Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\
Data File : BM008909.D
Acq On : 30 Jan 2017 13:30
Operator : SJ/MA
Sample : SSTD08057
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 30 15:16:23 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM013017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 30 14:21:19 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD08057

Manual Integrations APPROVED
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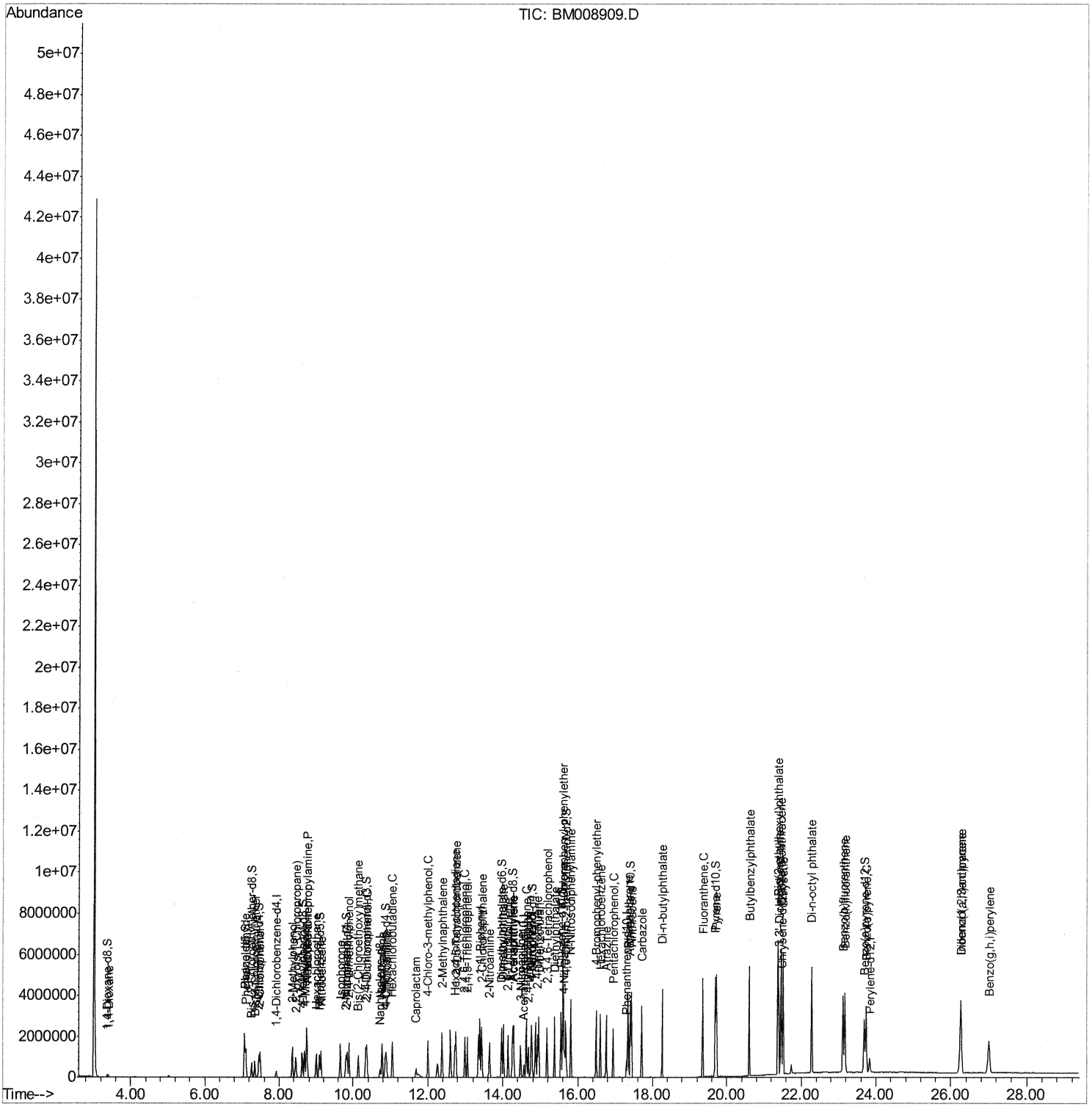
1/31/2017 3:39:47 PM



