

Method Path : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\
 Method File : SOM02.2-EPA-BM121316MA.M
 Title : SVOA CALIBRATION
 Last Update : Wed Dec 14 02:14:07 2016
 Response Via : Initial Calibration

Calibration Files

5 =BM008272.D 10 =BM008273.D 20 =BM008278.D
 40 =BM008275.D 80 =BM008276.D 160 =BM008277.D

	Compound	5	10	20	40	80	160	Avg	%RSD
1) I	1,4-Dichlorobenzene-d	-----ISTD-----							
2)	1,4-Dioxane	0.549	0.479	0.578	0.488	0.487		0.516	8.64
3) S	1,4-Dioxane-d8	0.391	0.410	0.458	0.432	0.434		0.425	5.96
4)	Benzaldehyde		1.055	1.203	1.144	1.035	0.694	1.026	19.25
5) S	Phenol-d5		1.326	1.587	1.537	1.596	1.590	1.527	7.52
6)	Phenol		1.415	1.655	1.597	1.660	1.634	1.592	6.43
7) S	Bis-(2-Chloroethy		0.841	0.950	0.895	0.901	0.874	0.892	4.48
8)	Bis(2-Chloroethyl		1.137	1.303	1.192	1.220	1.191	1.209	5.03
9) S	2-Chlorophenol-d4	1.020	1.071	1.249	1.198	1.243		1.156	9.04
10)	2-Chlorophenol	1.035	1.083	1.297	1.201	1.261		1.176	9.60
11)	2-Methylphenol		1.025	1.229	1.162	1.211	1.215	1.168	7.17
12)	2,2'-oxybis(1-Chl		1.311	1.461	1.373	1.370	1.309	1.365	4.54
13) S	4-Methylphenol-d8		1.071	1.234	1.190	1.248	1.238	1.196	6.15
14)	Acetophenone		1.800	2.015	1.912	1.998	1.975	1.940	4.51
15) P	N-Nitroso-di-n-pr	0.943	0.945	1.063	0.999	1.026		0.995	5.26
16)	4-Methylphenol		1.138	1.320	1.261	1.300	1.296	1.263	5.78
17)	Hexachloroethane	0.503	0.522	0.576	0.540	0.545		0.537	5.03
18) I	Naphthalene-d8	-----ISTD-----							
19) S	Nitrobenzene-d5	0.132	0.132	0.156	0.149	0.153		0.145	7.91
20)	Nitrobenzene	0.344	0.359	0.407	0.387	0.390		0.377	6.68
21)	Isophorone	0.615	0.642	0.710	0.684	0.695		0.670	5.88
22) S	2-Nitrophenol-d4	0.141	0.146	0.175	0.170	0.177		0.162	10.62
23) C	2-Nitrophenol	0.142	0.152	0.181	0.174	0.182		0.166	10.83
24)	2,4-Dimethylpheno	0.337	0.351	0.400	0.375	0.381		0.369	6.76
25)	Bis(2-Chloroethox	0.358	0.377	0.417	0.395	0.397		0.389	5.79
26) S	2,4-Dichloropheno	0.264	0.271	0.316	0.313	0.321		0.297	9.11
27) C	2,4-Dichloropheno	0.264	0.279	0.313	0.310	0.317		0.297	8.04
28)	Naphthalene	0.887	0.917	1.027	0.956	0.963		0.950	5.58
29) S	4-Chloroaniline-d		0.314	0.374	0.358	0.341	0.294	0.336	9.66
30)	4-Chloroaniline		0.317	0.379	0.361	0.346	0.295	0.339	9.94
31) C	Hexachlorobutadie	0.223	0.235	0.258	0.243	0.245		0.241	5.37
32)	Caprolactam		0.082	0.091	0.091	0.096	0.097	0.091	6.47
33) C	4-Chloro-3-methyl	0.287	0.296	0.336	0.335	0.344		0.320	8.14
34)	2-Methylnaphthale	0.640	0.653	0.725	0.689	0.706		0.683	5.23
35) I	Acenaphthene-d10	-----ISTD-----							
36)	1,2,4,5-Tetrachlo	0.589	0.593	0.675	0.642	0.635		0.627	5.74
37)	Hexachlorocyclope		0.133	0.198	0.249	0.294	0.332	0.241	32.52
38) C	2,4,6-Trichloroph	0.314	0.348	0.391	0.377	0.382		0.362	8.66
39)	2,4,5-Trichloroph	0.354	0.353	0.416	0.395	0.407		0.385	7.76
40)	1,1'-Biphenyl	1.228	1.243	1.450	1.360	1.348		1.326	6.90
41)	2-Chloronaphthale	0.955	0.974	1.112	1.045	1.029		1.023	6.06
42)	2-Nitroaniline	0.260	0.291	0.325	0.324	0.331		0.306	9.88
43) S	Dimethylphthalate	1.258	1.261	1.387	1.336	1.328		1.314	4.15
44)	Dimethylphthalate	1.226	1.227	1.373	1.304	1.304		1.287	4.82
45)	2,6-Dinitrotoluen	0.219	0.225	0.269	0.271	0.278		0.253	10.99
46) S	Acenaphthylene-d8	1.442	1.479	1.698	1.621	1.623		1.573	6.85
47)	Acenaphthylene	1.480	1.501	1.719	1.636	1.638		1.595	6.35
48)	3-Nitroaniline		0.217	0.264	0.272	0.254	0.232	0.248	9.16
49) C	Acenaphthene	1.032	1.039	1.182	1.118	1.112		1.097	5.69
50)	2,4-Dinitrophenol		0.091	0.118	0.147	0.173	0.189	0.144	27.78
51) S	4-Nitrophenol-d4		0.149	0.184	0.205	0.221	0.228	0.198	16.27

