

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : SFAM-EPA-BP030425.MA.M
 Title : SVOA CALIBRATION
 Last Update : Tue Mar 04 14:51:41 2025
 Response Via : Initial Calibration

Calibration Files

5 =BP024144.D 10 =BP024145.D 20 =BP024146.D 40 =BP024147.D 80 =BP024148.D 160 =BP024149.D

	Compound	5	10	20	40	80	160	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----							
2)	1,4-Dioxane	0.518	0.491	0.598	0.553	0.488		0.530	8.74
3) S	1,4-Dioxane-d8	0.494	0.475	0.559	0.523	0.460		0.502	7.84
4) S	Pyridine-d5		1.278	1.593	1.493	1.436	1.422	1.444	7.95
5)	Pyridine		1.324	1.621	1.505	1.437	1.425	1.462	7.50
6)	Benzaldehyde		1.039	1.170	1.010	0.841	0.515	0.915	27.60
7) S	Phenol-d5		1.578	1.888	1.740	1.799	1.867	1.774	7.01
8)	Phenol		1.675	1.972	1.825	1.849	1.899	1.844	5.96
9) S	Bis-(2-Chloroe...		0.940	1.074	0.969	0.959	0.945	0.977	5.64
10)	Bis(2-Chloroet...		1.325	1.544	1.384	1.384	1.376	1.403	5.88
11) S	2-Chlorophenol-d4	1.207	1.259	1.525	1.409	1.410		1.362	9.40
12)	2-Chlorophenol	1.277	1.345	1.576	1.462	1.443		1.421	8.07
13)	2-Methylphenol		1.222	1.424	1.309	1.369	1.414	1.348	6.22
14)	2,2'-oxybis(1-...		1.450	1.625	1.435	1.440	1.407	1.471	5.93
15) S	4-Methylphenol-d8		1.250	1.487	1.345	1.427	1.497	1.401	7.40
16)	Acetophenone		2.097	2.330	2.085	2.190	2.141	2.169	4.56
17) P	N-Nitroso-di-n...	0.919	1.012	1.119	0.988	1.047		1.017	7.26
18)	4-Methylphenol		1.367	1.590	1.440	1.510	1.559	1.493	6.06
19)	Hexachloroethane	0.532	0.544	0.628	0.570	0.558		0.566	6.58
20) I	Naphthalene-d8	-----ISTD-----							
21) S	Nitrobenzene-d5	0.141	0.149	0.179	0.171	0.168		0.161	9.92
22)	Nitrobenzene	0.335	0.340	0.402	0.379	0.359		0.363	7.64
23)	Isophorone	0.606	0.664	0.743	0.682	0.706		0.680	7.49
24) S	2-Nitrophenol-d4	0.136	0.151	0.188	0.181	0.187		0.169	13.96
25) C	2-Nitrophenol	0.156	0.173	0.209	0.197	0.198		0.187	11.67
26)	2,4-Dimethylph...	0.310	0.318	0.374	0.340	0.332		0.335	7.41
27)	Bis(2-Chloroet...	0.400	0.420	0.478	0.436	0.431		0.433	6.61
28) S	2,4-Dichloroph...	0.254	0.283	0.340	0.318	0.321		0.303	11.45
29) C	2,4-Dichloroph...	0.273	0.292	0.344	0.320	0.319		0.310	9.00
30)	Naphthalene	1.051	1.038	1.184	1.096	1.046		1.083	5.63
31) S	4-Chloroanilin...		0.438	0.503	0.458	0.462	0.456	0.463	5.22
32)	4-Chloroaniline		0.424	0.483	0.437	0.436	0.430	0.442	5.27
33) C	Hexachlorobuta...	0.176	0.183	0.210	0.194	0.184		0.190	6.82
34)	Caprolactam		0.104	0.119	0.110	0.123	0.131	0.118	9.09
35) C	4-Chloro-3-met...	0.276	0.306	0.353	0.327	0.348		0.322	9.90
36)	2-Methylnaphth...	0.690	0.712	0.792	0.727	0.731		0.731	5.22
37)	1-Methylnaphth...	0.670	0.714	0.789	0.716	0.723		0.722	5.90
38) I	Acenaphthene-d10	-----ISTD-----							
39)	1,2,4,5-Tetrac...	0.567	0.572	0.666	0.630	0.587		0.604	7.03
40)	Hexachlorocycl...		0.268	0.351	0.345	0.313	0.293	0.314	11.10
41) C	2,4,6-Trichlor...	0.313	0.355	0.425	0.407	0.401		0.380	12.03
42)	2,4,5-Trichlor...	0.347	0.382	0.462	0.442	0.436		0.414	11.54
43)	1,1'-Biphenyl	1.471	1.476	1.664	1.562	1.432		1.521	6.12
44)	2-Chloronaphth...	1.127	1.138	1.283	1.230	1.121		1.180	6.19
45)	2-Nitroaniline	0.257	0.288	0.339	0.328	0.323		0.307	11.00
46) S	Dimethylphthal...	1.371	1.438	1.585	1.440	1.412		1.449	5.57
47)	Dimethylphthalate	1.387	1.428	1.596	1.446	1.393		1.450	5.88
48)	2,6-Dinitrotol...	0.233	0.264	0.314	0.297	0.314		0.284	12.41
49) S	Acenaphthylene-d8	1.511	1.633	1.861	1.743	1.657		1.681	7.77
50)	Acenaphthylene	1.728	1.785	1.983	1.877	1.734		1.821	5.97
51)	3-Nitroaniline		0.301	0.357	0.340	0.338	0.317	0.331	6.65
52) C	Acenaphthene	1.237	1.246	1.391	1.301	1.235		1.282	5.21
53)	2,4-Dinitrophenol		0.120	0.165	0.172	0.203	0.226	0.177	22.76
54) S	4-Nitrophenol-d4		0.253	0.310	0.303	0.307	0.310	0.297	8.34
55)	4-Nitrophenol		0.188	0.217	0.214	0.207	0.202	0.206	5.60