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Data File : BM008909.D
Acq On : 30 Jan 2017 13:30
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Sample : SSTD08057
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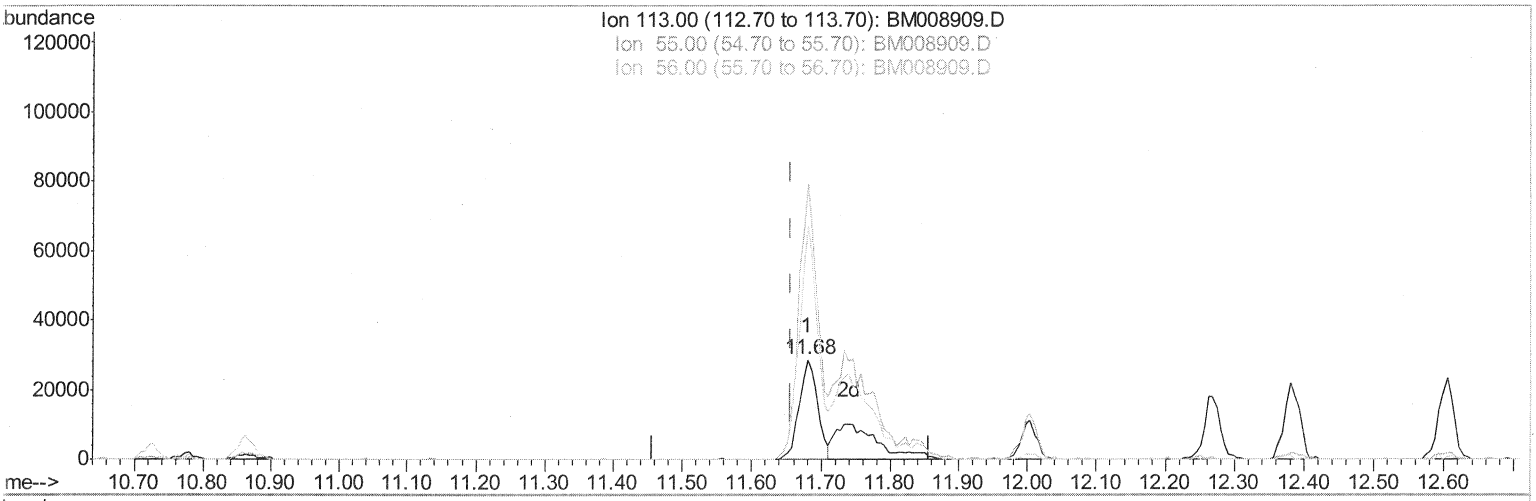

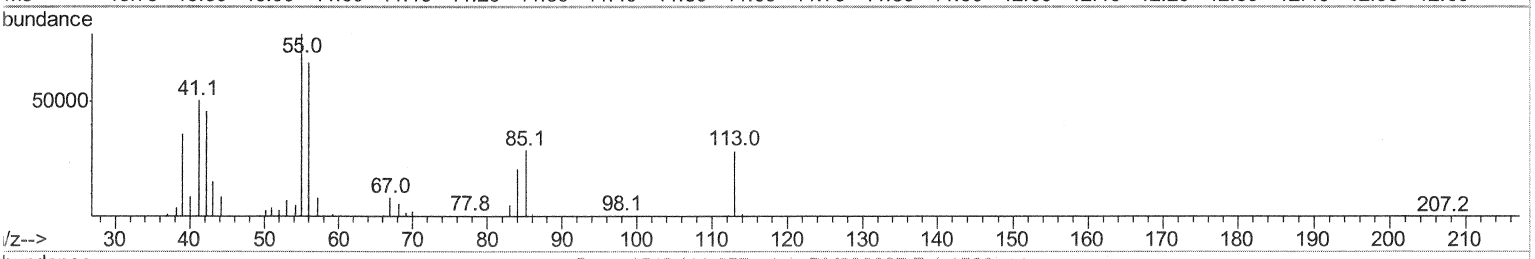

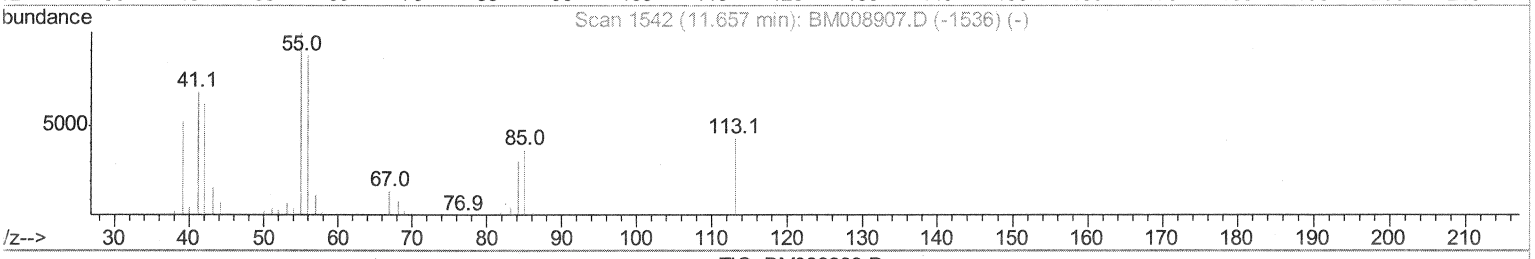

TIC: BM008909.D

(32) Caprolactam

11.680min (+0.024) 49.31ng/ul

response 53238

Ion	Exp%	Act%
113.00	100	100
55.00	236.60	277.43
56.00	207.20	233.98
0.00	0.00	0.00

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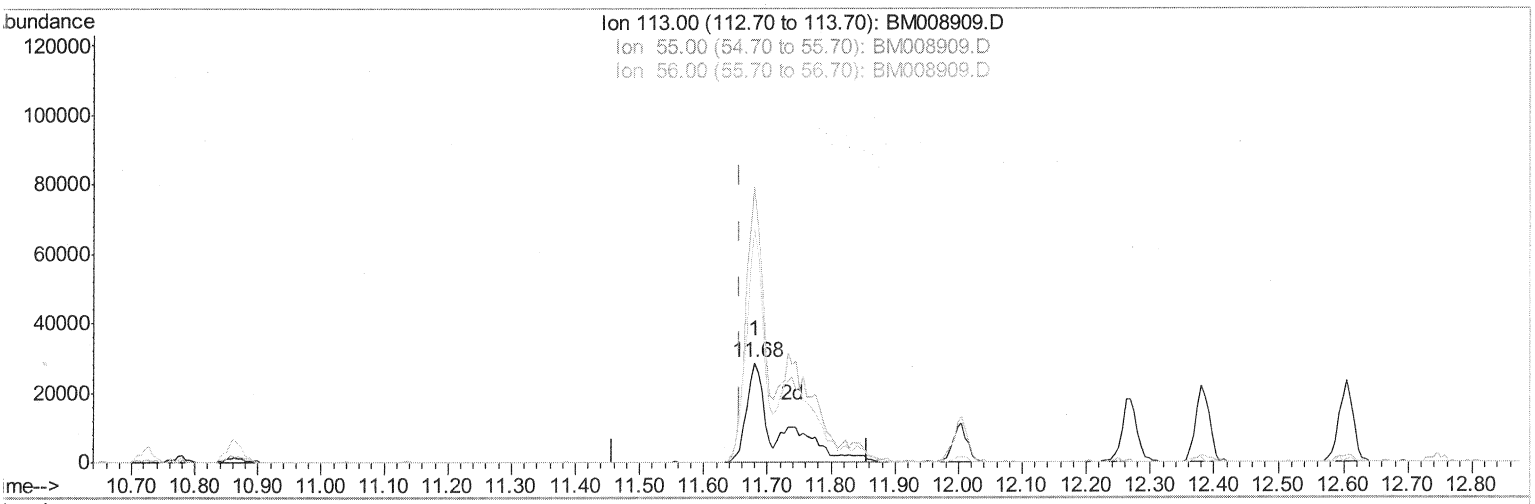

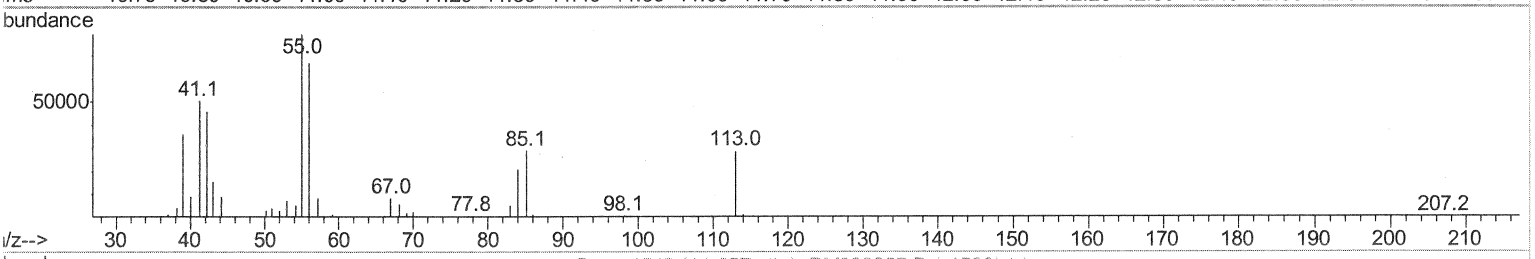

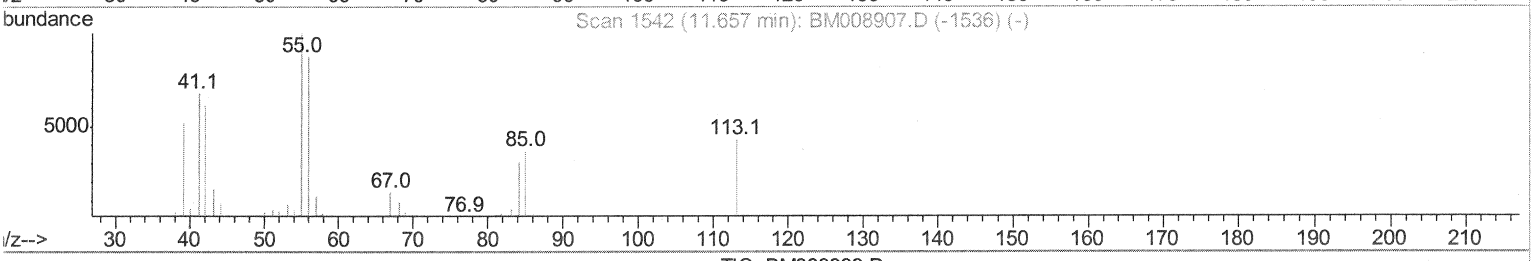

TIC: BM008909.D

(32) Caprolactam

11.680min (+0.024) 90.45ng/ul m SJ 1/31/17

response 97658

Ion	Exp%	Act%
113.00	100	100
55.00	236.60	277.43
56.00	207.20	233.98
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Manual Integrations APPROVED
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1/31/2017 3:39:47 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	49650	20.00	ng/ul	0.00
18) Naphthalene-d8	10.73	136	220723	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.56	164	184835	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.31	188	456707	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	586950	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	500327	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.38	96	41740	41.55	ng/uL	0.00
5) Phenol-d5	7.07	99	395493	94.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.25	67	306882	91.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.45	132	251632	91.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.62	113	296272	89.97	ng/ul	0.00
19) Nitrobenzene-d5	9.09	128	128648	91.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.81	143	156760	91.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.34	165	319701	89.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	302172	77.66	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	1161996	95.95	ng/ul	0.00
46) Acenaphthylene-d8	14.26	160	1400456	97.73	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	195434	96.48	ng/ul	0.02
57) Fluorene-d10	15.56	176	1097227	95.38	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.67	200	251497	92.48	ng/ul	0.01
70) Anthracene-d10	17.41	188	1888328	94.55	ng/ul	0.00
76) Pyrene-d10	19.70	212	2297138	89.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	1993759	94.10	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.41	88	45989	37.79	ng/uL	94
4) Benzaldehyde	7.07	77	382417	110.53	ng/ul	95
6) Phenol	7.10	94	415083	90.53	ng/ul	94
8) Bis(2-Chloroethyl)ether	7.35	93	306854	89.34	ng/ul	92
10) 2-Chlorophenol	7.49	128	260931	92.18	ng/ul	93
11) 2-Methylphenol	8.36	108	288339	87.69	ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	8.45	45	607912	94.18	ng/ul	95
14) Acetophenone	8.75	105	544298	90.17	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.74	70	385302	97.96	ng/ul	99
16) 4-Methylphenol	8.69	108	310951	87.77	ng/ul	96
17) Hexachloroethane	9.00	117	168993	96.80	ng/ul	93
20) Nitrobenzene	9.13	77	579100	93.56	ng/ul	97
21) Isophorone	9.66	82	911567	91.24	ng/ul	98
23) 2-Nitrophenol	9.84	139	157096	88.70	ng/ul	95
24) 2,4-Dimethylphenol	9.89	107	456941	90.48	ng/ul	97
25) Bis(2-Chloroethoxy)methane	10.13	93	444113	89.20	ng/ul	95
27) 2,4-Dichlorophenol	10.37	162	317397	90.41	ng/ul	96
28) Naphthalene	10.78	128	929536	91.22	ng/ul	97
30) 4-Chloroaniline	10.89	127	311859	78.21	ng/ul	98
31) Hexachlorobutadiene	11.05	225	301679	88.85	ng/ul	97
32) Caprolactam	11.68	113	97658m	90.45	ng/ul	
33) 4-Chloro-3-methylphenol	12.00	107	423865	93.05	ng/ul	97
34) 2-Methylnaphthalene	12.39	142	758340	91.66	ng/ul	99

SJ 1/31/17

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1/31/2017 3:39:47 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.75	216	528950	93.16	ng/ul	96
37) Hexachlorocyclopentadiene	12.72	237	396996	90.43	ng/ul	98
38) 2,4,6-Trichlorophenol	12.99	196	324743	94.75	ng/ul	95
39) 2,4,5-Trichlorophenol	13.06	196	354474	96.30	ng/ul	98
40) 1,1'-Biphenyl	13.39	154	1091163	95.51	ng/ul	95
41) 2-Chloronaphthalene	13.44	162	850416	94.62	ng/ul	97
42) 2-Nitroaniline	13.65	65	474409	106.35	ng/ul	97
44) Dimethylphthalate	14.02	163	1154546	95.37	ng/ul	97
45) 2,6-Dinitrotoluene	14.14	165	234313	101.01	ng/ul	95
47) Acenaphthylene	14.29	152	1334485	96.62	ng/ul	99
48) 3-Nitroaniline	14.47	138	195478	89.10	ng/ul	96
49) Acenaphthene	14.63	153	949769	97.80	ng/ul	96
50) 2,4-Dinitrophenol	14.67	184	171781	103.12	ng/ul	99
52) 4-Nitrophenol	14.77	109	412185	98.71	ng/ul	90
53) Dibenzofuran	14.96	168	1409579	94.38	ng/ul	99
54) 2,4-Dinitrotoluene	14.93	165	355457	99.82	ng/ul	98
55) 2,3,4,6-Tetrachlorophenol	15.18	232	358333	96.94	ng/ul	96
56) Diethylphthalate	15.38	149	1295760	98.40	ng/ul	98
58) Fluorene	15.61	166	1272583	101.98	ng/ul	97
59) 4-Chlorophenyl-phenylether	15.60	204	716539	99.15	ng/ul	96
60) 4-Nitroaniline	15.64	138	257733	105.41	ng/ul#	73
63) 4,6-Dinitro-2-methylphenol	15.69	198	264105	93.87	ng/ul	98
64) N-Nitrosodiphenylamine	15.82	169	1081083	93.59	ng/ul	99
65) 4-Bromophenyl-phenylether	16.50	248	450294	90.82	ng/ul	96
66) Hexachlorobenzene	16.60	284	489374	90.99	ng/ul	92
67) Atrazine	16.77	200	479495	90.66	ng/ul	95
68) Pentachlorophenol	16.95	266	313883	88.91	ng/ul	89
69) Phenanthrene	17.35	178	2103802	93.52	ng/ul	99
71) Anthracene	17.44	178	2180566	94.76	ng/ul	99
72) Carbazole	17.72	167	1866301	92.49	ng/ul	98
73) Di-n-butylphthalate	18.26	149	2390130	98.47	ng/ul	98
74) Fluoranthene	19.36	202	2763680	94.54	ng/ul	100
77) Pyrene	19.73	202	2887409	91.71	ng/ul	98
78) Butylbenzylphthalate	20.61	149	1154745	98.49	ng/ul	97
79) 3,3'-Dichlorobenzidine	21.40	252	978999	89.21	ng/ul#	98
80) Benzo(a)anthracene	21.46	228	2912702	92.28	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.37	149	1615443	99.18	ng/ul	97
82) Chrysene	21.52	228	2725688	92.89	ng/ul	99
84) Di-n-octyl phthalate	22.29	149	2648850	91.22	ng/ul	97
85) Benzo(b)fluoranthene	23.12	252	2704854	93.06	ng/ul	98
86) Benzo(k)fluoranthene	23.17	252	2562616	92.82	ng/ul	100
88) Benzo(a)pyrene	23.74	252	2517908	94.40	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	26.27	276	2585098	96.55	ng/ul#	98
90) Dibenzo(a,h)anthracene	26.27	278	2255013	97.31	ng/ul	99
91) Benzo(g,h,i)perylene	27.01	276	2120878	97.43	ng/ul	99

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