

Method Path : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\
 Method File : SOM-EPA-BN060419MA.M
 Title : SVOA CALIBRATION
 Last Update : Tue Jun 04 17:47:25 2019
 Response Via : Initial Calibration

Calibration Files

5 =BN006067.D 10 =BN006062.D 20 =BN006063.D
 40 =BN006064.D 80 =BN006065.D 160 =BN006066.D

	Compound	5	10	20	40	80	160	Avg	%RSD
1) I	1,4-Dichlorobenzene-d	-----ISTD-----							
2)	1,4-Dioxane	0.486	0.458	0.496	0.476	0.470		0.477	3.07
3) S	1,4-Dioxane-d8	0.489	0.433	0.496	0.446	0.444		0.462	6.20
4)	Benzaldehyde		1.067	1.107	1.034	0.949	1.265	1.085	10.74
5) S	Phenol-d5		1.590	1.690	1.578	1.594	1.539	1.598	3.48
6)	Phenol		1.646	1.727	1.628	1.617	1.548	1.633	3.93
7) S	Bis-(2-Chloroethy		0.941	0.948	0.903	0.905	0.873	0.914	3.36
8)	Bis(2-Chloroethyl		1.268	1.333	1.252	1.266	1.219	1.268	3.27
9) S	2-Chlorophenol-d4	1.229	1.273	1.359	1.271	1.288		1.284	3.67
10)	2-Chlorophenol	1.273	1.297	1.373	1.307	1.304		1.311	2.83
11)	2-Methylphenol		1.230	1.282	1.212	1.225	1.178	1.225	3.07
12)	2,2'-oxybis(1-Chl		1.736	1.786	1.659	1.672	1.616	1.694	3.95
13) S	4-Methylphenol-d8		1.253	1.296	1.218	1.227	1.196	1.238	3.11
14)	Acetophenone		1.980	1.993	1.858	1.829	1.704	1.873	6.34
15) P	N-Nitroso-di-n-pr	0.986	1.043	1.051	0.953	0.930		0.993	5.41
16)	4-Methylphenol		1.343	1.411	1.297	1.294	1.238	1.317	4.92
17)	Hexachloroethane	0.556	0.548	0.570	0.538	0.544		0.551	2.26
18) I	Naphthalene-d8	-----ISTD-----							
19) S	Nitrobenzene-d5	0.132	0.137	0.153	0.144	0.148		0.143	5.87
20)	Nitrobenzene	0.309	0.334	0.363	0.340	0.342		0.338	5.72
21)	Isophorone	0.640	0.648	0.700	0.638	0.626		0.651	4.42
22) S	2-Nitrophenol-d4	0.138	0.154	0.173	0.162	0.165		0.158	8.30
23) C	2-Nitrophenol	0.151	0.162	0.180	0.171	0.172		0.167	6.46
24)	2,4-Dimethylpheno	0.328	0.335	0.365	0.336	0.335		0.340	4.30
25)	Bis(2-Chloroethox	0.386	0.396	0.431	0.395	0.394		0.401	4.43
26) S	2,4-Dichloropheno	0.262	0.284	0.312	0.286	0.288		0.286	6.30
27) C	2,4-Dichloropheno	0.257	0.277	0.302	0.281	0.278		0.279	5.74
28)	Naphthalene	0.939	0.934	1.010	0.925	0.908		0.943	4.15
29) S	4-Chloroaniline-d		0.328	0.377	0.358	0.335	0.311	0.342	7.55
30)	4-Chloroaniline		0.334	0.373	0.361	0.335	0.311	0.343	7.16
31) C	Hexachlorobutadie	0.172	0.173	0.193	0.176	0.178		0.178	4.65
32)	Caprolactam		0.094	0.102	0.094	0.090	0.089	0.094	5.36
33) C	4-Chloro-3-methyl	0.294	0.302	0.327	0.299	0.296		0.304	4.37
34)	2-Methylnaphthale	0.651	0.665	0.708	0.638	0.625		0.657	4.85
35) I	Acenaphthene-d10	-----ISTD-----							
36)	1,2,4,5-Tetrachlo	0.576	0.580	0.632	0.600	0.606		0.599	3.74
37)	Hexachlorocyclope		0.269	0.328	0.342	0.384	0.386	0.342	14.04
38) C	2,4,6-Trichloroph	0.337	0.378	0.410	0.390	0.400		0.383	7.44
39)	2,4,5-Trichloroph	0.370	0.394	0.438	0.410	0.431		0.409	6.80
40)	1,1'-Biphenyl	1.443	1.484	1.586	1.511	1.487		1.502	3.52
41)	2-Chloronaphthale	1.109	1.139	1.239	1.165	1.156		1.162	4.15
42)	2-Nitroaniline	0.294	0.327	0.362	0.351	0.353		0.337	8.11
43) S	Dimethylphthalate	1.389	1.420	1.515	1.404	1.366		1.419	4.04
44)	Dimethylphthalate	1.388	1.410	1.509	1.387	1.342		1.407	4.41
45)	2,6-Dinitrotoluen	0.247	0.273	0.310	0.297	0.302		0.286	8.94
46) S	Acenaphthylene-d8	1.780	1.821	1.972	1.830	1.779		1.836	4.32
47)	Acenaphthylene	1.766	1.800	1.932	1.792	1.727		1.803	4.30
48)	3-Nitroaniline		0.261	0.301	0.300	0.280	0.255	0.279	7.66
49) C	Acenaphthene	1.204	1.209	1.296	1.196	1.163		1.213	4.07
50)	2,4-Dinitrophenol		0.109	0.134	0.154	0.177	0.183	0.151	20.33
51) S	4-Nitrophenol-d4		0.235	0.260	0.255	0.255	0.248	0.251	3.94