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56)	Dibenzofuran	1.715	1.759	1.937	1.766	1.663	1.768	5.82	
57)	2,4-Dinitrotol...	0.357	0.398	0.470	0.440	0.451	0.423	10.77	
58)	2,3,4,6-Tetrac...	0.284	0.325	0.377	0.355	0.362	0.340	10.84	
59)	Diethylphthalate	1.364	1.414	1.587	1.401	1.409	1.435	6.08	
60) S	Fluorene-d10	1.163	1.215	1.357	1.233	1.189	1.231	6.09	
61)	Fluorene	1.408	1.426	1.592	1.451	1.350	1.445	6.23	
62)	4-Chlorophenyl...	0.686	0.687	0.758	0.692	0.668	0.698	4.94	
63)	4-Nitroaniline	0.320	0.374	0.351	0.317	0.265	0.325	12.63	
-----ISTD-----									
64) I	Phenanthrene-d10								
65) S	4,6-Dinitro-2-...	0.096	0.128	0.128	0.140	0.139	0.126	14.14	
66)	4,6-Dinitro-2-...	0.109	0.142	0.141	0.150	0.147	0.138	12.06	
67)	N-Nitrosodiphe...	0.559	0.585	0.678	0.636	0.592	0.610	7.72	
68)	4-Bromophenyl...	0.193	0.208	0.247	0.226	0.227	0.220	9.24	
69)	Hexachlorobenzene	0.246	0.260	0.291	0.275	0.267	0.268	6.32	
70)	Atrazine	0.214	0.252	0.229	0.218	0.191	0.221	10.15	
71) C	Pentachlorophenol	0.138	0.173	0.172	0.182	0.174	0.168	10.20	
72)	Phenanthrene	1.111	1.096	1.244	1.177	1.089	1.143	5.80	
73) S	Anthracene-d10	0.905	0.937	1.084	1.010	0.944	0.976	7.29	
74)	Anthracene	1.100	1.111	1.263	1.195	1.092	1.152	6.47	
75)	1,2,3,4-Tetrac...	0.263	0.277	0.337	0.326	0.302	0.301	10.39	
76)	Pentachloroben...	0.281	0.301	0.348	0.334	0.312	0.315	8.44	
77)	Carbazole	1.033	1.175	1.116	1.031	0.875	1.046	10.83	
78)	Di-n-butylphth...	1.064	1.143	1.371	1.274	1.240	1.218	9.75	
-----ISTD-----									
79) I	Chrysene-d12								
80)	Fluoranthene	1.023	1.176	1.328	1.117	1.197	1.168	9.57	
81) S	Pyrene-d10	0.868	1.011	1.137	0.965	1.028	1.002	9.77	
82)	Pyrene	1.157	1.286	1.413	1.206	1.232	1.259	7.79	
83)	Butylbenzylpht...	0.415	0.476	0.582	0.512	0.553	0.508	12.94	
84)	3,3'-Dichlorob...	0.385	0.465	0.436	0.389	0.325	0.400	13.39	
85)	Benzo(a)anthra...	1.250	1.267	1.440	1.342	1.244	1.309	6.36	
86)	Bis(2-ethylhex...	0.671	0.709	0.861	0.772	0.796	0.762	9.80	
87)	Chrysene	1.197	1.194	1.354	1.249	1.152	1.229	6.32	
-----ISTD-----									
88) I	Perylene-d12								
89)	Di-n-octyl pht...	1.058	1.299	1.148	1.237	1.096	1.168	8.55	
90)	Benzo(b)fluora...	1.084	1.130	1.305	1.220	1.207	1.190	7.19	
91)	Benzo(k)fluora...	1.122	1.137	1.326	1.234	1.219	1.207	6.80	
92) S	Benzo(a)pyrene...	0.934	0.960	1.144	1.083	1.064	1.037	8.46	
93) C	Benzo(a)pyrene	1.029	1.063	1.240	1.170	1.122	1.125	7.49	
94)	Indeno(1,2,3-c...	1.384	1.340	1.639	1.578	1.495	1.487	8.48	
95)	Dibenzo(a,h)an...	1.124	1.092	1.333	1.281	1.208	1.208	8.46	
96)	Benzo(g,h,i)pe...	1.086	1.048	1.263	1.227	1.148	1.154	7.89	

(#) = Out of Range