

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
 Method File : SOM02.2-EPA-BM060515.M
 Title : SVOA CALIBRATION
 Last Update : Sat Jun 06 00:57:07 2015
 Response Via : Initial Calibration

Calibration Files

5 =BM001561.D 10 =BM001562.D 20 =BM001563.D
 40 =BM001564.D 80 =BM001565.D 160 =BM001566.D

	Compound	5	10	20	40	80	160	Avg	%RSD
1) I	1,4-Dichlorobenzene-d	-----ISTD-----							
2)	1,4-Dioxane	0.508	0.450	0.412	0.410	0.417		0.439	9.44
3) S	1,4-Dioxane-d8	0.446	0.398	0.413	0.391	0.391		0.408	5.66
4)	Benzaldehyde		0.720	0.997	0.967	0.858	0.717	0.852	15.52
5) S	Phenol-d5		1.354	1.361	1.403	1.400	1.434	1.390	2.38
6)	Phenol		1.419	1.403	1.442	1.457	1.484	1.441	2.21
7) S	Bis-(2-Chloroethy		0.789	0.786	0.790	0.781	0.789	0.787	0.45
8)	Bis(2-Chloroethyl		1.095	1.064	1.094	1.083	1.107	1.089	1.47
9) S	2-Chlorophenol-d4	1.095	1.140	1.120	1.163	1.176		1.139	2.87
10)	2-Chlorophenol	1.146	1.182	1.165	1.200	1.204		1.179	2.07
11)	2-Methylphenol		1.066	1.072	1.100	1.090	1.124	1.090	2.14
12)	2,2'-oxybis(1-Chl		1.378	1.356	1.371	1.340	1.345	1.358	1.22
13) S	4-Methylphenol-d8		1.088	1.116	1.150	1.134	1.157	1.129	2.50
14)	Acetophenone		1.781	1.827	1.853	1.831	1.886	1.835	2.08
15) P	N-Nitroso-di-n-pr	0.829	0.878	0.917	0.939	0.929		0.898	5.04
16)	4-Methylphenol		1.154	1.149	1.186	1.169	1.177	1.167	1.32
17)	Hexachloroethane	0.469	0.500	0.487	0.509	0.521		0.497	4.04
18) I	Naphthalene-d8	-----ISTD-----							
19) S	Nitrobenzene-d5	0.121	0.128	0.129	0.133	0.141		0.130	5.57
20)	Nitrobenzene	0.356	0.358	0.361	0.365	0.378		0.364	2.38
21)	Isophorone	0.549	0.595	0.624	0.618	0.634		0.604	5.59
22) S	2-Nitrophenol-d4	0.129	0.139	0.148	0.154	0.166		0.147	9.58
23) C	2-Nitrophenol	0.145	0.156	0.161	0.165	0.175		0.160	6.90
24)	2,4-Dimethylpheno	0.352	0.367	0.371	0.365	0.379		0.367	2.72
25)	Bis(2-Chloroethox	0.363	0.356	0.359	0.353	0.362		0.358	1.12
26) S	2,4-Dichloropheno	0.304	0.307	0.316	0.316	0.330		0.314	3.22
27) C	2,4-Dichloropheno	0.298	0.301	0.304	0.307	0.317		0.306	2.42
28)	Naphthalene	0.966	0.948	0.943	0.930	0.964		0.950	1.58
29) S	4-Chloroaniline-d		0.252	0.370	0.346	0.328	0.286	0.316	14.96
30)	4-Chloroaniline		0.263	0.369	0.351	0.331	0.293	0.321	13.44
31) C	Hexachlorobutadie	0.251	0.249	0.249	0.249	0.261		0.252	2.04
32)	Caprolactam		0.074	0.082	0.080	0.083	0.083	0.080	4.50
33) C	4-Chloro-3-methyl	0.285	0.305	0.325	0.314	0.320		0.310	5.11
34)	2-Methylnaphthale	0.696	0.689	0.700	0.685	0.696		0.693	0.91
35) I	Acenaphthene-d10	-----ISTD-----							
36)	1,2,4,5-Tetrachlo	0.712	0.708	0.704	0.713	0.751		0.718	2.67
37)	Hexachlorocyclope		0.407	0.430	0.467	0.519	0.527	0.470	11.27
38) C	2,4,6-Trichloroph	0.403	0.410	0.423	0.433	0.458		0.425	5.06
39)	2,4,5-Trichloroph	0.428	0.448	0.467	0.466	0.483		0.459	4.60
40)	1,1'-Biphenyl	1.579	1.512	1.525	1.517	1.595		1.546	2.49
41)	2-Chloronaphthale	1.245	1.172	1.195	1.193	1.242		1.210	2.69
42)	2-Nitroaniline	0.266	0.297	0.339	0.346	0.368		0.323	12.76
43) S	Dimethylphthalate	1.354	1.346	1.420	1.349	1.393		1.372	2.37
44)	Dimethylphthalate	1.510	1.492	1.551	1.483	1.513		1.510	1.72
45)	2,6-Dinitrotoluen	0.256	0.272	0.305	0.299	0.319		0.290	8.86
46) S	Acenaphthylene-d8	1.770	1.764	1.846	1.814	1.904		1.820	3.19
47)	Acenaphthylene	1.841	1.845	1.864	1.840	1.923		1.863	1.87
48)	3-Nitroaniline		0.212	0.284	0.276	0.266	0.241	0.256	11.51
49) C	Acenaphthene	1.258	1.238	1.247	1.232	1.279		1.251	1.48
50)	2,4-Dinitrophenol		0.112	0.136	0.158	0.190	0.206	0.161	23.88
51) S	4-Nitrophenol-d4		0.209	0.235	0.235	0.252	0.256	0.237	7.84

