

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
 Method File : SOM02.2-EPA-BM071315.M
 Title : SVOA CALIBRATION
 Last Update : Tue Jul 14 01:40:28 2015
 Response Via : Initial Calibration

Calibration Files

5 =BM001898.D 10 =BM001899.D 20 =BM001900.D
 40 =BM001901.D 80 =BM001902.D 160 =BM001903.D

	Compound	5	10	20	40	80	160	Avg	%RSD
1) I	1,4-Dichlorobenzene-d	-----ISTD-----							
2)	1,4-Dioxane	0.470	0.416	0.425	0.425	0.421		0.431	5.08
3) S	1,4-Dioxane-d8	0.408	0.407	0.415	0.407	0.407		0.409	0.88
4)	Benzaldehyde		0.961	0.667	1.037	0.859	0.421	0.789	31.47
5) S	Phenol-d5		1.519	1.579	1.687	1.707	1.674	1.633	4.94
6)	Phenol		1.588	1.631	1.729	1.756	1.726	1.686	4.29
7) S	Bis-(2-Chloroethy		0.856	0.896	0.920	0.908	0.869	0.890	2.96
8)	Bis(2-Chloroethyl		1.193	1.243	1.292	1.268	1.215	1.242	3.19
9) S	2-Chlorophenol-d4	1.271	1.222	1.279	1.343	1.368		1.296	4.51
10)	2-Chlorophenol	1.275	1.250	1.296	1.369	1.389		1.316	4.58
11)	2-Methylphenol		1.197	1.253	1.334	1.319	1.316	1.284	4.49
12)	2,2'-oxybis(1-Chl		1.407	1.454	1.505	1.483	1.404	1.451	3.10
13) S	4-Methylphenol-d8		1.254	1.321	1.392	1.376	1.362	1.341	4.11
14)	Acetophenone		2.059	2.096	2.188	2.150	2.101	2.119	2.38
15) P	N-Nitroso-di-n-pr	1.069	1.058	1.096	1.123	1.093		1.088	2.34
16)	4-Methylphenol		1.326	1.376	1.463	1.440	1.421	1.405	3.88
17)	Hexachloroethane	0.528	0.508	0.513	0.537	0.542		0.525	2.76
18) I	Naphthalene-d8	-----ISTD-----							
19) S	Nitrobenzene-d5	0.140	0.143	0.146	0.158	0.160		0.149	6.05
20)	Nitrobenzene	0.364	0.355	0.361	0.377	0.382		0.368	3.08
21)	Isophorone	0.688	0.668	0.677	0.702	0.702		0.687	2.17
22) S	2-Nitrophenol-d4	0.148	0.156	0.163	0.177	0.184		0.166	8.95
23) C	2-Nitrophenol	0.166	0.171	0.180	0.190	0.196		0.180	6.99
24)	2,4-Dimethylpheno	0.373	0.371	0.375	0.396	0.402		0.383	3.78
25)	Bis(2-Chloroethox	0.425	0.408	0.399	0.415	0.415		0.412	2.31
26) S	2,4-Dichloropheno	0.312	0.323	0.329	0.349	0.359		0.335	5.74
27) C	2,4-Dichloropheno	0.320	0.314	0.319	0.338	0.342		0.327	3.82
28)	Naphthalene	1.031	0.988	0.974	1.022	1.034		1.010	2.69
29) S	4-Chloroaniline-d		0.408	0.354	0.400	0.350	0.210	0.344	23.15
30)	4-Chloroaniline		0.426	0.363	0.409	0.361	0.220	0.356	22.76
31) C	Hexachlorobutadie	0.239	0.226	0.225	0.237	0.244		0.234	3.62
32)	Caprolactam		0.153	0.153	0.160	0.155	0.151	0.154	2.26
33) C	4-Chloro-3-methyl	0.358	0.350	0.351	0.369	0.365		0.358	2.38
34)	2-Methylnaphthale	0.764	0.736	0.735	0.761	0.763		0.752	1.98
35) I	Acenaphthene-d10	-----ISTD-----							
36)	1,2,4,5-Tetrachlo	0.703	0.694	0.685	0.736	0.754		0.714	4.09
37)	Hexachlorocyclope		0.345	0.386	0.427	0.468	0.427	0.410	11.34
38) C	2,4,6-Trichloroph	0.423	0.428	0.436	0.467	0.480		0.447	5.63
39)	2,4,5-Trichloroph	0.460	0.469	0.477	0.508	0.521		0.487	5.37
40)	1,1'-Biphenyl	1.621	1.577	1.553	1.618	1.659		1.605	2.56
41)	2-Chloronaphthale	1.256	1.222	1.212	1.267	1.295		1.250	2.71
42)	2-Nitroaniline	0.327	0.336	0.349	0.371	0.378		0.352	6.29
43) S	Dimethylphthalate	1.641	1.597	1.576	1.623	1.629		1.613	1.63
44)	Dimethylphthalate	1.686	1.626	1.599	1.641	1.651		1.641	1.96
45)	2,6-Dinitrotoluen	0.309	0.330	0.334	0.353	0.363		0.338	6.11
46) S	Acenaphthylene-d8	1.945	1.910	1.873	1.969	2.002		1.940	2.59
47)	Acenaphthylene	1.974	1.960	1.922	2.006	2.036		1.979	2.20
48)	3-Nitroaniline		0.316	0.284	0.331	0.311	0.250	0.299	10.75
49) C	Acenaphthene	1.365	1.319	1.276	1.324	1.352		1.327	2.58
50)	2,4-Dinitrophenol		0.155	0.187	0.216	0.231	0.229	0.204	15.85
51) S	4-Nitrophenol-d4		0.255	0.268	0.283	0.287	0.272	0.273	4.66

