

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
 Method File : SOM01.2-EPA-BM041515.M
 Title : SVOA CALIBRATION
 Last Update : Thu Apr 16 05:47:45 2015
 Response Via : Initial Calibration

Calibration Files

5 =BM001008.D 10 =BM001009.D 20 =BM001010.D
 40 =BM001011.D 80 =BM001012.D

	Compound	5	10	20	40	80	Avg	%RSD

1) I	1,4-Dichlorobenzene-d	-----ISTD-----						
2)	1,4-Dioxane	0.467	0.466	0.434	0.435	0.418	0.444	4.91
3) S	1,4-Dioxane-d8	0.447	0.437	0.422	0.439	0.400	0.429	4.29
4)	Benzaldehyde	0.933	0.997	1.028	1.009	1.036	1.001	4.07
5) S	Phenol-d5	1.472	1.503	1.585	1.541	1.700	1.560	5.68
6)	Phenol	1.546	1.622	1.661	1.636	1.787	1.650	5.33
7) S	Bis-(2-Chloroethyl)	0.974	0.982	0.983	0.931	0.991	0.972	2.45
8)	Bis(2-Chloroethyl)e	1.291	1.315	1.318	1.288	1.367	1.316	2.40
9) S	2-Chlorophenol-d4	1.198	1.245	1.275	1.265	1.359	1.269	4.64
10)	2-Chlorophenol	1.349	1.313	1.331	1.306	1.414	1.343	3.23
11)	2-Methylphenol	1.143	1.217	1.265	1.215	1.382	1.245	7.10
12)	2,2'-oxybis(1-Chlor	2.338	2.377	2.374	2.237	2.398	2.345	2.73
13) S	4-Methylphenol-d8	1.111	1.197	1.254	1.204	1.390	1.231	8.34
14)	Acetophenone	1.928	1.932	2.035	1.922	2.167	1.997	5.30
15) P	N-Nitroso-di-n-prop	0.903	0.960	1.013	0.974	1.117	0.993	8.01
16)	4-Methylphenol	1.265	1.322	1.377	1.321	1.508	1.358	6.80
17)	Hexachloroethane	0.498	0.523	0.513	0.523	0.546	0.521	3.36
18) I	Naphthalene-d8	-----ISTD-----						
19) S	Nitrobenzene-d5	0.121	0.127	0.136	0.142	0.147	0.135	7.97
20)	Nitrobenzene	0.326	0.344	0.356	0.357	0.361	0.349	4.07
21)	Isophorone	0.554	0.594	0.632	0.622	0.681	0.616	7.63
22) S	2-Nitrophenol-d4	0.131	0.140	0.155	0.157	0.171	0.151	10.49
23) C	2-Nitrophenol	0.143	0.161	0.168	0.175	0.182	0.166	8.98
24)	2,4-Dimethylphenol	0.339	0.343	0.352	0.348	0.365	0.350	2.86
25)	Bis(2-Chloroethoxy)	0.391	0.410	0.412	0.403	0.418	0.407	2.52
26) S	2,4-Dichlorophenol-	0.266	0.290	0.298	0.298	0.316	0.294	6.11
27) C	2,4-Dichlorophenol	0.278	0.289	0.296	0.295	0.309	0.293	3.85
28)	Naphthalene	1.048	1.052	1.044	1.015	1.026	1.037	1.54
29) S	4-Chloroaniline-d4	0.217	0.243	0.287	0.335	0.347	0.286	19.78
30)	4-Chloroaniline	0.223	0.254	0.294	0.336	0.350	0.291	18.48
31) C	Hexachlorobutadiene	0.176	0.179	0.176	0.176	0.174	0.176	0.94
32)	Caprolactam	0.058	0.070	0.078	0.083	0.100	0.078	19.97
33) C	4-Chloro-3-methylph	0.279	0.290	0.304	0.298	0.333	0.301	6.70
34)	2-Methylnaphthalene	0.731	0.725	0.722	0.705	0.739	0.724	1.76
35) I	Acenaphthene-d10	-----ISTD-----						
36)	1,2,4,5-Tetrachloro	0.616	0.642	0.613	0.618	0.597	0.617	2.63
37)	Hexachlorocyclopent	0.270	0.301	0.336	0.355	0.356	0.323	11.47
38) C	2,4,6-Trichlorophen	0.362	0.360	0.380	0.387	0.399	0.377	4.45
39)	2,4,5-Trichlorophen	0.355	0.394	0.416	0.424	0.434	0.405	7.76
40)	1,1'-Biphenyl	1.682	1.706	1.696	1.671	1.619	1.675	2.04
41)	2-Chloronaphthalene	1.293	1.295	1.286	1.288	1.244	1.281	1.65
42)	2-Nitroaniline		0.300	0.334	0.363	0.396	0.348	11.74
43) S	Dimethylphthalate-d	1.288	1.317	1.320	1.341	1.397	1.333	3.08
44)	Dimethylphthalate	1.464	1.502	1.470	1.490	1.537	1.493	1.95
45)	2,6-Dinitrotoluene	0.220	0.254	0.280	0.303	0.332	0.278	15.65
46) S	Acenaphthylene-d8	1.799	1.891	1.941	1.953	1.951	1.907	3.44
47)	Acenaphthylene	2.033	2.060	2.103	2.086	2.061	2.069	1.30
48)	3-Nitroaniline		0.229	0.245	0.291	0.295	0.265	12.50
49) C	Acenaphthene	1.371	1.388	1.357	1.352	1.355	1.365	1.11
50)	2,4-Dinitrophenol		0.105	0.136	0.163	0.205	0.152	27.75
51) S	4-Nitrophenol-d4		0.225	0.238	0.272	0.301	0.259	13.24

