

Method Path : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\
 Method File : SOM-EPA-BM121719MA.M
 Title : SVOA CALIBRATION
 Last Update : Fri Dec 27 23:52:10 2019
 Response Via : Initial Calibration

Calibration Files

5 =BM024118.D 10 =BM024119.D 20 =BM024324.D
 40 =BM024121.D 80 =BM024122.D 160 =BM024123.D

	Compound	5	10	20	40	80	160	Avg	%RSD
1) I	1,4-Dichlorobenzene-d	-----ISTD-----							
2)	1,4-Dioxane	0.501	0.515	0.463	0.524	0.505		0.501	4.67
3) S	1,4-Dioxane-d8	0.407	0.440	0.436	0.498	0.482		0.453	8.20
4)	Benzaldehyde		1.238	1.256	1.362	1.345	0.920	1.224	14.56
5) S	Phenol-d5		1.663	1.741	1.973	2.041	2.051	1.894	9.49
6)	Phenol		1.752	1.808	2.036	2.094	2.087	1.955	8.34
7) S	Bis-(2-Chloroethy		1.101	1.103	1.186	1.171	1.118	1.136	3.53
8)	Bis(2-Chloroethyl		1.469	1.469	1.561	1.571	1.506	1.515	3.23
9) S	2-Chlorophenol-d4	1.208	1.300	1.296	1.455	1.494		1.351	8.85
10)	2-Chlorophenol	1.269	1.343	1.319	1.482	1.513		1.385	7.68
11)	2-Methylphenol		1.310	1.343	1.507	1.556	1.554	1.454	8.16
12)	2,2'-oxybis(1-Chl		1.748	1.733	1.800	1.772	1.673	1.745	2.74
13) S	4-Methylphenol-d8		1.392	1.433	1.618	1.654	1.643	1.548	8.07
14)	Acetophenone		2.237	2.250	2.410	2.444	2.332	2.334	3.97
15) P	N-Nitroso-di-n-pr	1.125	1.290	1.274	1.389	1.371		1.290	8.12
16)	4-Methylphenol		1.479	1.505	1.691	1.706	1.690	1.614	6.94
17)	Hexachloroethane	0.538	0.566	0.553	0.599	0.602		0.572	4.96
18) I	Naphthalene-d8	-----ISTD-----							
19) S	Nitrobenzene-d5	0.125	0.133	0.141	0.159	0.160		0.144	10.85
20)	Nitrobenzene	0.367	0.384	0.395	0.426	0.424		0.399	6.43
21)	Isophorone	0.663	0.720	0.731	0.809	0.810		0.747	8.42
22) S	2-Nitrophenol-d4	0.125	0.144	0.157	0.179	0.185		0.158	15.66
23) C	2-Nitrophenol	0.143	0.160	0.174	0.195	0.198		0.174	13.45
24)	2,4-Dimethylpheno	0.335	0.365	0.369	0.404	0.403		0.375	7.71
25)	Bis(2-Chloroethox	0.431	0.461	0.455	0.489	0.483		0.464	4.98
26) S	2,4-Dichloropheno	0.259	0.288	0.303	0.338	0.347		0.307	11.75
27) C	2,4-Dichloropheno	0.260	0.288	0.295	0.327	0.333		0.301	10.03
28)	Naphthalene	1.029	1.039	1.011	1.084	1.077		1.048	3.00
29) S	4-Chloroaniline-d		0.336	0.364	0.421	0.395	0.349	0.373	9.37
30)	4-Chloroaniline		0.347	0.369	0.419	0.398	0.349	0.377	8.39
31) C	Hexachlorobutadie	0.184	0.184	0.179	0.192	0.190		0.186	2.83
32)	Caprolactam		0.098	0.101	0.120	0.123	0.126	0.114	11.49
33) C	4-Chloro-3-methyl	0.313	0.348	0.354	0.396	0.393		0.361	9.56
34)	2-Methylnaphthale	0.702	0.740	0.726	0.790	0.788		0.749	5.18
35)	1-Methylnaphthale	0.736	0.754	0.737	0.803	0.793		0.765	4.11
36) I	Acenaphthene-d10	-----ISTD-----							
37)	1,2,4,5-Tetrachlo	0.515	0.529	0.524	0.561	0.574		0.541	4.68
38)	Hexachlorocyclope		0.142	0.187	0.255	0.305	0.329	0.244	32.38
39) C	2,4,6-Trichloroph	0.293	0.341	0.352	0.395	0.406		0.358	12.64
40)	2,4,5-Trichloroph	0.343	0.357	0.374	0.423	0.431		0.385	10.28
41)	1,1'-Biphenyl	1.447	1.485	1.444	1.549	1.541		1.493	3.36
42)	2-Chloronaphthale	1.114	1.171	1.134	1.221	1.224		1.173	4.26
43)	2-Nitroaniline	0.267	0.321	0.340	0.391	0.400		0.344	15.83
44) S	Dimethylphthalate	1.402	1.484	1.430	1.550	1.527		1.479	4.23
45)	Dimethylphthalate	1.474	1.542	1.490	1.603	1.575		1.537	3.57
46)	2,6-Dinitrotoluen	0.233	0.286	0.297	0.346	0.352		0.303	16.14
47) S	Acenaphthylene-d8	1.599	1.731	1.736	1.901	1.894		1.772	7.17
48)	Acenaphthylene	1.742	1.866	1.835	1.991	1.973		1.881	5.45
49)	3-Nitroaniline		0.243	0.277	0.323	0.316	0.279	0.287	11.41
50) C	Acenaphthene	1.253	1.282	1.249	1.346	1.338		1.294	3.57
51)	2,4-Dinitrophenol		0.096	0.128	0.182	0.212	0.232	0.170	33.34

