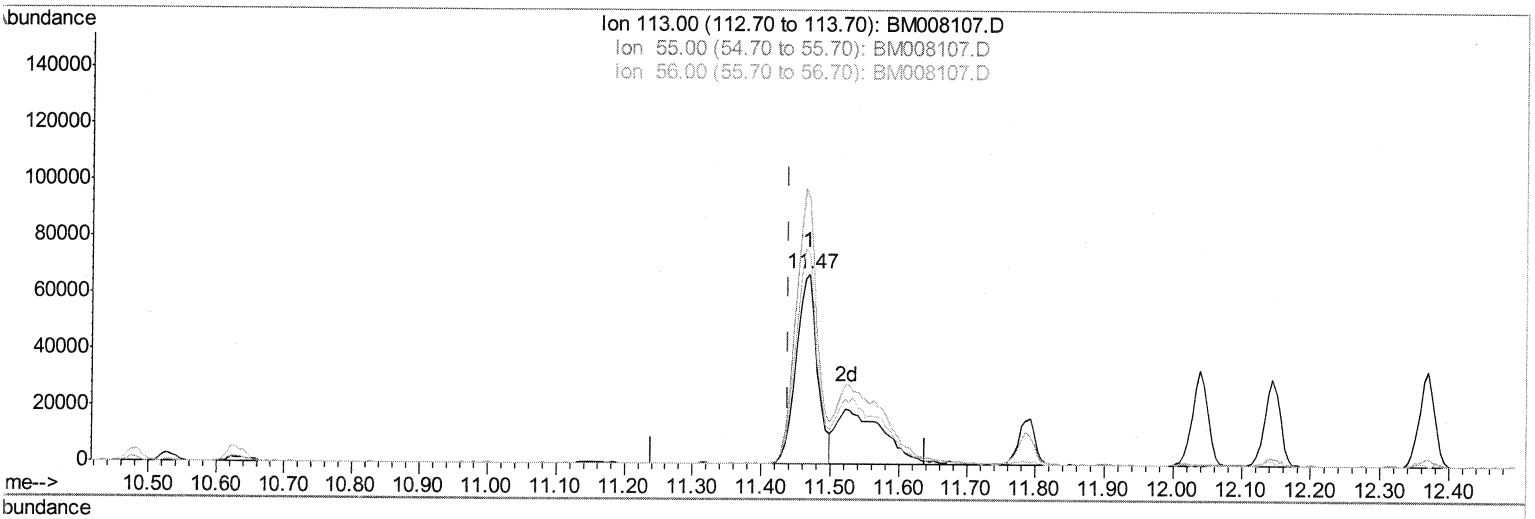

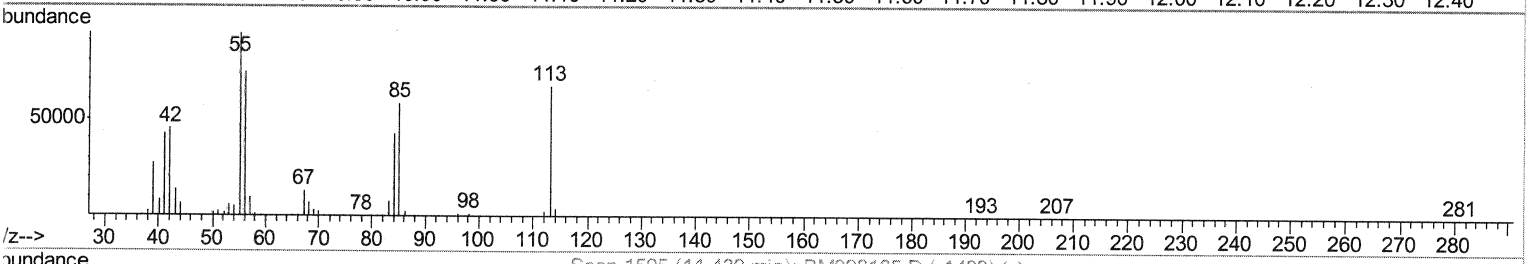

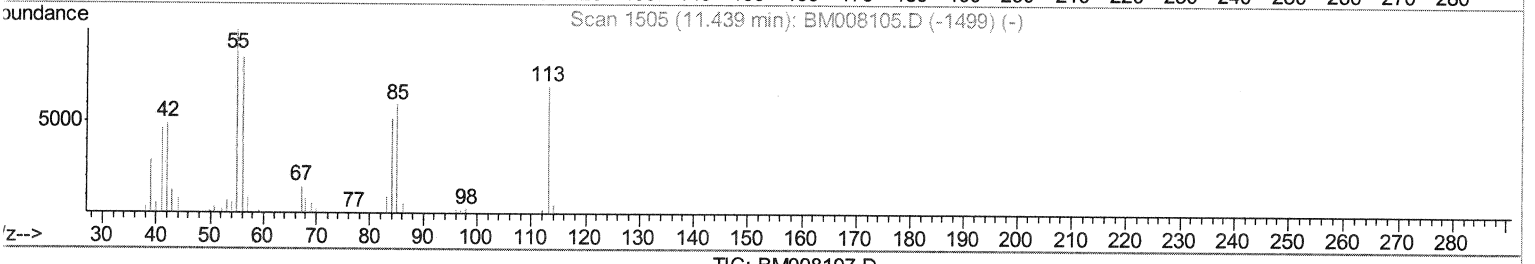

TIC: BM008107.D

(32) Caprolactam

11.469min (+0.029) 51.66ng/ul

