

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : SFAM-EPA-BN101725.MA.M
 Title : SVOA CALIBRATION
 Last Update : Fri Oct 17 15:05:52 2025
 Response Via : Initial Calibration

Calibration Files

5 =BN038090.D 10 =BN038091.D 20 =BN038092.D 40 =BN038093.D 80 =BN038094.D 160 =BN038095.D

	Compound	5	10	20	40	80	160	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----							
2)	1,4-Dioxane	0.509	0.497	0.522	0.514	0.494		0.507	2.29
3) S	1,4-Dioxane-d8	0.490	0.497	0.488	0.488	0.480		0.489	1.19
4) S	Pyridine-d5		1.202	1.266	1.290	1.291	1.333	1.277	3.78
5)	Pyridine		1.297	1.387	1.421	1.427	1.434	1.393	4.08
6)	Benzaldehyde		1.085	1.078	1.012	0.652	0.391	0.843	36.72
7) S	Phenol-d5		1.445	1.560	1.652	1.644	1.743	1.609	6.99
8)	Phenol		1.556	1.645	1.702	1.727	1.778	1.682	5.05
9) S	Bis-(2-Chloroe...		1.006	1.028	1.025	1.016	1.016	1.018	0.85
10)	Bis(2-Chloroet...		1.345	1.403	1.413	1.387	1.390	1.388	1.86
11) S	2-Chlorophenol-d4	1.166	1.266	1.355	1.415	1.416		1.324	8.12
12)	2-Chlorophenol	1.266	1.366	1.418	1.481	1.490		1.404	6.56
13)	2-Methylphenol		1.166	1.270	1.317	1.311	1.368	1.286	5.90
14)	2,2'-oxybis(1-...		1.960	1.997	2.021	1.978	1.966	1.985	1.26
15) S	4-Methylphenol-d8		1.204	1.315	1.367	1.369	1.414	1.334	6.05
16)	Acetophenone		2.108	2.176	2.195	2.157	2.162	2.159	1.51
17) P	N-Nitroso-di-n...	0.946	1.012	1.054	1.088	1.052		1.030	5.28
18)	4-Methylphenol		1.295	1.401	1.427	1.413	1.469	1.401	4.62
19)	Hexachloroethane	0.586	0.593	0.619	0.621	0.614		0.607	2.66
20) I	Naphthalene-d8	-----ISTD-----							
21) S	Nitrobenzene-d5	0.135	0.145	0.159	0.169	0.171		0.156	9.87
22)	Nitrobenzene	0.338	0.354	0.384	0.391	0.385		0.371	6.30
23)	Isophorone	0.614	0.655	0.697	0.717	0.710		0.679	6.44
24) S	2-Nitrophenol-d4	0.125	0.143	0.161	0.179	0.185		0.159	15.66
25) C	2-Nitrophenol	0.151	0.161	0.184	0.198	0.204		0.180	12.73
26)	2,4-Dimethylph...	0.332	0.346	0.375	0.382	0.381		0.363	6.29
27)	Bis(2-Chloroet...	0.418	0.437	0.455	0.455	0.446		0.442	3.55
28) S	2,4-Dichloroph...	0.265	0.284	0.312	0.323	0.328		0.302	8.86
29) C	2,4-Dichloroph...	0.277	0.292	0.319	0.325	0.329		0.309	7.34
30)	Naphthalene	1.079	1.099	1.161	1.145	1.119		1.121	2.99
31) S	4-Chloroanilin...		0.388	0.428	0.438	0.437	0.464	0.431	6.42
32)	4-Chloroaniline		0.401	0.437	0.450	0.456	0.460	0.441	5.36
33) C	Hexachlorobuta...	0.191	0.195	0.208	0.211	0.210		0.203	4.67
34)	Caprolactam		0.081	0.090	0.096	0.101	0.108	0.095	10.91
35) C	4-Chloro-3-met...	0.271	0.297	0.320	0.332	0.337		0.311	8.88
36)	2-Methylnaphth...	0.731	0.742	0.795	0.797	0.781		0.769	4.00
37)	1-Methylnaphth...	0.703	0.727	0.769	0.762	0.741		0.740	3.58
38) I	Acenaphthene-d10	-----ISTD-----							
39)	1,2,4,5-Tetrac...	0.572	0.591	0.615	0.639	0.631		0.610	4.56
40)	Hexachlorocycl...		0.380	0.429	0.459	0.455	0.487	0.442	9.14
41) C	2,4,6-Trichlor...	0.326	0.353	0.383	0.415	0.413		0.378	10.24
42)	2,4,5-Trichlor...	0.377	0.389	0.426	0.463	0.454		0.422	8.98
43)	1,1'-Biphenyl	1.527	1.556	1.635	1.670	1.573		1.592	3.69
44)	2-Chloronaphth...	1.169	1.190	1.242	1.285	1.235		1.224	3.72
45)	2-Nitroaniline	0.247	0.287	0.321	0.350	0.356		0.312	14.56
46) S	Dimethylphthal...	1.366	1.423	1.447	1.496	1.475		1.442	3.49
47)	Dimethylphthalate	1.354	1.446	1.474	1.512	1.491		1.455	4.23
48)	2,6-Dinitrotol...	0.208	0.245	0.280	0.305	0.306		0.269	15.63
49) S	Acenaphthylene-d8	1.533	1.649	1.754	1.795	1.759		1.698	6.31
50)	Acenaphthylene	1.860	1.993	2.069	2.080	2.048		2.010	4.50
51)	3-Nitroaniline		0.275	0.308	0.336	0.333	0.328	0.316	8.05
52) C	Acenaphthene	1.248	1.294	1.342	1.343	1.307		1.307	3.02
53)	2,4-Dinitrophenol		0.115	0.129	0.163	0.189	0.220	0.163	26.28
54) S	4-Nitrophenol-d4		0.240	0.268	0.290	0.298	0.315	0.282	10.36
55)	4-Nitrophenol		0.194	0.210	0.221	0.224	0.232	0.216	6.83