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	Compound	5	10	20	40	80	160	Avg	%RSD
52) S	4-Nitrophenol-d4		0.207	0.236	0.286	0.297	0.301	0.266	15.68
53)	4-Nitrophenol		0.177	0.194	0.227	0.233	0.228	0.212	11.76
54)	Dibenzofuran	1.756	1.810	1.728	1.858	1.841		1.798	3.07
55)	2,4-Dinitrotoluen	0.365	0.439	0.452	0.513	0.518		0.457	13.68
56)	2,3,4,6-Tetrachlo	0.294	0.328	0.338	0.385	0.398		0.348	12.24
57)	Diethylphthalate	1.471	1.558	1.508	1.646	1.630		1.563	4.83
58) S	Fluorene-d10	1.232	1.297	1.256	1.358	1.340		1.297	4.12
59)	Fluorene	1.443	1.507	1.472	1.593	1.579		1.519	4.33
60)	4-Chlorophenyl-ph	0.708	0.740	0.710	0.767	0.768		0.739	4.02
61)	4-Nitroaniline		0.280	0.289	0.354	0.363	0.300	0.317	12.14
62) I	Phenanthrene-d10		-----ISTD-----						
63) S	4,6-Dinitro-2-met		0.092	0.105	0.130	0.139	0.143	0.122	18.16
64)	4,6-Dinitro-2-met		0.104	0.116	0.137	0.145	0.150	0.130	15.11
65)	N-Nitrosodiphenyl	0.551	0.570	0.567	0.611	0.610		0.582	4.68
66)	4-Bromophenyl-phe	0.198	0.202	0.206	0.226	0.232		0.213	7.22
67)	Hexachlorobenzene	0.245	0.255	0.252	0.273	0.278		0.260	5.49
68)	Atrazine		0.198	0.205	0.225	0.229	0.224	0.216	6.35
69) C	Pentachlorophenol		0.104	0.118	0.141	0.156	0.163	0.136	18.39
70)	Phenanthrene	1.091	1.112	1.085	1.164	1.145		1.120	3.06
71) S	Anthracene-d10	0.874	0.894	0.886	0.952	0.943		0.910	3.88
72)	Anthracene	1.062	1.110	1.107	1.190	1.160		1.126	4.41
73)	1,2,3,4-Tetrachlo	0.241	0.242	0.244	0.261	0.267		0.251	4.75
74)	Pentachlorobenzen	0.270	0.271	0.266	0.285	0.291		0.276	3.92
75)	Carbazole		0.933	0.956	1.040	1.040	0.865	0.967	7.72
76)	Di-n-butylphthala	0.976	1.120	1.150	1.294	1.260		1.160	10.88
77) C	Fluoranthene		1.275	1.247	1.352	1.325	0.902	1.220	14.95
78) I	Chrysene-d12		-----ISTD-----						
79) S	Pyrene-d10	0.892	0.934	0.923	1.010	1.004		0.953	5.45
80)	Pyrene	1.270	1.288	1.272	1.381	1.317		1.306	3.55
81)	Butylbenzylphthal	0.398	0.471	0.507	0.592	0.604		0.514	16.70
82)	3,3'-Dichlorobenz		0.398	0.429	0.495	0.498	0.400	0.444	11.18
83)	Benzo(a)anthracen	1.224	1.273	1.237	1.339	1.298		1.274	3.65
84)	Bis(2-ethylhexyl)	0.609	0.717	0.764	0.872	0.871		0.767	14.46
85)	Chrysene	1.230	1.238	1.227	1.300	1.250		1.249	2.40
86) I	Perylene-d12		-----ISTD-----						
87)	Di-n-octyl phthal		1.026	1.082	1.265	1.191	0.839	1.081	15.17
88)	Benzo(b)fluoranth	1.064	1.198	1.137	1.294	1.290		1.197	8.29
89)	Benzo(k)fluoranth	1.136	1.125	1.153	1.247	1.210		1.174	4.43
90) S	Benzo(a)pyrene-d1	0.897	0.958	0.963	1.075	1.074		0.993	7.88
91) C	Benzo(a)pyrene	0.998	1.060	1.047	1.164	1.144		1.083	6.42
92)	Indeno(1,2,3-cd)p	1.196	1.251	1.293	1.407	1.352		1.300	6.35
93)	Dibenzo(a,h)anthr	0.990	1.041	1.088	1.186	1.145		1.090	7.18
94)	Benzo(g,h,i)peryl	0.994	1.043	1.057	1.137	1.076		1.061	4.91

(#) = Out of Range