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	Compound	5	10	20	40	80	160	Avg	%RSD
52)	4-Nitrophenol		0.239	0.246	0.260	0.265	0.248	0.252	4.21
53)	Dibenzofuran	1.977	1.886	1.839	1.907	1.926		1.907	2.67
54)	2,4-Dinitrotoluen	0.464	0.481	0.484	0.510	0.513		0.490	4.27
55)	2,3,4,6-Tetrachlo	0.408	0.412	0.424	0.451	0.458		0.431	5.28
56)	Diethylphthalate	1.666	1.611	1.589	1.627	1.638		1.626	1.78
57) S	Fluorene-d10	1.418	1.364	1.336	1.382	1.390		1.378	2.21
58)	Fluorene	1.638	1.565	1.548	1.606	1.638		1.599	2.58
59)	4-Chlorophenyl-ph	0.902	0.852	0.831	0.869	0.878		0.866	3.07
60)	4-Nitroaniline		0.326	0.295	0.327	0.316	0.308	0.314	4.28
61) I	Phenanthrene-d10	-----ISTD-----							
62) S	4,6-Dinitro-2-met		0.112	0.122	0.136	0.143	0.135	0.130	9.64
63)	4,6-Dinitro-2-met		0.119	0.128	0.145	0.152	0.142	0.137	9.59
64)	N-Nitrosodiphenyl	0.595	0.573	0.576	0.609	0.634		0.598	4.18
65)	4-Bromophenyl-phe	0.223	0.220	0.223	0.234	0.243		0.229	4.23
66)	Hexachlorobenzene	0.255	0.247	0.241	0.256	0.267		0.253	3.87
67)	Atrazine		0.234	0.234	0.249	0.250	0.212	0.236	6.46
68) C	Pentachlorophenol		0.137	0.148	0.161	0.172	0.163	0.156	8.83
69)	Phenanthrene	1.110	1.062	1.034	1.101	1.111		1.084	3.16
70) S	Anthracene-d10	0.948	0.928	0.899	0.950	0.969		0.939	2.85
71)	Anthracene	1.124	1.103	1.074	1.133	1.155		1.118	2.74
72)	1,2,3,4-Tetrachlo	0.295	0.291	0.291	0.319	0.336		0.306	6.63
73)	Pentachlorobenzen	0.294	0.293	0.284	0.304	0.316		0.298	4.14
74)	Carbazole		0.960	0.938	1.002	0.997	0.919	0.963	3.74
75)	Di-n-butylphthala	1.124	1.117	1.134	1.210	1.227		1.162	4.49
76) C	Fluoranthene		1.267	1.238	1.324	1.290	1.213	1.266	3.45
77) I	Chrysene-d12	-----ISTD-----							
78) S	Pyrene-d10	0.882	0.852	0.887	0.914	1.033		0.914	7.70
79)	Pyrene	1.152	1.125	1.158	1.207	1.341		1.197	7.18
80)	Butylbenzylphthal	0.408	0.421	0.450	0.478	0.517		0.455	9.63
81)	3,3'-Dichlorobenz		0.388	0.350	0.414	0.382	0.321	0.371	9.79
82)	Benzo(a)anthracen	1.206	1.162	1.154	1.212	1.217		1.190	2.52
83)	Bis(2-ethylhexyl)	0.620	0.630	0.645	0.702	0.738		0.667	7.64
84)	Chrysene	1.134	1.085	1.086	1.132	1.136		1.115	2.40
85) I	Perylene-d12	-----ISTD-----							
86)	Di-n-octyl phthal		1.088	1.196	1.293	1.403	1.246	1.245	9.35
87)	Benzo(b)fluoranth	1.209	1.172	1.188	1.278	1.281		1.226	4.16
88)	Benzo(k)fluoranth	1.157	1.109	1.165	1.205	1.257		1.178	4.71
89) S	Benzo(a)pyrene-d1	0.994	0.967	0.985	1.050	1.061		1.011	4.10
90) C	Benzo(a)pyrene	1.140	1.117	1.116	1.188	1.197		1.152	3.38
91)	Indeno(1,2,3-cd)p	1.228	1.218	1.125	1.196	1.277		1.209	4.60
92)	Dibenzo(a,h)anthr	1.030	1.023	0.953	1.018	1.088		1.022	4.68
93)	Benzo(g,h,i)peryl	1.023	1.001	0.918	0.974	1.052		0.993	5.11

(#) = Out of Range