

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
 Method File : SOM02.2-EPA-BM041416.M
 Title : SVOA CALIBRATION
 Last Update : Fri Apr 15 00:36:20 2016
 Response Via : Initial Calibration

Calibration Files

5 =BM004947.D 10 =BM004948.D 20 =BM004949.D
 40 =BM004950.D 80 =BM004951.D 160 =BM004952.D

	Compound	5	10	20	40	80	160	Avg	%RSD
1) I	1,4-Dichlorobenzene-d	-----ISTD-----							
2)	1,4-Dioxane	0.661	0.669	0.696	0.730	0.651		0.681	4.67
3) S	1,4-Dioxane-d8	0.336	0.381	0.384	0.402	0.364		0.373	6.65
4)	Benzaldehyde		0.964	1.006	0.886	0.710	0.516	0.816	24.84
5) S	Phenol-d5		1.435	1.532	1.493	1.397	1.281	1.428	6.78
6)	Phenol		1.515	1.590	1.555	1.424	1.304	1.478	7.79
7) S	Bis-(2-Chloroethy		0.864	0.882	0.843	0.790	0.714	0.819	8.25
8)	Bis(2-Chloroethyl		1.203	1.242	1.189	1.130	1.011	1.155	7.80
9) S	2-Chlorophenol-d4	1.185	1.168	1.215	1.215	1.181		1.193	1.77
10)	2-Chlorophenol	1.234	1.198	1.260	1.250	1.189		1.226	2.57
11)	2-Methylphenol		1.172	1.244	1.198	1.155	1.037	1.161	6.63
12)	2,2'-oxybis(1-Chl		1.511	1.557	1.450	1.408	1.242	1.434	8.45
13) S	4-Methylphenol-d8		1.192	1.262	1.206	1.176	1.062	1.179	6.21
14)	Acetophenone		1.950	1.990	1.828	1.615	1.442	1.765	13.16
15) P	N-Nitroso-di-n-pr	1.023	0.963	0.991	0.887	0.790		0.931	10.05
16)	4-Methylphenol		1.303	1.371	1.294	1.216	1.098	1.257	8.29
17)	Hexachloroethane	0.486	0.471	0.484	0.489	0.473		0.481	1.66
18) I	Naphthalene-d8	-----ISTD-----							
19) S	Nitrobenzene-d5	0.130	0.125	0.135	0.137	0.135		0.132	3.63
20)	Nitrobenzene	0.310	0.301	0.316	0.316	0.302		0.309	2.36
21)	Isophorone	0.613	0.580	0.606	0.584	0.552		0.587	4.11
22) S	2-Nitrophenol-d4	0.143	0.140	0.153	0.155	0.154		0.149	4.75
23) C	2-Nitrophenol	0.155	0.150	0.165	0.162	0.156		0.158	3.71
24)	2,4-Dimethylpheno	0.320	0.312	0.335	0.324	0.299		0.318	4.22
25)	Bis(2-Chloroethox	0.393	0.370	0.375	0.361	0.344		0.369	4.91
26) S	2,4-Dichloropheno	0.278	0.260	0.277	0.275	0.263		0.271	3.09
27) C	2,4-Dichloropheno	0.279	0.264	0.280	0.278	0.263		0.273	3.14
28)	Naphthalene	0.940	0.886	0.915	0.892	0.823		0.891	4.90
29) S	4-Chloroaniline-d		0.288	0.362	0.345	0.291	0.239	0.305	16.17
30)	4-Chloroaniline		0.299	0.365	0.347	0.291	0.240	0.308	16.02
31) C	Hexachlorobutadie	0.184	0.173	0.178	0.175	0.170		0.176	2.91
32)	Caprolactam		0.077	0.085	0.091	0.081	0.085	0.084	6.39
33) C	4-Chloro-3-methyl	0.317	0.295	0.310	0.302	0.280		0.301	4.65
34)	2-Methylnaphthale	0.700	0.656	0.677	0.637	0.576		0.649	7.24
35) I	Acenaphthene-d10	-----ISTD-----							
36)	1,2,4,5-Tetrachlo	0.560	0.565	0.592	0.574	0.565		0.571	2.23
37)	Hexachlorocyclope		0.239	0.292	0.323	0.348	0.326	0.306	13.86
38) C	2,4,6-Trichloroph	0.374	0.355	0.387	0.384	0.379		0.376	3.32
39)	2,4,5-Trichloroph	0.396	0.386	0.415	0.422	0.409		0.406	3.66
40)	1,1'-Biphenyl	1.471	1.430	1.482	1.432	1.358		1.435	3.39
41)	2-Chloronaphthale	1.108	1.076	1.122	1.093	1.058		1.091	2.33
42)	2-Nitroaniline	0.297	0.284	0.316	0.326	0.313		0.307	5.51
43) S	Dimethylphthalate	1.450	1.348	1.388	1.364	1.252		1.360	5.28
44)	Dimethylphthalate	1.437	1.357	1.388	1.348	1.241		1.354	5.35
45)	2,6-Dinitrotoluen	0.252	0.253	0.280	0.286	0.277		0.270	5.87
46) S	Acenaphthylene-d8	1.703	1.658	1.729	1.679	1.573		1.668	3.57
47)	Acenaphthylene	1.867	1.775	1.843	1.762	1.611		1.772	5.66
48)	3-Nitroaniline		0.249	0.293	0.309	0.263	0.249	0.273	9.93
49) C	Acenaphthene	1.225	1.164	1.190	1.143	1.044		1.153	5.93
50)	2,4-Dinitrophenol		0.056	0.088	0.142	0.140	0.171	0.119	38.74
51) S	4-Nitrophenol-d4		0.201	0.226	0.263	0.232	0.238	0.232	9.72