response 144459

Ion	Exp%	Act%
113.00	100	100
55.00	146.20	140.14
56.00	122.10	110.41
0.00	0.00	0.00

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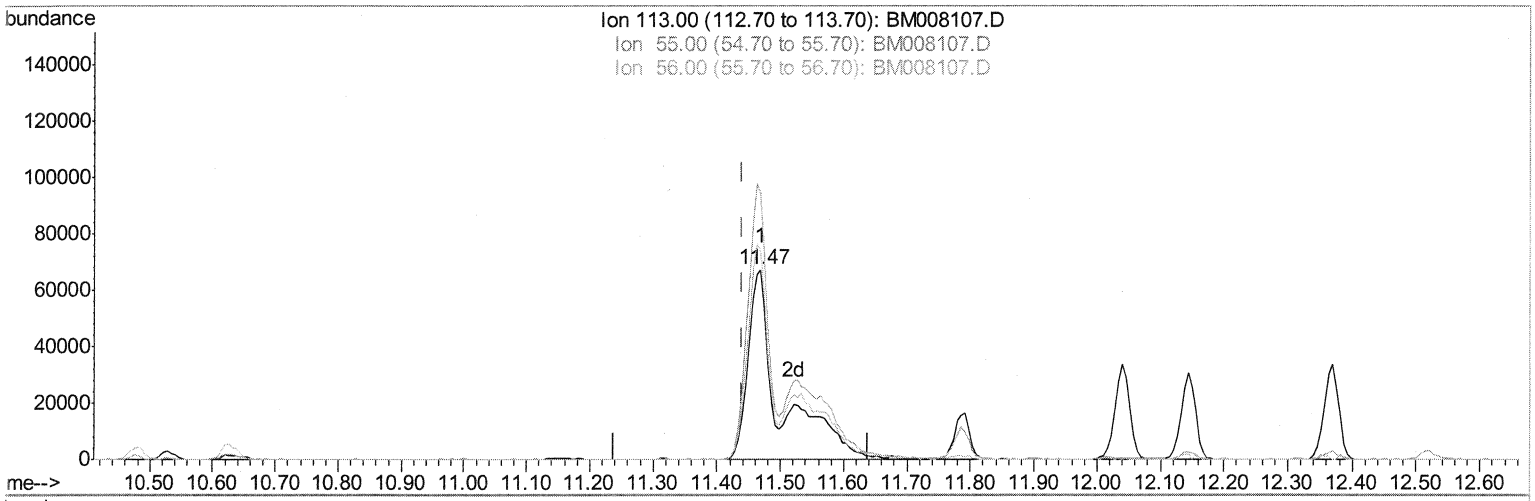

