

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : SOM02.2-EPA-BG061915.M
 Title : SVOA CALIBRATION
 Last Update : Fri Jun 19 17:30:37 2015
 Response Via : Initial Calibration

Calibration Files

5 =BG017726.D 10 =BG017727.D 20 =BG017728.D 40 =BG017729.D 80 =BG017730.D
 160 =BG017731.D

	Compound		5	10	20	40	80	160	Avg	%RSD

1) I	1,4-Dichlorobenzen...									
-----ISTD-----										
2)	1,4-Dioxane	0.892	0.497	0.486	0.493	0.450		0.564	32.72	
3) S	1,4-Dioxane-d8	0.491	0.421	0.444	0.436	0.446		0.448	5.85	
4)	Benzaldehyde		1.199	1.204	1.084	0.993	0.740	1.044	18.30	
5) S	Phenol-d5		1.625	1.658	1.675	1.798	1.908	1.733	6.80	
6)	Phenol		1.804	1.768	1.796	1.886	1.985	1.848	4.78	
7) S	Bis-(2-Chloroe...		0.938	0.991	0.981	1.024	1.083	1.003	5.38	
8)	Bis(2-Chloroet...		1.314	1.312	1.324	1.380	1.442	1.354	4.15	
9) S	2-Chlorophenol-d4	1.511	1.370	1.377	1.381	1.481		1.424	4.68	
10)	2-Chlorophenol	1.524	1.400	1.384	1.364	1.457		1.426	4.56	
11)	2-Methylphenol		1.317	1.373	1.317	1.442	1.543	1.398	6.86	
12)	2,2'-oxybis(1-...		2.110	2.090	2.036	2.111	2.173	2.104	2.33	
13) S	4-Methylphenol-d8		1.332	1.352	1.379	1.492	1.592	1.429	7.70	
14)	Acetophenone		2.121	2.055	2.039	2.128	2.229	2.114	3.55	
15) P	N-Nitroso-di-n...	1.344	1.224	1.245	1.229	1.295		1.267	4.03	
16)	4-Methylphenol		1.459	1.498	1.502	1.587	1.707	1.551	6.40	
17)	Hexachloroethane	0.645	0.623	0.583	0.586	0.598		0.607	4.37	
18) I	Naphthalene-d8									
-----ISTD-----										
19) S	Nitrobenzene-d5	0.170	0.151	0.143	0.152	0.153		0.154	6.30	
20)	Nitrobenzene	0.408	0.375	0.360	0.370	0.373		0.377	4.84	
21)	Isophorone	0.741	0.705	0.688	0.708	0.711		0.711	2.72	
22) S	2-Nitrophenol-d4	0.157	0.155	0.148	0.161	0.167		0.158	4.53	
23) C	2-Nitrophenol	0.174	0.165	0.160	0.172	0.179		0.170	4.41	
24)	2,4-Dimethylph...	0.387	0.350	0.358	0.359	0.369		0.365	3.95	
25)	Bis(2-Chloroet...	0.422	0.376	0.375	0.390	0.388		0.390	4.88	
26) S	2,4-Dichloroph...	0.310	0.278	0.274	0.290	0.292		0.289	4.95	
27) C	2,4-Dichloroph...	0.298	0.273	0.264	0.278	0.289		0.280	4.71	
28)	Naphthalene	1.160	1.051	0.972	1.006	0.973		1.033	7.58	
29) S	4-Chloroanilin...		0.413	0.427	0.422	0.381	0.326	0.394	10.60	
30)	4-Chloroaniline		0.411	0.415	0.406	0.380	0.322	0.387	10.06	
31) C	Hexachlorobuta...	0.173	0.168	0.159	0.162	0.161		0.165	3.54	
32)	Caprolactam		0.124	0.134	0.145	0.150	0.152	0.141	8.39	
33) C	4-Chloro-3-met...	0.352	0.326	0.331	0.337	0.346		0.338	3.06	
34)	2-Methylnaphth...	0.799	0.731	0.697	0.711	0.706		0.729	5.60	
35) I	Acenaphthene-d10									
-----ISTD-----										
36)	1,2,4,5-Tetrac...	0.562	0.509	0.502	0.516	0.517		0.521	4.54	
37)	Hexachlorocycl...		0.304	0.311	0.320	0.331	0.349	0.323	5.51	
38) C	2,4,6-Trichlor...	0.362	0.321	0.316	0.335	0.344		0.335	5.48	
39)	2,4,5-Trichlor...	0.398	0.364	0.351	0.373	0.383		0.374	4.75	
40)	1,1'-Biphenyl	1.623	1.527	1.437	1.441	1.405		1.487	5.98	
41)	2-Chloronaphth...	1.275	1.127	1.098	1.112	1.097		1.142	6.64	
42)	2-Nitroaniline	0.384	0.351	0.352	0.368	0.385		0.368	4.37	
43) S	Dimethylphthal...	1.505	1.357	1.304	1.336	1.302		1.361	6.16	
44)	Dimethylphthalate	1.600	1.523	1.434	1.443	1.409		1.482	5.29	
45)	2,6-Dinitrotol...	0.298	0.277	0.283	0.304	0.322		0.297	5.99	
46) S	Acenaphthylene-d8	1.932	1.808	1.735	1.760	1.705		1.788	4.98	
47)	Acenaphthylene	2.146	1.942	1.877	1.905	1.802		1.934	6.66	
48)	3-Nitroaniline		0.299	0.326	0.328	0.326	0.333	0.322	4.24	
49) C	Acenaphthene	1.465	1.287	1.240	1.271	1.242		1.301	7.22	
50)	2,4-Dinitrophenol		0.099	0.114	0.132	0.159	0.193	0.139	26.93	
51) S	4-Nitrophenol-d4		0.260	0.265	0.295	0.308	0.335	0.293	10.73	

