

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
 Method File : SOM01.2-EPA-BM012915.M
 Title : SVOA CALIBRATION
 Last Update : Fri Jan 30 14:59:47 2015
 Response Via : Initial Calibration

Calibration Files

5 =BM000389.D 10 =BM000390.D 20 =BM000391.D
 40 =BM000392.D 80 =BM000393.D

	Compound	5	10	20	40	80	Avg	%RSD

1) I	1,4-Dichlorobenzene-d	-----ISTD-----						
2)	1,4-Dioxane	0.169	0.161	0.148	0.139	0.139	0.151	8.88
3) S	1,4-Dioxane-d8	0.102	0.112	0.115	0.104	0.106	0.108	5.11
4)	Benzaldehyde	0.964	1.042	1.021	0.967	0.655	0.930	16.93
5) S	Phenol-d5	1.236	1.392	1.416	1.480	1.553	1.415	8.36
6)	Phenol	1.256	1.417	1.447	1.496	1.571	1.438	8.13
7) S	Bis-(2-Chloroethyl)	0.865	0.907	0.891	0.901	0.905	0.894	1.94
8)	Bis(2-Chloroethyl)e	1.062	1.143	1.143	1.145	1.170	1.133	3.61
9) S	2-Chlorophenol-d4	1.043	1.154	1.149	1.221	1.284	1.170	7.69
10)	2-Chlorophenol	1.066	1.167	1.202	1.240	1.297	1.194	7.25
11)	2-Methylphenol	0.991	1.178	1.188	1.277	1.281	1.183	9.95
12)	2,2'-oxybis(1-Chlor	2.290	2.425	2.353	2.363	2.360	2.358	2.03
13) S	4-Methylphenol-d8	1.080	1.177	1.217	1.289	1.316	1.216	7.75
14)	Acetophenone	2.009	2.196	2.102	2.179	2.209	2.139	3.91
15) P	N-Nitroso-di-n-prop	0.931	1.052	1.060	1.097	1.111	1.050	6.78
16)	4-Methylphenol	1.110	1.267	1.304	1.349	1.370	1.280	8.04
17)	Hexachloroethane	0.550	0.579	0.572	0.586	0.606	0.579	3.48
18) I	Naphthalene-d8	-----ISTD-----						
19) S	Nitrobenzene-d5	0.124	0.125	0.134	0.141	0.146	0.134	7.40
20)	Nitrobenzene	0.354	0.376	0.393	0.404	0.411	0.388	5.89
21)	Isophorone	0.628	0.673	0.686	0.731	0.726	0.689	6.11
22) S	2-Nitrophenol-d4	0.121	0.134	0.140	0.153	0.163	0.142	11.51
23) C	2-Nitrophenol	0.144	0.146	0.156	0.166	0.170	0.156	7.32
24)	2,4-Dimethylphenol	0.371	0.405	0.404	0.423	0.427	0.406	5.42
25)	Bis(2-Chloroethoxy)	0.364	0.376	0.370	0.375	0.376	0.372	1.48
26) S	2,4-Dichlorophenol-	0.281	0.298	0.317	0.329	0.341	0.313	7.73
27) C	2,4-Dichlorophenol	0.286	0.308	0.309	0.331	0.334	0.314	6.34
28)	Naphthalene	0.971	1.008	0.989	1.010	1.021	1.000	2.00
29) S	4-Chloroaniline-d4	0.345	0.399	0.398	0.401	0.329	0.374	9.23
30)	4-Chloroaniline	0.363	0.415	0.410	0.410	0.340	0.388	8.75
31) C	Hexachlorobutadiene	0.246	0.254	0.250	0.260	0.261	0.254	2.40
32)	Caprolactam	0.071	0.080	0.087	0.092	0.094	0.085	11.14
33) C	4-Chloro-3-methylph	0.340	0.376	0.384	0.396	0.392	0.377	5.93
34)	2-Methylnaphthalene	0.752	0.785	0.778	0.786	0.784	0.777	1.83
35) I	Acenaphthene-d10	-----ISTD-----						
36)	1,2,4,5-Tetrachloro	0.566	0.598	0.598	0.615	0.620	0.600	3.51
37)	Hexachlorocyclopent	0.319	0.341	0.367	0.409	0.426	0.372	12.10
38) C	2,4,6-Trichlorophen	0.327	0.351	0.367	0.387	0.397	0.366	7.64
39)	2,4,5-Trichlorophen	0.357	0.396	0.408	0.430	0.421	0.402	7.05
40)	1,1'-Biphenyl	1.387	1.453	1.435	1.496	1.477	1.450	2.89
41)	2-Chloronaphthalene	1.102	1.126	1.108	1.160	1.150	1.129	2.25
42)	2-Nitroaniline		0.304	0.344	0.394	0.401	0.361	12.64
43) S	Dimethylphthalate-d	1.432	1.501	1.484	1.556	1.521	1.499	3.06
44)	Dimethylphthalate	1.453	1.539	1.496	1.549	1.516	1.511	2.52
45)	2,6-Dinitrotoluene	0.223	0.262	0.278	0.310	0.310	0.276	13.14
46) S	Acenaphthylene-d8	1.656	1.774	1.756	1.846	1.820	1.770	4.15
47)	Acenaphthylene	1.741	1.818	1.793	1.882	1.871	1.821	3.19
48)	3-Nitroaniline		0.256	0.272	0.289	0.257	0.268	5.82
49) C	Acenaphthene	1.135	1.171	1.156	1.224	1.208	1.179	3.10
50)	2,4-Dinitrophenol		0.111	0.134	0.171	0.175	0.148	20.74
51) S	4-Nitrophenol-d4		0.211	0.218	0.247	0.237	0.228	7.25