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	Compound	5	10	20	40	80	160	Avg	%RSD
52)	4-Nitrophenol		0.182	0.178	0.196	0.213	0.216	0.197	8.78
53)	Dibenzofuran	1.519	1.500	1.703	1.611	1.595		1.586	5.11
54)	2,4-Dinitrotoluen	0.324	0.352	0.388	0.394	0.410		0.373	9.39
55)	2,3,4,6-Tetrachlo	0.334	0.336	0.375	0.374	0.383		0.360	6.50
56)	Diethylphthalate	1.249	1.231	1.351	1.304	1.311		1.289	3.77
57) S	Fluorene-d10	1.102	1.094	1.219	1.154	1.154		1.144	4.39
58)	Fluorene	1.238	1.227	1.381	1.321	1.317		1.297	4.92
59)	4-Chlorophenyl-ph	0.663	0.665	0.745	0.700	0.702		0.695	4.81
60)	4-Nitroaniline		0.190	0.215	0.241	0.245	0.237	0.226	10.13
61) I	Phenanthrene-d10	-----ISTD-----							
62) S	4,6-Dinitro-2-met		0.087	0.112	0.117	0.131	0.137	0.117	16.53
63)	4,6-Dinitro-2-met		0.095	0.114	0.123	0.133	0.137	0.120	13.99
64)	N-Nitrosodiphenyl	0.503	0.512	0.603	0.559	0.571		0.549	7.60
65)	4-Bromophenyl-phe	0.208	0.209	0.241	0.226	0.230		0.223	6.26
66)	Hexachlorobenzene	0.231	0.234	0.271	0.252	0.257		0.249	6.66
67)	Atrazine		0.203	0.233	0.222	0.233	0.225	0.223	5.46
68) C	Pentachlorophenol		0.112	0.134	0.135	0.148	0.153	0.136	11.69
69)	Phenanthrene	0.966	0.983	1.127	1.031	1.049		1.031	6.14
70) S	Anthracene-d10	0.812	0.818	0.941	0.893	0.908		0.874	6.49
71)	Anthracene	0.946	0.986	1.143	1.058	1.076		1.042	7.42
72)	1,2,3,4-Tetrachlo	0.270	0.284	0.338	0.302	0.303		0.299	8.48
73)	Pentachlorobenzen	0.273	0.285	0.338	0.305	0.311		0.302	8.26
74)	Carbazole		0.834	0.956	0.916	0.937	0.918	0.912	5.10
75)	Di-n-butylphthala	0.947	0.972	1.117	1.079	1.118		1.047	7.79
76) C	Fluoranthene		1.174	1.332	1.253	1.264	1.229	1.251	4.60
77) I	Chrysene-d12	-----ISTD-----							
78) S	Pyrene-d10	0.715	0.746	0.839	0.791	0.800		0.778	6.18
79)	Pyrene	0.936	0.952	1.076	1.001	1.012		0.995	5.56
80)	Butylbenzylphthal	0.331	0.343	0.392	0.379	0.394		0.368	7.94
81)	3,3'-Dichlorobenz		0.298	0.369	0.367	0.358	0.317	0.342	9.50
82)	Benzo(a)anthracen	0.976	1.000	1.121	1.047	1.051		1.039	5.35
83)	Bis(2-ethylhexyl)	0.473	0.500	0.585	0.557	0.581		0.539	9.31
84)	Chrysene	0.956	0.970	1.072	1.002	0.993		0.999	4.48
85) I	Perylene-d12	-----ISTD-----							
86)	Di-n-octyl phthal		0.860	1.028	0.981	1.024	0.990	0.977	6.99
87)	Benzo(b)fluoranth	0.987	0.988	1.151	1.112	1.105		1.069	7.10
88)	Benzo(k)fluoranth	0.939	0.988	1.168	1.021	1.069		1.037	8.39
89) S	Benzo(a)pyrene-d1	0.761	0.796	0.921	0.854	0.872		0.841	7.52
90) C	Benzo(a)pyrene	0.931	0.964	1.133	1.069	1.077		1.035	8.14
91)	Indeno(1,2,3-cd)p	1.155	1.180	1.403	1.288	1.318		1.269	8.02
92)	Dibenzo(a,h)anthr	0.983	0.997	1.172	1.081	1.105		1.068	7.37
93)	Benzo(g,h,i)peryl	0.968	0.999	1.173	1.061	1.084		1.057	7.56

(#) = Out of Range