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	Compound	5	10	20	40	80	160	Avg	%RSD
52)	4-Nitrophenol		0.238	0.266	0.271	0.286	0.286	0.269	7.28
53)	Dibenzofuran	1.820	1.769	1.798	1.736	1.795		1.784	1.82
54)	2,4-Dinitrotoluen	0.356	0.396	0.436	0.425	0.448		0.412	8.96
55)	2,3,4,6-Tetrachlo	0.384	0.390	0.409	0.407	0.426		0.403	4.11
56)	Diethylphthalate	1.407	1.428	1.528	1.462	1.494		1.464	3.35
57) S	Fluorene-d10	1.310	1.268	1.312	1.258	1.306		1.291	1.98
58)	Fluorene	1.451	1.447	1.515	1.463	1.532		1.482	2.64
59)	4-Chlorophenyl-ph	0.811	0.798	0.837	0.810	0.846		0.820	2.45
60)	4-Nitroaniline		0.229	0.306	0.288	0.292	0.260	0.275	11.07
61) I	Phenanthrene-d10	-----ISTD-----							
62) S	4,6-Dinitro-2-met		0.090	0.097	0.111	0.125	0.131	0.111	15.67
63)	4,6-Dinitro-2-met		0.094	0.105	0.115	0.132	0.136	0.117	15.28
64)	N-Nitrosodiphenyl	0.531	0.555	0.552	0.555	0.586		0.556	3.49
65)	4-Bromophenyl-phe	0.214	0.213	0.216	0.219	0.229		0.218	2.90
66)	Hexachlorobenzene	0.232	0.236	0.238	0.237	0.248		0.238	2.52
67)	Atrazine		0.212	0.227	0.225	0.237	0.234	0.227	4.32
68) C	Pentachlorophenol		0.135	0.145	0.151	0.165	0.169	0.153	9.21
69)	Phenanthrene	1.014	1.001	0.995	0.988	1.042		1.008	2.10
70) S	Anthracene-d10	0.874	0.850	0.859	0.853	0.903		0.868	2.47
71)	Anthracene	1.042	1.013	1.034	1.013	1.085		1.037	2.83
72)	Carbazole		0.868	0.883	0.864	0.923	0.919	0.891	3.12
73)	Di-n-butylphthala	0.888	0.952	1.028	1.031	1.100		1.000	8.14
74) C	Fluoranthene		1.154	1.174	1.136	1.234	1.221	1.184	3.58
75) I	Chrysene-d12	-----ISTD-----							
76) S	Pyrene-d10	0.769	0.816	0.855	0.826	0.846		0.823	4.07
77)	Pyrene	1.034	1.070	1.103	1.079	1.104		1.078	2.68
78)	Butylbenzylphthal	0.311	0.340	0.376	0.391	0.415		0.366	11.24
79)	3,3'-Dichlorobenz		0.262	0.358	0.357	0.347	0.309	0.327	12.67
80)	Benzo(a)anthracen	1.086	1.073	1.088	1.086	1.123		1.091	1.72
81)	Bis(2-ethylhexyl)	0.431	0.476	0.538	0.563	0.629		0.528	14.56
82)	Chrysene	1.039	1.006	1.013	1.004	1.045		1.021	1.89
83) I	Perylene-d12	-----ISTD-----							
84)	Di-n-octyl phthal		0.840	0.916	0.973	1.070	1.118	0.983	11.45
85)	Benzo(b)fluoranth	1.089	1.073	1.121	1.110	1.167		1.112	3.23
86)	Benzo(k)fluoranth	1.044	1.063	1.042	1.066	1.121		1.068	2.98
87) S	Benzo(a)pyrene-d1	0.797	0.800	0.815	0.833	0.874		0.824	3.80
88) C	Benzo(a)pyrene	1.044	1.043	1.055	1.066	1.119		1.065	2.93
89)	Indeno(1,2,3-cd)p	1.193	1.193	1.211	1.241	1.304		1.228	3.78
90)	Dibenzo(a,h)anthr	1.024	1.010	1.027	1.049	1.110		1.044	3.80
91)	Benzo(g,h,i)peryl	0.999	0.988	1.000	1.023	1.061		1.014	2.84

(#) = Out of Range