

Method Path : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\
 Method File : SOM-EPA-BN030719MA.M
 Title : SVOA CALIBRATION
 Last Update : Fri Mar 08 00:36:35 2019
 Response Via : Initial Calibration

Calibration Files

5 =BN004631.D 10 =BN004632.D 20 =BN004633.D 40 =BN004634.D 80 =BN004635.D 160 =BN004636.D

Compound	5	10	20	40	80	160	Avg	%RSD
-----ISTD-----								
1) I 1,4-Dichlorobenzen...								
2) 1,4-Dioxane	0.419	0.508	0.444	0.420	0.394		0.437	9.91
3) S 1,4-Dioxane-d8	0.314	0.366	0.360	0.370	0.364		0.355	6.54
4) Benzaldehyde		1.074	1.076	1.106	1.074	1.020	1.070	2.92
5) S Phenol-d5		1.585	1.611	1.705	1.712	1.650	1.653	3.38
6) Phenol		1.627	1.630	1.735	1.745	1.673	1.682	3.33
7) S Bis-(2-Chloroe...		0.856	0.849	0.889	0.872	0.844	0.862	2.13
8) Bis(2-Chloroet...		1.216	1.222	1.284	1.259	1.210	1.238	2.57
9) S 2-Chlorophenol-d4	1.363	1.413	1.403	1.490	1.502		1.434	4.17
10) 2-Chlorophenol	1.395	1.419	1.414	1.501	1.506		1.447	3.64
11) 2-Methylphenol		1.301	1.323	1.398	1.400	1.333	1.351	3.34
12) 2,2'-oxybis(1-...		1.459	1.450	1.469	1.423	1.338	1.428	3.71
13) S 4-Methylphenol-d8		1.372	1.392	1.493	1.498	1.432	1.437	3.98
14) Acetophenone		2.216	2.171	2.239	2.144	2.006	2.155	4.25
15) P N-Nitroso-di-n...	0.964	1.025	1.030	1.061	1.007		1.018	3.50
16) 4-Methylphenol		1.450	1.469	1.556	1.551	1.483	1.502	3.25
17) Hexachloroethane	0.515	0.549	0.536	0.556	0.554		0.542	3.10
-----ISTD-----								
18) I Naphthalene-d8								
19) S Nitrobenzene-d5	0.141	0.149	0.149	0.161	0.161		0.152	5.60
20) Nitrobenzene	0.299	0.314	0.308	0.325	0.319		0.313	3.22
21) Isophorone	0.628	0.658	0.643	0.669	0.644		0.649	2.46
22) S 2-Nitrophenol-d4	0.153	0.168	0.170	0.187	0.188		0.173	8.57
23) C 2-Nitrophenol	0.171	0.186	0.187	0.198	0.195		0.187	5.65
24) 2,4-Dimethylph...	0.345	0.363	0.357	0.376	0.366		0.361	3.24
25) Bis(2-Chloroet...	0.389	0.402	0.391	0.404	0.388		0.395	1.93
26) S 2,4-Dichloroph...	0.309	0.325	0.324	0.348	0.344		0.330	4.78
27) C 2,4-Dichloroph...	0.309	0.324	0.318	0.340	0.334		0.325	3.80
28) Naphthalene	1.055	1.072	1.020	1.054	1.009		1.042	2.54
29) S 4-Chloroanilin...		0.394	0.392	0.418	0.408	0.367	0.396	4.89
30) 4-Chloroaniline		0.415	0.399	0.424	0.409	0.365	0.402	5.67
31) C Hexachlorobuta...	0.213	0.220	0.210	0.220	0.215		0.216	2.15
32) Caprolactam		0.104	0.108	0.115	0.114	0.109	0.110	4.13
33) C 4-Chloro-3-met...	0.329	0.352	0.346	0.364	0.351		0.348	3.64
34) 2-Methylnaphth...	0.787	0.807	0.772	0.793	0.746		0.781	3.00
35) 1-Methylnaphth...	0.741	0.760	0.723	0.739	0.704		0.733	2.84
-----ISTD-----								
36) I Acenaphthene-d10								
37) 1,2,4,5-Tetrac...	0.689	0.702	0.685	0.728	0.712		0.703	2.47
38) Hexachlorocycl...		0.443	0.450	0.500	0.509	0.520	0.484	7.29
39) C 2,4,6-Trichlor...	0.415	0.444	0.448	0.480	0.478		0.453	5.99
40) 2,4,5-Trichlor...	0.456	0.489	0.490	0.524	0.521		0.496	5.60
41) 1,1'-Biphenyl	1.699	1.724	1.653	1.705	1.632		1.683	2.31
42) 2-Chloronaphth...	1.272	1.298	1.253	1.308	1.266		1.279	1.78
43) 2-Nitroaniline	0.269	0.305	0.314	0.341	0.337		0.313	9.27
44) S Dimethylphthal...	1.735	1.771	1.699	1.753	1.689		1.729	2.01
45) Dimethylphthalate	1.715	1.747	1.666	1.711	1.645		1.697	2.42
46) 2,6-Dinitrotol...	0.298	0.337	0.342	0.371	0.370		0.344	8.66
47) S Acenaphthylene-d8	2.041	2.123	2.061	2.133	2.050		2.082	2.07
48) Acenaphthylene	2.023	2.093	2.013	2.067	1.975		2.034	2.28
49) 3-Nitroaniline		0.333	0.336	0.349	0.340	0.308	0.333	4.58
50) C Acenaphthene	1.411	1.428	1.368	1.410	1.335		1.390	2.75
51) 2,4-Dinitrophenol		0.166	0.198	0.236	0.253	0.260	0.223	17.87
52) S 4-Nitrophenol-d4		0.309	0.315	0.336	0.330	0.315	0.321	3.51
53) 4-Nitrophenol		0.222	0.228	0.244	0.243	0.230	0.233	4.07
54) Dibenzofuran	2.034	2.071	1.970	2.009	1.903		1.997	3.21
55) 2,4-Dinitrotol...	0.453	0.508	0.516	0.538	0.523		0.507	6.40

