

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : SFAM-EPA-BN102621.M
 Title : SVOA CALIBRATION
 Last Update : Tue Oct 26 15:29:15 2021
 Response Via : Initial Calibration

Calibration Files

5 =BN017086.D 10 =BN017087.D 20 =BN017088.D 40 =BN017089.D 80 =BN017090.D 160 =BN017091.D

	Compound	5	10	20	40	80	160	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----							
2)	1,4-Dioxane	0.526	0.535	0.512	0.541	0.616		0.546	7.42
3) S	1,4-Dioxane-d8	0.530	0.541	0.523	0.549	0.618		0.552	6.88
4) S	Pyridine-d5		1.362	1.405	1.500	1.733	1.395	1.479	10.22
5)	Pyridine		1.427	1.429	1.519	1.725	1.383	1.497	9.15
6)	Benzaldehyde		1.062	1.077	1.189	1.329	0.880	1.107	15.02
7) S	Phenol-d5		1.660	1.720	1.892	2.219	1.801	1.858	11.81
8)	Phenol		1.738	1.792	1.927	2.194	1.749	1.880	10.16
9) S	Bis-(2-Chloroe...		1.070	1.053	1.126	1.267	0.999	1.103	9.27
10)	Bis(2-Chloroet...		1.439	1.426	1.492	1.694	1.335	1.477	9.05
11) S	2-Chlorophenol-d4	1.245	1.363	1.407	1.529	1.764		1.462	13.49
12)	2-Chlorophenol	1.317	1.445	1.455	1.560	1.780		1.511	11.45
13)	2-Methylphenol		1.304	1.347	1.480	1.685	1.335	1.430	11.02
14)	2,2'-oxybis(1-...		2.141	2.118	2.210	2.465	1.903	2.167	9.32
15) S	4-Methylphenol-d8		1.377	1.445	1.556	1.784	1.424	1.517	10.74
16)	Acetophenone		2.254	2.266	2.329	2.493	1.901	2.248	9.62
17) P	N-Nitroso-di-n...	0.945	1.108	1.130	1.184	1.277		1.129	10.78
18)	4-Methylphenol		1.493	1.533	1.653	1.823	1.398	1.580	10.36
19)	Hexachloroethane	0.518	0.565	0.562	0.593	0.673		0.582	9.91
20) I	Naphthalene-d8	-----ISTD-----							
21) S	Nitrobenzene-d5	0.118	0.144	0.148	0.168	0.196		0.155	18.84
22)	Nitrobenzene	0.291	0.337	0.332	0.367	0.414		0.348	13.14
23)	Isophorone	0.581	0.684	0.685	0.746	0.839		0.707	13.40
24) S	2-Nitrophenol-d4	0.125	0.156	0.164	0.188	0.224		0.171	21.75
25) C	2-Nitrophenol	0.147	0.174	0.179	0.200	0.233		0.187	17.23
26)	2,4-Dimethylph...	0.328	0.364	0.358	0.389	0.432		0.374	10.30
27)	Bis(2-Chloroet...	0.414	0.449	0.432	0.456	0.510		0.452	8.03
28) S	2,4-Dichloroph...	0.258	0.305	0.302	0.330	0.376		0.314	13.67
29) C	2,4-Dichloroph...	0.265	0.308	0.298	0.325	0.365		0.312	11.84
30)	Naphthalene	1.032	1.093	1.040	1.085	1.191		1.088	5.85
31) S	4-Chloroanilin...		0.456	0.452	0.485	0.533	0.414	0.468	9.42
32)	4-Chloroaniline		0.466	0.454	0.483	0.517	0.394	0.463	9.77
33) C	Hexachlorobuta...	0.176	0.190	0.177	0.191	0.216		0.190	8.51
34)	Caprolactam		0.092	0.102	0.117	0.137	0.112	0.112	15.08
35) C	4-Chloro-3-met...	0.288	0.337	0.340	0.363	0.408		0.347	12.60
36)	2-Methylnaphth...	0.698	0.760	0.727	0.759	0.811		0.751	5.63
37)	1-Methylnaphth...	0.730	0.790	0.752	0.772	0.826		0.774	4.73
38) I	Acenaphthene-d10	-----ISTD-----							
39)	1,2,4,5-Tetrac...	0.532	0.574	0.554	0.600	0.655		0.583	8.13
40)	Hexachlorocycl...		0.310	0.330	0.383	0.455	0.375	0.370	15.23
41) C	2,4,6-Trichlor...	0.309	0.348	0.366	0.402	0.464		0.378	15.46
42)	2,4,5-Trichlor...	0.345	0.396	0.413	0.439	0.511		0.421	14.49
43)	1,1'-Biphenyl	1.460	1.545	1.490	1.567	1.681		1.549	5.52
44)	2-Chloronaphth...	1.098	1.172	1.131	1.189	1.307		1.179	6.74
45)	2-Nitroaniline	0.223	0.285	0.316	0.360	0.420		0.321	23.25
46) S	Dimethylphthal...	1.342	1.492	1.445	1.527	1.680		1.497	8.27
47)	Dimethylphthalate	1.395	1.505	1.460	1.527	1.631		1.504	5.80
48)	2,6-Dinitrotol...	0.213	0.269	0.289	0.328	0.377		0.295	20.82
49) S	Acenaphthylene-d8	1.676	1.891	1.837	1.933	2.101		1.887	8.16
50)	Acenaphthylene	1.806	1.952	1.898	1.943	2.066		1.933	4.88
51)	3-Nitroaniline		0.294	0.316	0.360	0.416	0.323	0.342	13.99
52) C	Acenaphthene	1.195	1.263	1.200	1.254	1.339		1.250	4.66
53)	2,4-Dinitrophenol		0.131	0.154	0.200	0.249	0.212	0.189	24.90
54) S	4-Nitrophenol-d4		0.256	0.277	0.312	0.352	0.279	0.295	12.75

