

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : SFAM-EPA-BN091225.MA.M
 Title : SVOA CALIBRATION
 Last Update : Fri Sep 12 15:43:05 2025
 Response Via : Initial Calibration

Calibration Files

5 =BN037707.D 10 =BN037708.D 20 =BN037709.D 40 =BN037710.D 80 =BN037711.D 160 =BN037712.D

	Compound	5	10	20	40	80	160	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----							
2)	1,4-Dioxane	0.471	0.495	0.528	0.518	0.501		0.503	4.39
3) S	1,4-Dioxane-d8	0.447	0.453	0.492	0.494	0.475		0.472	4.50
4) S	Pyridine-d5		1.224	1.394	1.361	1.318	1.267	1.313	5.24
5)	Pyridine		1.269	1.451	1.392	1.368	1.303	1.357	5.30
6)	Benzaldehyde		0.887	0.975	0.756	0.534	0.343	0.699	37.09
7) S	Phenol-d5		1.376	1.625	1.512	1.493	1.455	1.492	6.07
8)	Phenol		1.470	1.685	1.580	1.540	1.490	1.553	5.50
9) S	Bis-(2-Chloroe...		0.903	1.011	0.921	0.899	0.865	0.920	5.93
10)	Bis(2-Chloroet...		1.211	1.361	1.247	1.212	1.159	1.238	6.10
11) S	2-Chlorophenol-d4	1.014	1.166	1.383	1.299	1.294		1.231	11.69
12)	2-Chlorophenol	1.109	1.220	1.437	1.348	1.326		1.288	9.81
13)	2-Methylphenol		1.054	1.271	1.155	1.142	1.102	1.145	7.06
14)	2,2'-oxybis(1-...		1.673	1.907	1.707	1.657	1.584	1.706	7.10
15) S	4-Methylphenol-d8		1.076	1.303	1.172	1.173	1.149	1.175	6.97
16)	Acetophenone		1.837	2.106	1.868	1.811	1.733	1.871	7.52
17) P	N-Nitroso-di-n...	0.734	0.829	0.978	0.866	0.856		0.853	10.27
18)	4-Methylphenol		1.161	1.363	1.250	1.214	1.188	1.235	6.36
19)	Hexachloroethane	0.504	0.529	0.592	0.564	0.553		0.548	6.14
20) I	Naphthalene-d8	-----ISTD-----							
21) S	Nitrobenzene-d5	0.123	0.140	0.165	0.164	0.163		0.151	12.42
22)	Nitrobenzene	0.303	0.333	0.373	0.363	0.354		0.345	8.08
23)	Isophorone	0.487	0.582	0.670	0.627	0.627		0.599	11.65
24) S	2-Nitrophenol-d4	0.079	0.100	0.141	0.143	0.154		0.123	26.21
25) C	2-Nitrophenol	0.098	0.124	0.165	0.167	0.174		0.146	22.66#
26)	2,4-Dimethylph...	0.294	0.319	0.366	0.341	0.340		0.332	8.03
27)	Bis(2-Chloroet...	0.354	0.396	0.437	0.406	0.403		0.399	7.49
28) S	2,4-Dichloroph...	0.223	0.265	0.313	0.303	0.305		0.282	13.45
29) C	2,4-Dichloroph...	0.241	0.273	0.320	0.304	0.301		0.288	10.85
30)	Naphthalene	0.996	1.067	1.142	1.085	1.051		1.068	4.99
31) S	4-Chloroanilin...		0.407	0.449	0.433	0.424	0.424	0.427	3.61
32)	4-Chloroaniline		0.412	0.460	0.428	0.419	0.418	0.427	4.48
33) C	Hexachlorobuta...	0.182	0.199	0.212	0.207	0.203		0.201	5.56
34)	Caprolactam		0.068	0.085	0.085	0.090	0.098	0.085	13.01
35) C	4-Chloro-3-met...	0.210	0.258	0.303	0.292	0.291		0.271	13.99
36)	2-Methylnaphth...	0.610	0.705	0.771	0.720	0.705		0.702	8.28
37)	1-Methylnaphth...	0.620	0.690	0.762	0.707	0.694		0.695	7.29
38) I	Acenaphthene-d10	-----ISTD-----							
39)	1,2,4,5-Tetrac...	0.579	0.598	0.662	0.646	0.635		0.624	5.52
40)	Hexachlorocycl...		0.345	0.402	0.406	0.427	0.419	0.400	8.03
41) C	2,4,6-Trichlor...	0.237	0.301	0.386	0.375	0.388		0.337	19.66
42)	2,4,5-Trichlor...	0.311	0.358	0.433	0.426	0.430		0.392	13.98
43)	1,1'-Biphenyl	1.408	1.506	1.664	1.594	1.530		1.540	6.25
44)	2-Chloronaphth...	1.126	1.189	1.293	1.233	1.221		1.213	5.07
45)	2-Nitroaniline	0.212	0.236	0.302	0.308	0.322		0.276	17.61
46) S	Dimethylphthal...	1.183	1.287	1.443	1.376	1.389		1.335	7.63
47)	Dimethylphthalate	1.194	1.292	1.435	1.381	1.374		1.335	7.04
48)	2,6-Dinitrotol...	0.166	0.210	0.267	0.268	0.282		0.239	20.55
49) S	Acenaphthylene-d8	1.427	1.613	1.817	1.757	1.729		1.669	9.24
50)	Acenaphthylene	1.714	1.894	2.093	2.013	1.969		1.936	7.43
51)	3-Nitroaniline		0.226	0.282	0.268	0.259	0.243	0.256	8.53
52) C	Acenaphthene	1.171	1.227	1.331	1.298	1.273		1.260	4.96
53)	2,4-Dinitrophenol		0.056	0.083	0.095	0.119	0.150	0.101	35.32
54) S	4-Nitrophenol-d4		0.178	0.243	0.261	0.280	0.289	0.250	17.54
55)	4-Nitrophenol		0.154	0.186	0.199	0.206	0.208	0.191	11.66