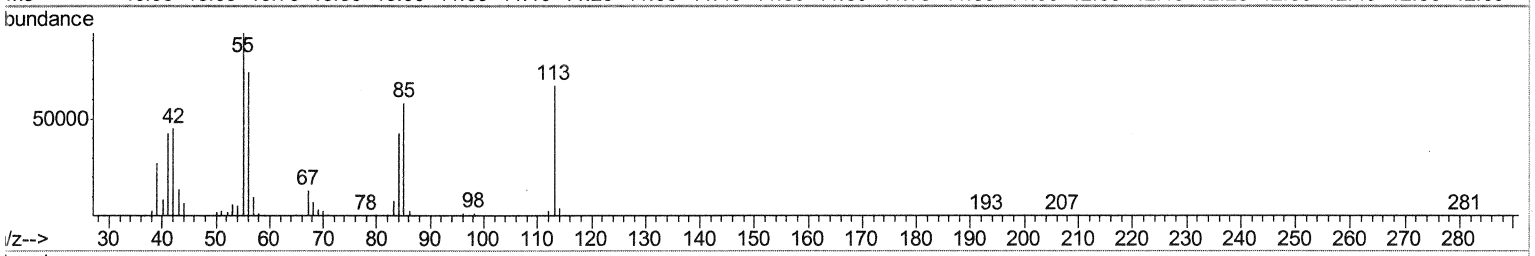

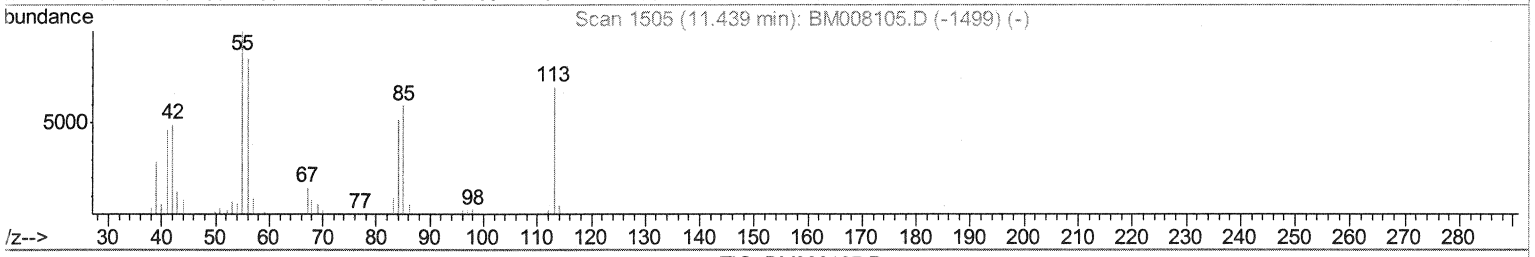

TIC: BM008107.D

(32) Caprolactam

11.469min (+0.029) 85.20ng/ul m SJ 11/30/16

response 238268

Ion	Exp%	Act%
113.00	100	100
55.00	146.20	140.14
56.00	122.10	110.41
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	168586	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	664590	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	418243	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	767683	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	818471	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	790686	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	107990	28.15	ng/uL	0.00
5) Phenol-d5	6.89	99	1067069	82.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	596253	78.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	829693	83.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	838366	83.19	ng/ul	0.01
19) Nitrobenzene-d5	8.86	128	401803	84.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	469226	91.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	836965	84.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	848454	78.02	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	2191371	77.45	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	2758292	80.92	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	353886	78.77	ng/ul	0.00
57) Fluorene-d10	15.34	176	1878708	76.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.49	200	397771	86.61	ng/ul	0.00
70) Anthracene-d10	17.19	188	2709533	79.22	ng/ul	0.00
76) Pyrene-d10	19.49	212	2837721	85.28	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.39	264	2752648	80.47	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.29	88	121633	28.62	ng/uL	95
4) Benzaldehyde	6.86	77	735496	89.68	ng/ul	98
6) Phenol	6.92	94	1093859	82.50	ng/ul	98
8) Bis(2-Chloroethyl)ether	7.14	93	809243	79.65	ng/ul	98
10) 2-Chlorophenol	7.27	128	842142	83.05	ng/ul	98
11) 2-Methylphenol	8.15	108	807491	83.37	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.23	45	895652	79.40	ng/ul	98
14) Acetophenone	8.53	105	1320602	83.24	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.52	70	676812	85.41	ng/ul	98
16) 4-Methylphenol	8.49	108	873297	83.78	ng/ul	98
17) Hexachloroethane	8.76	117	357802	79.47	ng/ul	92
20) Nitrobenzene	8.90	77	989542	81.08	ng/ul	97
21) Isophorone	9.43	82	1794460	84.93	ng/ul	99
23) 2-Nitrophenol	9.61	139	475919	89.53	ng/ul	98
24) 2,4-Dimethylphenol	9.67	107	993212	82.73	ng/ul	99
25) Bis(2-Chloroethoxy)methane	9.90	93	1046055	81.77	ng/ul	97
27) 2,4-Dichlorophenol	10.14	162	823482	84.52	ng/ul	99
28) Naphthalene	10.53	128	2529078	78.86	ng/ul	99
30) 4-Chloroaniline	10.65	127	856744	77.47	ng/ul	95
31) Hexachlorobutadiene	10.80	225	623725	78.39	ng/ul	98
32) Caprolactam	11.47	113	238268m	85.20	ng/ul	
33) 4-Chloro-3-methylphenol	11.79	107	879420	85.49	ng/ul	98
34) 2-Methylnaphthalene	12.14	142	1814635	79.77	ng/ul	98