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	Compound	5	10	20	40	80	160	Avg	%RSD
52)	4-Nitrophenol		0.173	0.192	0.219	0.193	0.201	0.196	8.55
53)	Dibenzofuran	1.775	1.689	1.718	1.655	1.508		1.669	6.00
54)	2,4-Dinitrotoluen	0.368	0.362	0.393	0.417	0.378		0.384	5.78
55)	2,3,4,6-Tetrachlo	0.335	0.318	0.339	0.354	0.322		0.334	4.32
56)	Diethylphthalate	1.434	1.308	1.345	1.344	1.200		1.326	6.37
57) S	Fluorene-d10	1.271	1.197	1.196	1.169	1.043		1.175	7.06
58)	Fluorene	1.433	1.340	1.327	1.266	1.053		1.284	11.08
59)	4-Chlorophenyl-ph	0.715	0.668	0.672	0.628	0.534		0.643	10.69
60)	4-Nitroaniline		0.251	0.280	0.315	0.277	0.292	0.283	8.23
61) I	Phenanthrene-d10	-----ISTD-----							
62) S	4,6-Dinitro-2-met		0.061	0.080	0.097	0.098	0.097	0.087	18.75
63)	4,6-Dinitro-2-met		0.064	0.085	0.103	0.101	0.099	0.090	18.36
64)	N-Nitrosodiphenyl	0.545	0.526	0.540	0.497	0.474		0.516	5.87
65)	4-Bromophenyl-phe	0.191	0.186	0.192	0.177	0.173		0.184	4.66
66)	Hexachlorobenzene	0.218	0.204	0.212	0.202	0.194		0.206	4.52
67)	Atrazine		0.173	0.185	0.187	0.172	0.156	0.175	7.16
68) C	Pentachlorophenol		0.094	0.111	0.123	0.120	0.117	0.113	10.21
69)	Phenanthrene	1.001	0.946	0.961	0.921	0.838		0.933	6.51
70) S	Anthracene-d10	0.854	0.799	0.821	0.783	0.716		0.795	6.48
71)	Anthracene	1.010	0.958	0.979	0.933	0.841		0.944	6.79
72)	Carbazole		0.824	0.848	0.864	0.760	0.679	0.795	9.56
73)	Di-n-butylphthala	1.044	0.907	0.962	0.985	0.888		0.957	6.56
74) C	Fluoranthene		0.990	1.029	1.066	0.912	0.810	0.961	10.63
75) I	Chrysene-d12	-----ISTD-----							
76) S	Pyrene-d10	0.911	0.842	0.857	0.793	0.764		0.833	6.88
77)	Pyrene	1.163	1.087	1.088	0.994	0.955		1.057	7.84
78)	Butylbenzylphthal	0.414	0.388	0.413	0.420	0.410		0.409	3.02
79)	3,3'-Dichlorobenz		0.298	0.334	0.317	0.271	0.246	0.293	11.97
80)	Benzo(a)anthracen	1.052	0.972	0.996	0.983	0.924		0.985	4.68
81)	Bis(2-ethylhexyl)	0.575	0.539	0.567	0.577	0.539		0.559	3.37
82)	Chrysene	0.999	0.931	0.941	0.930	0.867		0.934	5.03
83) I	Perylene-d12	-----ISTD-----							
84)	Di-n-octyl phthal		0.940	1.014	1.031	0.957	0.856	0.960	7.22
85)	Benzo(b)fluoranth	1.047	0.968	1.004	1.008	0.934		0.992	4.33
86)	Benzo(k)fluoranth	1.014	0.948	0.992	0.956	0.874		0.957	5.61
87) S	Benzo(a)pyrene-d1	0.799	0.758	0.786	0.779	0.729		0.770	3.55
88) C	Benzo(a)pyrene	0.990	0.941	0.978	0.952	0.890		0.950	4.08
89)	Indeno(1,2,3-cd)p	1.083	1.037	1.090	1.063	1.014		1.057	3.00
90)	Dibenzo(a,h)anthr	0.905	0.870	0.919	0.893	0.839		0.885	3.54
91)	Benzo(g,h,i)peryl	0.895	0.861	0.908	0.905	0.882		0.890	2.17

(#) = Out of Range