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56)	Dibenzofuran	1.730	1.824	1.832	1.833	1.779	1.800	2.50
57)	2,4-Dinitrotol...	0.313	0.367	0.403	0.443	0.450	0.395	14.39
58)	2,3,4,6-Tetrac...	0.283	0.315	0.335	0.366	0.362	0.332	10.32
59)	Diethylphthalate	1.330	1.432	1.458	1.506	1.465	1.438	4.59
60) S	Fluorene-d10	1.161	1.215	1.237	1.295	1.255	1.233	4.02
61)	Fluorene	1.407	1.471	1.467	1.507	1.419	1.454	2.81
62)	4-Chlorophenyl...	0.658	0.689	0.717	0.741	0.707	0.702	4.44
63)	4-Nitroaniline	0.284	0.316	0.336	0.305	0.282	0.304	7.37
64) I	Phenanthrene-d10	-----ISTD-----						
65) S	4,6-Dinitro-2-...	0.092	0.111	0.131	0.139	0.151	0.125	18.74
66)	4,6-Dinitro-2-...	0.106	0.125	0.141	0.147	0.157	0.135	14.83
67)	N-Nitrosodiphe...	0.616	0.640	0.691	0.713	0.675	0.667	5.85
68)	4-Bromophenyl...	0.217	0.220	0.237	0.256	0.254	0.237	7.69
69)	Hexachlorobenzene	0.284	0.286	0.297	0.308	0.295	0.294	3.27
70)	Atrazine	0.204	0.227	0.240	0.231	0.238	0.228	6.23
71) C	Pentachlorophenol	0.153	0.168	0.191	0.189	0.207	0.182	11.73
72)	Phenanthrene	1.172	1.196	1.223	1.260	1.184	1.207	2.91
73) S	Anthracene-d10	0.959	0.953	1.036	1.046	1.016	1.002	4.33
74)	Anthracene	1.150	1.201	1.257	1.284	1.204	1.219	4.30
75)	1,2,3,4-Tetrac...	0.313	0.305	0.330	0.352	0.336	0.327	5.70
76)	Pentachloroben...	0.339	0.325	0.345	0.362	0.345	0.343	3.95
77)	Carbazole	1.017	1.104	1.128	1.075	1.072	1.079	3.86
78)	Di-n-butylphth...	1.052	1.206	1.314	1.401	1.382	1.271	11.34
79) I	Chrysene-d12	-----ISTD-----						
80)	Fluoranthene	1.221	1.296	1.317	1.409	1.330	1.314	5.14
81) S	Pyrene-d10	0.984	1.028	1.089	1.152	1.125	1.076	6.43
82)	Pyrene	1.326	1.354	1.427	1.422	1.373	1.380	3.16
83)	Butylbenzylpht...	0.410	0.477	0.539	0.610	0.628	0.533	17.09
84)	3,3'-Dichlorob...	0.326	0.390	0.402	0.336	0.315	0.354	11.20
85)	Benzo(a)anthra...	1.221	1.325	1.325	1.382	1.372	1.325	4.84
86)	Bis(2-ethylhex...	0.602	0.736	0.819	0.921	0.943	0.804	17.43
87)	Chrysene	1.166	1.258	1.265	1.305	1.287	1.256	4.27
88) I	Perylene-d12	-----ISTD-----						
89)	Di-n-octyl pht...	1.061	1.237	1.458	1.588	1.519	1.373	15.89
90)	Benzo(b)fluora...	1.127	1.228	1.316	1.353	1.392	1.283	8.29
91)	Benzo(k)fluora...	1.141	1.237	1.344	1.369	1.442	1.306	9.04
92) S	Benzo(a)pyrene...	0.871	0.972	1.089	1.156	1.191	1.056	12.57
93) C	Benzo(a)pyrene	1.015	1.117	1.232	1.285	1.323	1.194	10.63
94)	Indeno(1,2,3-c...	1.274	1.422	1.558	1.667	1.748	1.534	12.37
95)	Dibenzo(a,h)an...	1.063	1.176	1.292	1.365	1.411	1.261	11.27
96)	Benzo(g,h,i)pe...	1.027	1.154	1.251	1.319	1.373	1.225	11.25

(#) = Out of Range