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56)	Dibenzofuran	1.610	1.698	1.804	1.751	1.733	1.719	4.19	
57)	2,4-Dinitrotol...	0.240	0.298	0.381	0.386	0.405	0.342	20.57	
58)	2,3,4,6-Tetrac...	0.185	0.240	0.306	0.312	0.327	0.274	21.89	
59)	Diethylphthalate	1.107	1.211	1.384	1.315	1.327	1.269	8.67	
60) S	Fluorene-d10	1.086	1.162	1.277	1.234	1.213	1.194	6.17	
61)	Fluorene	1.318	1.375	1.465	1.432	1.376	1.393	4.07	
62)	4-Chlorophenyl...	0.606	0.674	0.718	0.685	0.670	0.670	6.11	
63)	4-Nitroaniline	0.228	0.274	0.259	0.231	0.211	0.241	10.47	
64) I	Phenanthrene-d10	-----ISTD-----							
65) S	4,6-Dinitro-2-...	0.053	0.079	0.089	0.108	0.122	0.090	29.78	
66)	4,6-Dinitro-2-...	0.063	0.093	0.099	0.119	0.129	0.101	25.33	
67)	N-Nitrosodiphe...	0.559	0.618	0.691	0.675	0.664	0.641	8.39	
68)	4-Bromophenyl-...	0.182	0.217	0.247	0.244	0.235	0.225	11.93	
69)	Hexachlorobenzene	0.246	0.269	0.292	0.291	0.278	0.275	6.95	
70)	Atrazine	0.184	0.221	0.224	0.227	0.222	0.216	8.36	
71) C	Pentachlorophenol	0.105	0.150	0.151	0.173	0.177	0.151	19.08	
72)	Phenanthrene	1.068	1.130	1.211	1.213	1.173	1.159	5.28	
73) S	Anthracene-d10	0.868	0.954	1.056	1.059	1.035	0.994	8.29	
74)	Anthracene	1.059	1.135	1.239	1.239	1.202	1.175	6.60	
75)	1,2,3,4-Tetrac...	0.310	0.337	0.387	0.379	0.366	0.356	9.02	
76)	Pentachloroben...	0.309	0.331	0.363	0.356	0.346	0.341	6.41	
77)	Carbazole	0.975	1.062	1.077	1.067	1.024	1.041	4.00	
78)	Di-n-butylphth...	0.781	0.956	1.164	1.172	1.208	1.056	17.33	
79) I	Chrysene-d12	-----ISTD-----							
80)	Fluoranthene	1.006	1.201	1.377	1.266	1.251	1.220	11.15	
81) S	Pyrene-d10	0.850	1.038	1.185	1.092	1.062	1.045	11.72	
82)	Pyrene	1.115	1.317	1.441	1.338	1.276	1.298	9.16	
83)	Butylbenzylpht...	0.219	0.292	0.430	0.415	0.476	0.366	29.13	
84)	3,3'-Dichlorob...	0.313	0.413	0.406	0.400	0.399	0.386	10.65	
85)	Benzo(a)anthra...	1.107	1.254	1.413	1.329	1.310	1.283	8.85	
86)	Bis(2-ethylhex...	0.337	0.447	0.656	0.633	0.688	0.552	27.65	
87)	Chrysene	1.111	1.194	1.328	1.263	1.236	1.226	6.59	
88) I	Perylene-d12	-----ISTD-----							
89)	Di-n-octyl pht...	0.640	0.886	0.933	1.091	1.159	0.942	21.47	
90)	Benzo(b)fluora...	0.948	1.114	1.275	1.305	1.261	1.181	12.65	
91)	Benzo(k)fluora...	1.012	1.118	1.265	1.256	1.306	1.191	10.32	
92) S	Benzo(a)pyrene...	0.793	0.907	1.080	1.122	1.146	1.010	15.18	
93) C	Benzo(a)pyrene	0.919	1.078	1.210	1.202	1.250	1.132	11.96	
94)	Indeno(1,2,3-c...	1.209	1.358	1.619	1.595	1.624	1.481	12.69	
95)	Dibenzo(a,h)an...	0.996	1.121	1.321	1.327	1.355	1.224	12.91	
96)	Benzo(g,h,i)pe...	1.027	1.139	1.306	1.297	1.299	1.213	10.37	

(#) = Out of Range