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	Compound	5	10	20	40	80	Avg	%RSD
52)	4-Nitrophenol		0.176	0.183	0.205	0.219	0.196	10.17
53)	Dibenzofuran	1.936	1.938	1.868	1.876	1.871	1.898	1.89
54)	2,4-Dinitrotoluene	0.338	0.383	0.410	0.442	0.487	0.412	13.75
55)	2,3,4,6-Tetrachloro	0.303	0.315	0.320	0.340	0.366	0.329	7.57
56)	Diethylphthalate	1.415	1.472	1.437	1.493	1.583	1.480	4.39
57) S	Fluorene-d10	1.360	1.342	1.292	1.301	1.329	1.325	2.13
58)	Fluorene	1.556	1.588	1.539	1.553	1.574	1.562	1.22
59)	4-Chlorophenyl-phen	0.758	0.763	0.728	0.735	0.742	0.745	1.99
60)	4-Nitroaniline		0.285	0.300	0.346	0.385	0.329	13.85
61) I	Phenanthrene-d10	-----ISTD-----						
62) S	4,6-Dinitro-2-methy		0.089	0.105	0.114	0.126	0.109	14.18
63)	4,6-Dinitro-2-methy		0.098	0.114	0.123	0.134	0.117	12.66
64)	N-Nitrosodiphenylam	0.602	0.617	0.633	0.617	0.613	0.616	1.82
65)	4-Bromophenyl-pheny	0.184	0.195	0.197	0.195	0.199	0.194	2.88
66)	Hexachlorobenzene	0.220	0.220	0.223	0.216	0.214	0.219	1.66
67)	Atrazine	0.176	0.189	0.200	0.206	0.216	0.197	7.83
68) C	Pentachlorophenol		0.094	0.110	0.121	0.138	0.116	15.67
69)	Phenanthrene	1.137	1.143	1.116	1.117	1.085	1.120	2.02
70) S	Anthracene-d10	0.877	0.909	0.914	0.915	0.912	0.905	1.77
71)	Anthracene	1.145	1.163	1.139	1.144	1.109	1.140	1.72
72)	Carbazole	0.990	1.014	1.000	1.035	1.027	1.013	1.84
73)	Di-n-butylphthalate	1.015	1.066	1.124	1.184	1.229	1.124	7.71
74) C	Fluoranthene	1.204	1.219	1.173	1.234	1.207	1.207	1.87
75) I	Chrysene-d12	-----ISTD-----						
76) S	Pyrene-d10	0.888	0.920	0.958	0.909	0.967	0.928	3.61
77)	Pyrene	1.266	1.272	1.322	1.230	1.260	1.270	2.60
78)	Butylbenzylphthalat	0.387	0.420	0.469	0.488	0.570	0.467	15.09
79)	3,3'-Dichlorobenzid	0.247	0.294	0.311	0.337	0.331	0.304	11.92
80)	Benzo(a)anthracene	1.153	1.191	1.182	1.149	1.139	1.163	1.94
81)	Bis(2-ethylhexyl)ph	0.591	0.653	0.700	0.737	0.809	0.698	11.82
82)	Chrysene	1.132	1.151	1.104	1.094	1.058	1.108	3.21
83) I	Perylene-d12	-----ISTD-----						
84)	Di-n-octyl phthalat	1.119	1.210	1.309	1.363	1.566	1.313	12.91
85)	Benzo(b)fluoranthen	1.189	1.246	1.241	1.190	1.303	1.234	3.82
86)	Benzo(k)fluoranthen	1.124	1.138	1.154	1.196	1.159	1.154	2.33
87) S	Benzo(a)pyrene-d12	0.865	0.889	0.897	0.905	0.921	0.895	2.33
88) C	Benzo(a)pyrene	1.125	1.147	1.166	1.167	1.168	1.155	1.62
89)	Indeno(1,2,3-cd)pyr	1.235	1.273	1.262	1.294	1.214	1.256	2.52
90)	Dibenzo(a,h)anthrac	1.054	1.076	1.057	1.086	1.011	1.057	2.73
91)	Benzo(g,h,i)perylene	1.042	1.088	1.071	1.093	1.012	1.061	3.20

(#) = Out of Range