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56)	2,3,4,6-Tetrac...	0.420	0.457	0.452	0.484	0.483	0.459	5.72
57)	Diethylphthalate	1.707	1.772	1.702	1.748	1.669	1.719	2.36
58) S	Fluorene-d10	1.497	1.523	1.448	1.479	1.402	1.470	3.15
59)	Fluorene	1.643	1.683	1.585	1.602	1.500	1.603	4.30
60)	4-Chlorophenyl...	0.867	0.879	0.838	0.857	0.813	0.851	3.04
61)	4-Nitroaniline	0.390	0.388	0.411	0.395	0.371	0.391	3.68

62) I	Phenanthrene-d10	-----ISTD-----						
63) S	4,6-Dinitro-2-...	0.121	0.130	0.146	0.147	0.146	0.138	8.45
64)	4,6-Dinitro-2-...	0.132	0.139	0.153	0.153	0.151	0.146	6.57
65)	N-Nitrosodiphe...	0.615	0.626	0.599	0.619	0.585	0.609	2.72
66)	4-Bromophenyl-...	0.244	0.246	0.237	0.252	0.248	0.245	2.27
67)	Hexachlorobenzene	0.279	0.286	0.274	0.288	0.281	0.282	2.04
68)	Atrazine	0.230	0.229	0.242	0.236	0.226	0.233	2.62
69) C	Pentachlorophenol	0.156	0.163	0.182	0.187	0.189	0.176	8.45
70)	Phenanthrene	1.149	1.143	1.090	1.115	1.065	1.112	3.19
71) S	Anthracene-d10	0.981	1.002	0.964	0.989	0.935	0.974	2.64
72)	Anthracene	1.164	1.173	1.123	1.144	1.077	1.136	3.37
73)	1,2,3,4-Tetrac...	0.289	0.294	0.289	0.308	0.304	0.297	2.91
74)	Pentachloroben...	0.317	0.318	0.307	0.324	0.317	0.317	1.97
75)	Carbazole	1.044	1.003	1.029	0.968	0.890	0.987	6.21
76)	Di-n-butylphth...	1.193	1.252	1.212	1.265	1.197	1.224	2.68
77) C	Fluoranthene	1.370	1.316	1.351	1.264	1.110	1.282	8.15

78) I	Chrysene-d12	-----ISTD-----						
79) S	Pyrene-d10	0.945	0.982	0.928	1.017	1.015	0.977	4.10
80)	Pyrene	1.189	1.229	1.156	1.255	1.233	1.213	3.27
81)	Butylbenzylpht...	0.449	0.483	0.483	0.535	0.538	0.498	7.67
82)	3,3'-Dichlorob...	0.471	0.468	0.497	0.485	0.441	0.472	4.42
83)	Benzo(a)anthra...	1.270	1.288	1.224	1.274	1.235	1.258	2.16
84)	Bis(2-ethylhex...	0.677	0.719	0.708	0.763	0.751	0.723	4.73
85)	Chrysene	1.191	1.205	1.141	1.187	1.118	1.168	3.17

86) I	Perylene-d12	-----ISTD-----						
87)	Di-n-octyl pht...	1.222	1.212	1.403	1.413	1.202	1.291	8.34
88)	Benzo(b)fluora...	1.197	1.230	1.209	1.324	1.247	1.241	4.04
89)	Benzo(k)fluora...	1.208	1.249	1.173	1.226	1.248	1.221	2.59
90) S	Benzo(a)pyrene...	1.051	1.078	1.046	1.106	1.089	1.074	2.34
91) C	Benzo(a)pyrene	1.156	1.181	1.141	1.196	1.165	1.168	1.85
92)	Indeno(1,2,3-c...	1.300	1.274	1.253	1.256	1.278	1.272	1.46
93)	Dibenzo(a,h)an...	1.093	1.068	1.058	1.065	1.068	1.070	1.23
94)	Benzo(g,h,i)pe...	1.062	1.033	1.019	1.017	1.042	1.035	1.79

(#) = Out of Range