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55)	4-Nitrophenol	0.193	0.197	0.216	0.245	0.192	0.208	10.80
56)	Dibenzofuran	1.732	1.829	1.723	1.782	1.857	1.785	3.28
57)	2,4-Dinitrotol...	0.336	0.409	0.420	0.464	0.499	0.426	14.53
58)	2,3,4,6-Tetrac...	0.291	0.333	0.333	0.364	0.417	0.347	13.46
59)	Diethylphthalate	1.375	1.478	1.452	1.542	1.650	1.499	6.89
60) S	Fluorene-d10	1.212	1.296	1.228	1.293	1.365	1.279	4.77
61)	Fluorene	1.408	1.467	1.384	1.389	1.387	1.407	2.47
62)	4-Chlorophenyl...	0.696	0.727	0.677	0.675	0.685	0.692	3.07
63)	4-Nitroaniline	0.304	0.322	0.361	0.410	0.292	0.338	14.20
64) I	Phenanthrene-d10	-----ISTD-----						
65) S	4,6-Dinitro-2-...	0.110	0.115	0.133	0.160	0.129	0.130	15.32
66)	4,6-Dinitro-2-...	0.115	0.120	0.133	0.155	0.123	0.129	12.23
67)	N-Nitrosodiphe...	0.560	0.633	0.585	0.604	0.661	0.609	6.52
68)	4-Bromophenyl-...	0.189	0.216	0.201	0.214	0.246	0.213	10.15
69)	Hexachlorobenzene	0.227	0.254	0.233	0.251	0.276	0.248	7.79
70)	Atrazine	0.215	0.212	0.228	0.259	0.202	0.223	9.88
71) C	Pentachlorophenol	0.128	0.135	0.149	0.186	0.147	0.149	15.08
72)	Phenanthrene	1.054	1.143	1.062	1.088	1.163	1.102	4.43
73) S	Anthracene-d10	0.904	1.000	0.936	0.959	1.029	0.966	5.16
74)	Anthracene	1.059	1.184	1.083	1.097	1.156	1.116	4.69
75)	1,2,3,4-Tetrac...	0.253	0.289	0.278	0.295	0.347	0.292	11.88
76)	Pentachloroben...	0.273	0.307	0.276	0.288	0.336	0.296	8.81
77)	Carbazole	1.051	0.990	1.017	1.075	0.793	0.985	11.42
78)	Di-n-butylphth...	0.959	1.156	1.161	1.245	1.302	1.165	11.18
79) I	Chrysene-d12	-----ISTD-----						
80)	Fluoranthene	1.239	1.357	1.298	1.367	1.742	1.401	14.10
81) S	Pyrene-d10	1.015	1.153	1.086	1.153	1.458	1.173	14.45
82)	Pyrene	1.346	1.416	1.328	1.378	1.700	1.434	10.65
83)	Butylbenzylpht...	0.357	0.470	0.509	0.588	0.745	0.534	27.06
84)	3,3'-Dichlorob...	0.390	0.439	0.476	0.545	0.376	0.445	15.39
85)	Benzo(a)anthra...	1.241	1.296	1.251	1.326	1.468	1.317	6.95
86)	Bis(2-ethylhex...	0.596	0.740	0.812	0.878	1.002	0.806	18.84
87)	Chrysene	1.232	1.330	1.253	1.279	1.394	1.298	5.03
88) I	Perylene-d12	-----ISTD-----						
89)	Di-n-octyl pht...	1.244	1.350	1.522	1.818	1.376	1.462	15.21
90)	Benzo(b)fluora...	1.192	1.366	1.258	1.349	1.586	1.350	11.08
91)	Benzo(k)fluora...	1.183	1.341	1.305	1.306	1.433	1.313	6.83
92) S	Benzo(a)pyrene...	0.903	1.041	1.041	1.085	1.245	1.063	11.52
93) C	Benzo(a)pyrene	1.140	1.302	1.275	1.291	1.488	1.299	9.56
94)	Indeno(1,2,3-c...	1.089	1.233	1.304	1.363	1.639	1.325	15.30
95)	Dibenzo(a,h)an...	0.947	1.032	1.105	1.156	1.361	1.120	13.91
96)	Benzo(g,h,i)pe...	0.909	1.042	1.095	1.120	1.382	1.110	15.58

(#) = Out of Range