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52)	4-Nitrophenol	0.204	0.216	0.227	0.240	0.251	0.228	8.25
53)	Dibenzofuran	2.003	1.741	1.680	1.709	1.666	1.760	7.91
54)	2,4-Dinitrotol...	0.405	0.369	0.395	0.425	0.453	0.409	7.68
55)	2,3,4,6-Tetrac...	0.305	0.281	0.281	0.307	0.327	0.300	6.50
56)	Diethylphthalate	1.735	1.621	1.550	1.570	1.553	1.606	4.85
57) S	Fluorene-d10	1.461	1.331	1.273	1.311	1.294	1.334	5.58
58)	Fluorene	1.724	1.538	1.490	1.510	1.484	1.549	6.45
59)	4-Chlorophenyl...	0.798	0.737	0.684	0.715	0.720	0.731	5.77
60)	4-Nitroaniline	0.346	0.367	0.375	0.382	0.421	0.378	7.25

61) I	Phenanthrene-d10	-----ISTD-----						
62) S	4,6-Dinitro-2-...	0.083	0.090	0.101	0.117	0.140	0.106	21.54
63)	4,6-Dinitro-2-...	0.084	0.098	0.107	0.126	0.148	0.113	22.04
64)	N-Nitrosodiphe...	0.658	0.616	0.587	0.605	0.600	0.613	4.45
65)	4-Bromophenyl-...	0.212	0.195	0.190	0.193	0.203	0.199	4.38
66)	Hexachlorobenzene	0.225	0.209	0.197	0.205	0.211	0.209	5.00
67)	Atrazine	0.235	0.223	0.228	0.235	0.232	0.231	2.18
68) C	Pentachlorophenol	0.091	0.103	0.116	0.132	0.149	0.118	19.40
69)	Phenanthrene	1.256	1.133	1.054	1.066	1.015	1.105	8.57
70) S	Anthracene-d10	1.023	0.908	0.896	0.907	0.879	0.923	6.19
71)	Anthracene	1.286	1.159	1.102	1.094	1.036	1.136	8.36
72)	1,2,3,4-Tetrac...	0.274	0.232	0.227	0.237	0.240	0.242	7.72
73)	Pentachloroben...	0.262	0.243	0.231	0.236	0.245	0.243	4.87
74)	Carbazole	1.086	1.032	1.045	0.986	0.848	0.999	9.20
75)	Di-n-butylphth...	1.490	1.425	1.371	1.354	1.214	1.371	7.48
76) C	Fluoranthene	1.272	1.212	1.199	1.099	0.891	1.135	13.18

77) I	Chrysene-d12	-----ISTD-----						
78) S	Pyrene-d10	1.106	1.005	0.943	0.953	0.915	0.984	7.66
79)	Pyrene	1.409	1.354	1.246	1.213	1.105	1.265	9.47
80)	Butylbenzylpht...	0.626	0.593	0.569	0.582	0.575	0.589	3.86
81)	3,3'-Dichlorob...	0.347	0.366	0.381	0.354	0.344	0.358	4.30
82)	Benzo(a)anthra...	1.263	1.156	1.082	1.098	1.025	1.125	8.01
83)	Bis(2-ethylhex...	0.896	0.851	0.801	0.816	0.784	0.830	5.36
84)	Chrysene	1.197	1.100	1.032	1.027	0.964	1.064	8.33

85) I	Perylene-d12	-----ISTD-----						
86)	Di-n-octyl pht...	1.463	1.387	1.420	1.280	0.998	1.310	14.28
87)	Benzo(b)fluora...	1.239	1.164	1.092	1.131	1.070	1.139	5.83
88)	Benzo(k)fluora...	1.212	1.097	1.069	1.066	1.059	1.100	5.81
89) S	Benzo(a)pyrene...	0.961	0.879	0.844	0.883	0.877	0.889	4.89
90) C	Benzo(a)pyrene	1.180	1.100	1.060	1.087	1.046	1.095	4.81
91)	Indeno(1,2,3-c...	1.312	1.190	1.144	1.190	1.191	1.206	5.24
92)	Dibenzo(a,h)an...	1.147	1.017	0.977	1.015	1.025	1.036	6.25
93)	Benzo(g,h,i)pe...	1.083	0.996	0.954	0.992	0.986	1.002	4.78

(#) = Out of Range