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	Compound	5	10	20	40	80	160	Avg	%RSD
52)	4-Nitrophenol		0.181	0.197	0.193	0.193	0.186	0.190	3.23
53)	Dibenzofuran	1.723	1.717	1.828	1.682	1.613		1.712	4.55
54)	2,4-Dinitrotoluen	0.353	0.393	0.433	0.417	0.410		0.401	7.55
55)	2,3,4,6-Tetrachlo	0.294	0.340	0.363	0.343	0.343		0.337	7.59
56)	Diethylphthalate	1.399	1.418	1.507	1.388	1.334		1.409	4.47
57) S	Fluorene-d10	1.204	1.203	1.276	1.175	1.136		1.199	4.27
58)	Fluorene	1.357	1.364	1.453	1.311	1.219		1.341	6.36
59)	4-Chlorophenyl-ph	0.685	0.670	0.727	0.648	0.611		0.668	6.45
60)	4-Nitroaniline		0.325	0.364	0.345	0.321	0.280	0.327	9.54
61) I	Phenanthrene-d10	-----ISTD-----							
62) S	4,6-Dinitro-2-met		0.096	0.112	0.113	0.121	0.119	0.112	8.80
63)	4,6-Dinitro-2-met		0.103	0.117	0.117	0.124	0.120	0.116	6.88
64)	N-Nitrosodiphenyl	0.550	0.555	0.593	0.543	0.539		0.556	3.88
65)	4-Bromophenyl-phe	0.193	0.192	0.210	0.193	0.195		0.196	3.79
66)	Hexachlorobenzene	0.213	0.212	0.228	0.213	0.213		0.216	3.08
67)	Atrazine		0.202	0.219	0.197	0.196	0.184	0.200	6.41
68) C	Pentachlorophenol		0.112	0.123	0.121	0.129	0.129	0.123	5.76
69)	Phenanthrene	0.981	0.977	1.056	0.959	0.931		0.981	4.72
70) S	Anthracene-d10	0.839	0.866	0.916	0.834	0.810		0.853	4.73
71)	Anthracene	0.979	1.010	1.088	0.989	0.947		1.002	5.26
72)	1,2,3,4-Tetrachlo	0.276	0.272	0.300	0.286	0.302		0.287	4.73
73)	Pentachlorobenzen	0.246	0.251	0.272	0.253	0.261		0.257	3.90
74)	Carbazole		0.910	0.993	0.911	0.867	0.796	0.895	8.04
75)	Di-n-butylphthala	1.090	1.157	1.253	1.121	1.074		1.139	6.26
76) C	Fluoranthene		1.132	1.239	1.123	1.062	0.941	1.099	9.93
77) I	Chrysene-d12	-----ISTD-----							
78) S	Pyrene-d10	0.942	0.998	1.040	0.924	0.928		0.966	5.25
79)	Pyrene	1.253	1.256	1.319	1.173	1.147		1.230	5.64
80)	Butylbenzylphthal	0.535	0.587	0.629	0.567	0.559		0.575	6.17
81)	3,3'-Dichlorobenz		0.424	0.482	0.453	0.401	0.329	0.418	13.92
82)	Benzo(a)anthracen	1.214	1.238	1.314	1.203	1.179		1.230	4.19
83)	Bis(2-ethylhexyl)	0.845	0.849	0.917	0.800	0.742		0.831	7.80
84)	Chrysene	1.181	1.177	1.271	1.165	1.098		1.179	5.25
85) I	Perylene-d12	-----ISTD-----							
86)	Di-n-octyl phthal		1.307	1.390	1.203	1.149	0.986	1.207	12.83
87)	Benzo(b)fluoranth	1.101	1.048	1.111	1.030	1.042		1.066	3.45
88)	Benzo(k)fluoranth	1.021	1.031	1.163	1.024	0.980		1.044	6.66
89) S	Benzo(a)pyrene-d1	0.880	0.894	0.950	0.868	0.861		0.891	3.98
90) C	Benzo(a)pyrene	1.041	0.997	1.108	1.012	0.996		1.031	4.53
91)	Indeno(1,2,3-cd)p	1.225	1.261	1.348	1.231	1.219		1.257	4.26
92)	Dibenzo(a,h)anthr	1.039	1.071	1.133	1.043	1.013		1.060	4.30
93)	Benzo(g,h,i)peryl	1.046	1.056	1.135	1.051	1.053		1.068	3.50

(#) = Out of Range