SJ 11/30/16

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.52	216	1091148	81.19	ng/ul	98
37) Hexachlorocyclopentadiene	12.49	237	619951	81.51	ng/ul	98
38) 2,4,6-Trichlorophenol	12.77	196	658254	87.00	ng/ul	99
39) 2,4,5-Trichlorophenol	12.84	196	707540	85.58	ng/ul	99
40) 1,1'-Biphenyl	13.17	154	2347866	80.46	ng/ul	100
41) 2-Chloronaphthalene	13.21	162	1772612	79.11	ng/ul	98
42) 2-Nitroaniline	13.43	65	537590	88.78	ng/ul	98
44) Dimethylphthalate	13.81	163	2141406	77.71	ng/ul	99
45) 2,6-Dinitrotoluene	13.94	165	454807	86.59	ng/ul	94
47) Acenaphthylene	14.06	152	2749393	79.51	ng/ul	100
48) 3-Nitroaniline	14.27	138	412813	80.42	ng/ul	94
49) Acenaphthene	14.41	153	1863235	78.04	ng/ul	97
50) 2,4-Dinitrophenol	14.49	184	296233	90.60	ng/ul	97
52) 4-Nitrophenol	14.59	109	330629	74.98	ng/ul	95
53) Dibenzofuran	14.74	168	2637200	77.29	ng/ul	99
54) 2,4-Dinitrotoluene	14.73	165	630648	83.68	ng/ul	93
55) 2,3,4,6-Tetrachlorophenol	14.97	232	616298	83.47	ng/ul	97
56) Diethylphthalate	15.17	149	2077966	75.42	ng/ul	98
58) Fluorene	15.40	166	2121158	77.63	ng/ul	97
59) 4-Chlorophenyl-phenylether	15.39	204	1134273	77.82	ng/ul	97
60) 4-Nitroaniline	15.44	138	420942	80.23	ng/ul	97
63) 4,6-Dinitro-2-methylphenol	15.50	198	410199	86.39	ng/ul#	98
64) N-Nitrosodiphenylamine	15.61	169	1807646	83.25	ng/ul	99
65) 4-Bromophenyl-phenylether	16.29	248	731192	84.16	ng/ul	95
66) Hexachlorobenzene	16.40	284	790155	82.17	ng/ul	95
67) Atrazine	16.57	200	690106	81.55	ng/ul	97
68) Pentachlorophenol	16.75	266	461490	83.89	ng/ul	96
69) Phenanthrene	17.14	178	3117287	77.18	ng/ul	99
71) Anthracene	17.23	178	3211301	78.08	ng/ul	99
72) Carbazole	17.50	167	2718757	76.22	ng/ul	99
73) Di-n-butylphthalate	18.06	149	3224153	80.35	ng/ul	100
74) Fluoranthene	19.16	202	3472361	73.25	ng/ul	99
77) Pyrene	19.52	202	3539439	84.53	ng/ul	99
78) Butylbenzylphthalate	20.42	149	1385354	90.77	ng/ul	95
79) 3,3'-Dichlorobenzidine	21.21	252	1227818	84.22	ng/ul	98
80) Benzo(a)anthracene	21.27	228	3454370	79.46	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.19	149	2038357	90.60	ng/ul	98
82) Chrysene	21.32	228	3250544	78.03	ng/ul	98
84) Di-n-octyl phthalate	22.07	149	3467367	85.71	ng/ul	99
85) Benzo(b)fluoranthene	22.86	252	3625299	81.16	ng/ul	99
86) Benzo(k)fluoranthene	22.90	252	3255008	79.14	ng/ul	98
88) Benzo(a)pyrene	23.43	252	3391948	80.49	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.79	276	4137103	81.51	ng/ul	99
90) Dibenzo(a,h)anthracene	25.79	278	3459924	80.89	ng/ul	99
91) Benzo(g,h,i)perylene	26.47	276	3432537	80.66	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed