Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112916\
Data File : BM008106.D
Acq On : 29 Nov 2016 17:40
Operator : UM/SJ
Sample : SSTD04037
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 30 00:22:15 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 :
SSTD04037

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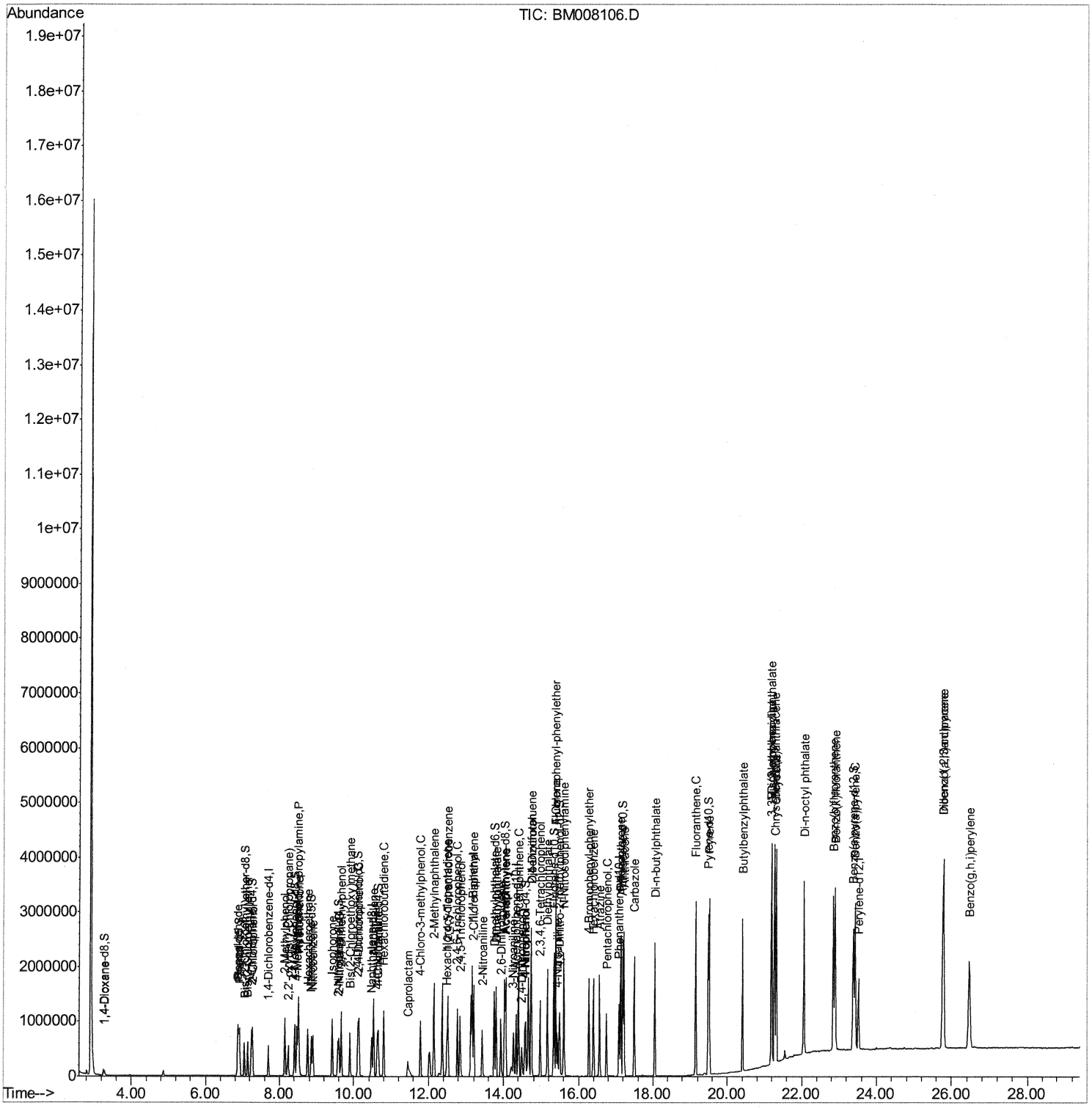

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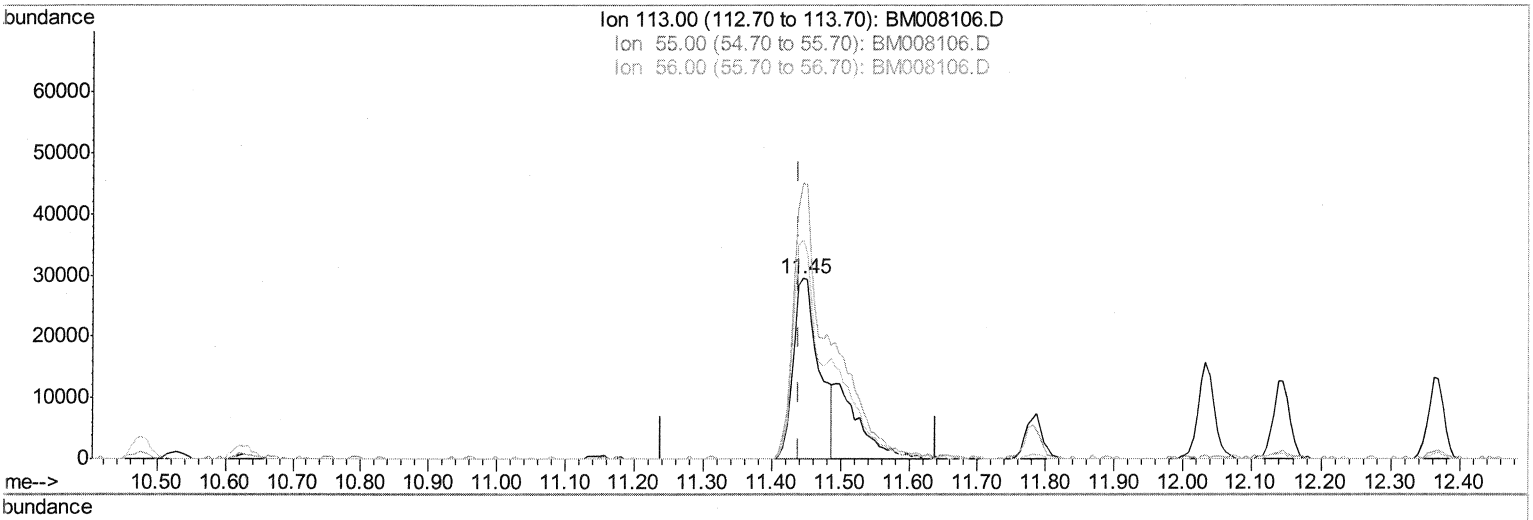

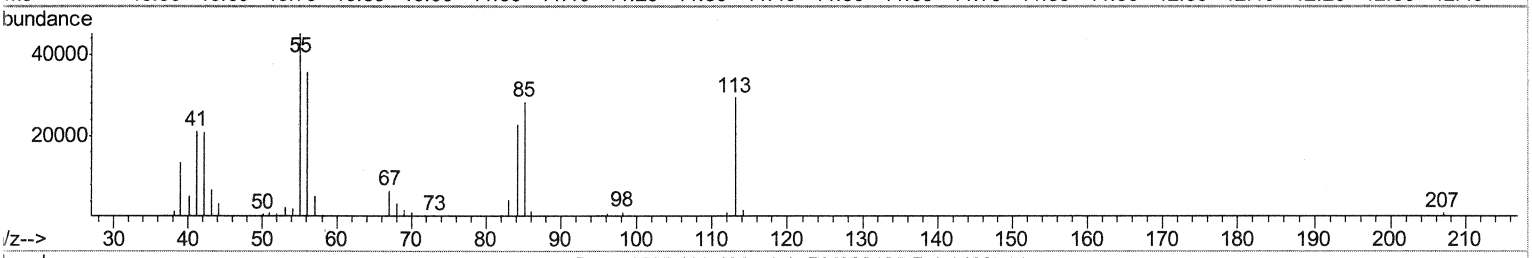

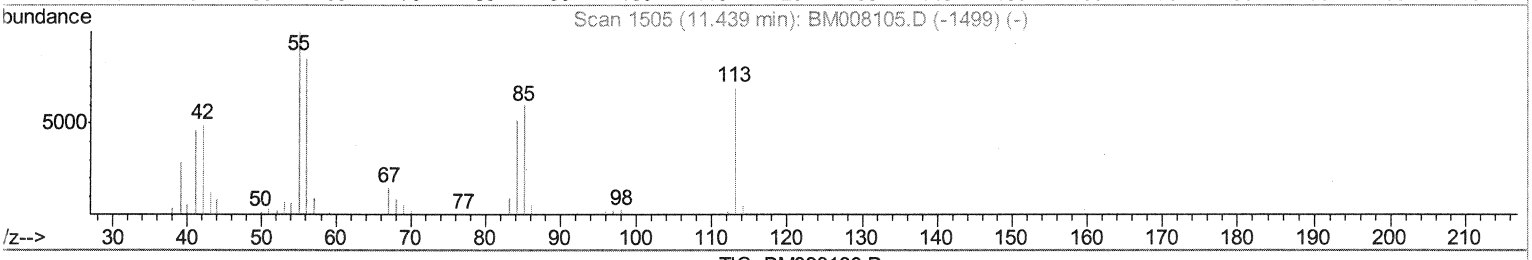

TIC: BM008106.D

(32) Caprolactam

11.445min (+0.006) 31.62ng/ul

response 76852

Ion	Exp%	Act%
113.00	100	100
55.00	146.20	153.17
56.00	122.10	120.96
0.00	0.00	0.00

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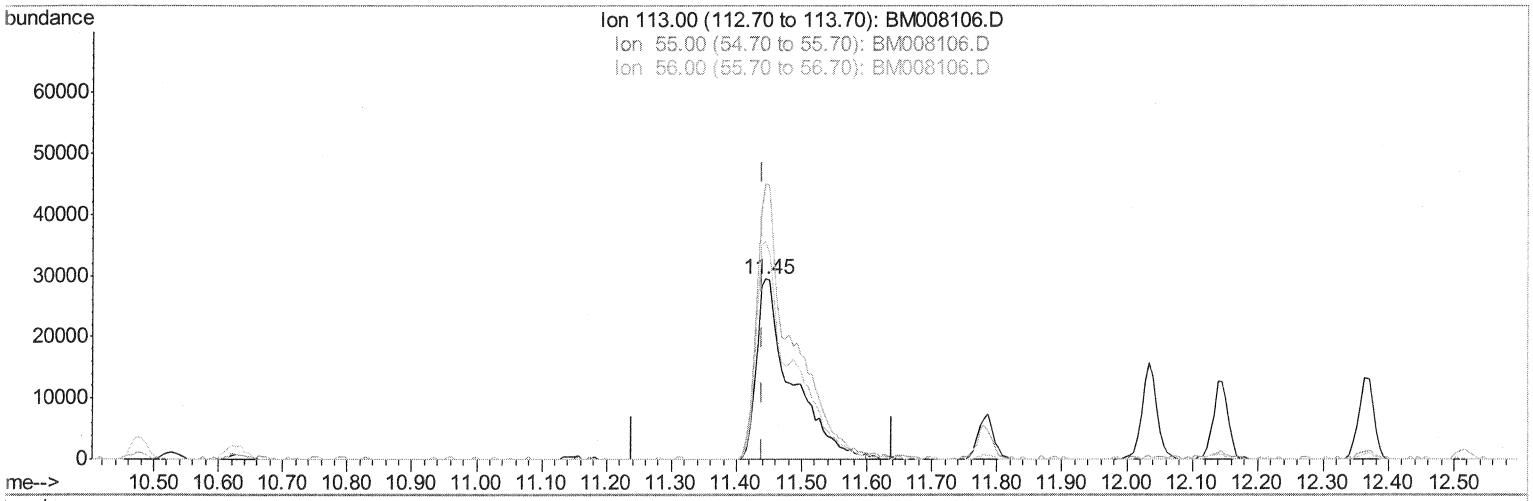

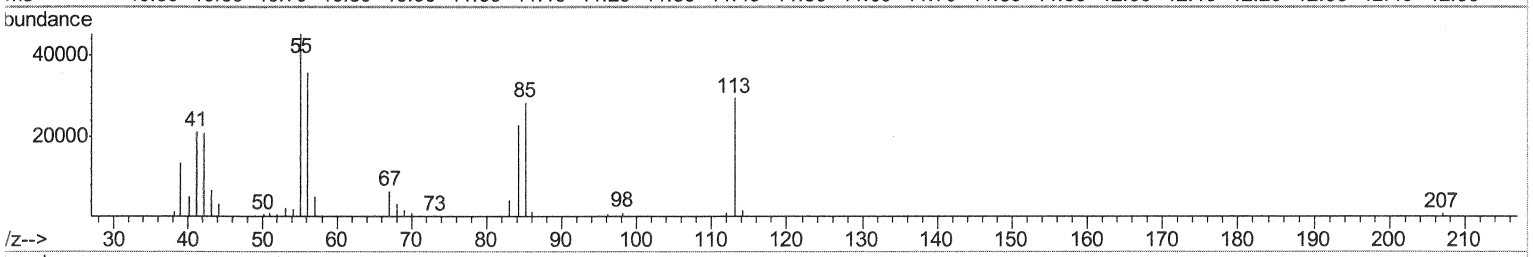

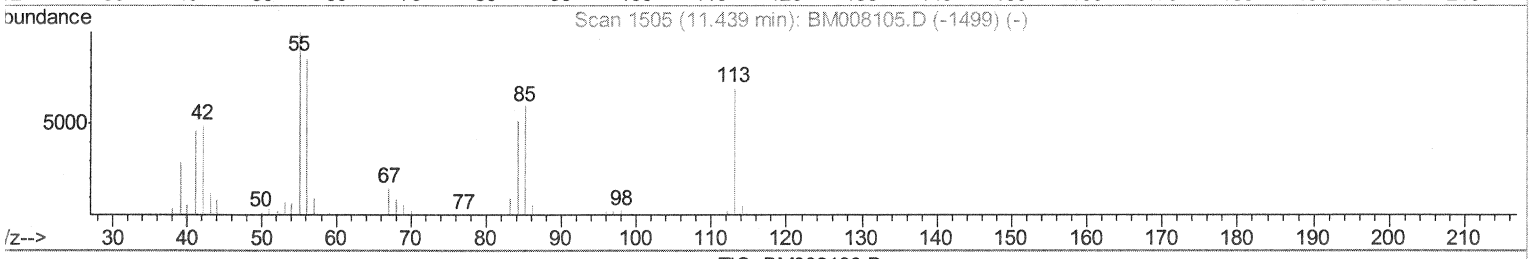

TIC: BM008106.D

(32) Caprolactam

11.445min (+0.006) 44.93ng/ul m SJ 11/30/16

response 109213

Ion	Exp%	Act%
113.00	100	100
55.00	146.20	153.17
56.00	122.10	120.96
0.00	0.00	0.00

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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	151319	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	577659	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	379461	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	762331	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	969423	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	982409	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.26	96	48809	14.18	ng/uL	0.00
5) Phenol-d5	6.89	99	458861	39.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	261735	38.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	356789	40.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	357710	39.55	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	172912	41.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	200239	44.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	362577	42.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	358689	37.95	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	1023642	39.87	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	1242998	40.19	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	166869	40.94	ng/ul	0.00
57) Fluorene-d10	15.34	176	875421	39.05	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.49	200	189201	41.49	ng/ul	0.00
70) Anthracene-d10	17.19	188	1356293	39.93	ng/ul	0.00
76) Pyrene-d10	19.49	212	1541317	39.11	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.39	264	1670671	39.31	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.29	88	58047	15.22	ng/uL	98
4) Benzaldehyde	6.86	77	327653	44.51	ng/ul	98
6) Phenol	6.91	94	464659	39.04	ng/ul	99
8) Bis(2-Chloroethyl)ether	7.13	93	355164	38.95	ng/ul	99
10) 2-Chlorophenol	7.27	128	367915	40.42	ng/ul	98
11) 2-Methylphenol	8.15	108	348727	40.11	ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	8.23	45	392806	38.79	ng/ul	97
14) Acetophenone	8.53	105	568034	39.89	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.51	70	290931	40.90	ng/ul	98
16) 4-Methylphenol	8.47	108	376504	40.24	ng/ul	99
17) Hexachloroethane	8.76	117	157418	38.95	ng/ul	92
20) Nitrobenzene	8.90	77	434669	40.97	ng/ul	97
21) Isophorone	9.42	82	785186	42.75	ng/ul	99
23) 2-Nitrophenol	9.60	139	203793	44.11	ng/ul	99
24) 2,4-Dimethylphenol	9.66	107	429016	41.11	ng/ul	97
25) Bis(2-Chloroethoxy)methane	9.90	93	454007	40.83	ng/ul	98
27) 2,4-Dichlorophenol	10.13	162	357721	42.24	ng/ul	96
28) Naphthalene	10.53	128	1106284	39.69	ng/ul	99
30) 4-Chloroaniline	10.65	127	363939	37.86	ng/ul	98
31) Hexachlorobutadiene	10.80	225	277057	40.06	ng/ul	97
32) Caprolactam	11.45	113	109213m	44.93	ng/ul	
33) 4-Chloro-3-methylphenol	11.78	107	386618	43.24	ng/ul	100
34) 2-Methylnaphthalene	12.15	142	798828	40.40	ng/ul	99

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	479392	39.32	ng/ul	100
37) Hexachlorocyclopentadiene	12.49	237	234768	34.02	ng/ul	97
38) 2,4,6-Trichlorophenol	12.77	196	292682	42.64	ng/ul	99
39) 2,4,5-Trichlorophenol	12.85	196	305513	40.73	ng/ul	99
40) 1,1'-Biphenyl	13.17	154	1037211	39.18	ng/ul	100
41) 2-Chloronaphthalene	13.21	162	803225	39.51	ng/ul	99
42) 2-Nitroaniline	13.43	65	242327	44.11	ng/ul	93
44) Dimethylphthalate	13.80	163	995796	39.83	ng/ul	99
45) 2,6-Dinitrotoluene	13.93	165	207738	43.59	ng/ul	95
47) Acenaphthylene	14.06	152	1253929	39.97	ng/ul	100
48) 3-Nitroaniline	14.27	138	191170	41.05	ng/ul	95
49) Acenaphthene	14.40	153	851309	39.30	ng/ul	97
50) 2,4-Dinitrophenol	14.49	184	130549	44.01	ng/ul	98
52) 4-Nitrophenol	14.59	109	153719	38.42	ng/ul	96
53) Dibenzofuran	14.74	168	1221986	39.47	ng/ul	99
54) 2,4-Dinitrotoluene	14.73	165	304638	44.55	ng/ul	94
55) 2,3,4,6-Tetrachlorophenol	14.97	232	288334	43.04	ng/ul	99
56) Diethylphthalate	15.17	149	1010068	40.41	ng/ul	98
58) Fluorene	15.39	166	994559	40.12	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.39	204	527475	39.89	ng/ul	98
60) 4-Nitroaniline	15.43	138	189977	39.91	ng/ul	96
63) 4,6-Dinitro-2-methylphenol	15.50	198	194194	41.18	ng/ul#	97
64) N-Nitrosodiphenylamine	15.60	169	863362	40.04	ng/ul	100
65) 4-Bromophenyl-phenylether	16.28	248	337428	39.11	ng/ul	98
66) Hexachlorobenzene	16.40	284	376360	39.42	ng/ul	96
67) Atrazine	16.56	200	343590	40.89	ng/ul	95
68) Pentachlorophenol	16.75	266	221164	40.49	ng/ul	97
69) Phenanthrene	17.13	178	1565246	39.03	ng/ul	99
71) Anthracene	17.23	178	1623827	39.76	ng/ul	99
72) Carbazole	17.50	167	1417459	40.02	ng/ul	100
73) Di-n-butylphthalate	18.06	149	1691209	42.44	ng/ul	100
74) Fluoranthene	19.16	202	1886578	40.08	ng/ul	99
77) Pyrene	19.52	202	1944706	39.21	ng/ul	99
78) Butylbenzylphthalate	20.42	149	787600	43.57	ng/ul	99
79) 3,3'-Dichlorobenzidine	21.20	252	724879	41.98	ng/ul	98
80) Benzo(a)anthracene	21.27	228	2035065	39.52	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.19	149	1161526	43.59	ng/ul	99
82) Chrysene	21.32	228	1932823	39.17	ng/ul	99
84) Di-n-octyl phthalate	22.07	149	2018868	40.16	ng/ul	99
85) Benzo(b)fluoranthene	22.86	252	2109089	38.00	ng/ul	100
86) Benzo(k)fluoranthene	22.90	252	2055272	40.22	ng/ul	99
88) Benzo(a)pyrene	23.43	252	2088016	39.88	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.78	276	2526485	40.06	ng/ul	99
90) Dibenzo(a,h)anthracene	25.79	278	2132914	40.14	ng/ul	99
91) Benzo(g,h,i)perylene	26.47	276	2092266	39.57	ng/ul	97

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