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	Compound	5	10	20	40	80	Avg	%RSD

52)	4-Nitrophenol		0.351	0.359	0.406	0.389	0.376	6.84
53)	Dibenzofuran	1.695	1.779	1.734	1.816	1.766	1.758	2.61
54)	2,4-Dinitrotoluene	0.367	0.418	0.419	0.466	0.447	0.423	8.81
55)	2,3,4,6-Tetrachloro	0.315	0.340	0.351	0.386	0.389	0.356	8.81
56)	Diethylphthalate	1.475	1.606	1.577	1.679	1.628	1.593	4.75
57) S	Fluorene-d10	1.273	1.335	1.284	1.350	1.319	1.312	2.48
58)	Fluorene	1.397	1.470	1.432	1.516	1.519	1.467	3.61
59)	4-Chlorophenyl-phen	0.741	0.782	0.752	0.797	0.801	0.775	3.48
60)	4-Nitroaniline		0.276	0.288	0.317	0.265	0.287	7.80

61) I	Phenanthrene-d10	-----ISTD-----						
62) S	4,6-Dinitro-2-methy		0.094	0.105	0.116	0.122	0.109	11.57
63)	4,6-Dinitro-2-methy		0.098	0.106	0.118	0.124	0.111	10.47
64)	N-Nitrosodiphenylam	0.536	0.552	0.554	0.564	0.590	0.559	3.56
65)	4-Bromophenyl-pheny	0.202	0.212	0.214	0.216	0.222	0.213	3.44
66)	Hexachlorobenzene	0.239	0.246	0.241	0.248	0.254	0.246	2.45
67)	Atrazine	0.210	0.230	0.232	0.236	0.223	0.226	4.55
68) C	Pentachlorophenol		0.122	0.131	0.144	0.154	0.138	10.24
69)	Phenanthrene	1.053	1.109	1.083	1.106	1.106	1.092	2.19
70) S	Anthracene-d10	0.886	0.934	0.923	0.943	0.949	0.927	2.69
71)	Anthracene	1.077	1.110	1.093	1.108	1.109	1.099	1.29
72)	Carbazole	0.905	0.950	0.943	0.968	0.945	0.942	2.42
73)	Di-n-butylphthalate	1.034	1.101	1.124	1.195	1.170	1.124	5.59
74) C	Fluoranthene	1.259	1.307	1.256	1.321	1.203	1.269	3.69

75) I	Chrysene-d12	-----ISTD-----						
76) S	Pyrene-d10	0.933	0.969	1.047	1.017	1.197	1.032	9.86
77)	Pyrene	1.201	1.265	1.369	1.303	1.536	1.335	9.58
78)	Butylbenzylphthalat	0.378	0.434	0.476	0.525	0.577	0.478	16.20
79)	3,3'-Dichlorobenzid	0.305	0.363	0.364	0.389	0.368	0.358	8.77
80)	Benzo(a)anthracene	1.127	1.190	1.158	1.197	1.217	1.178	3.00
81)	Bis(2-ethylhexyl)ph	0.544	0.630	0.659	0.747	0.803	0.677	14.92
82)	Chrysene	1.058	1.108	1.077	1.116	1.125	1.097	2.55

83) I	Perylene-d12	-----ISTD-----						
84)	Di-n-octyl phthalat	1.088	1.238	1.333	1.500	1.535	1.339	13.87
85)	Benzo(b)fluoranthen	1.190	1.262	1.298	1.338	1.317	1.281	4.55
86)	Benzo(k)fluoranthen	1.174	1.263	1.233	1.295	1.298	1.252	4.09
87) S	Benzo(a)pyrene-d12	0.891	0.956	0.949	0.979	0.989	0.953	4.02
88) C	Benzo(a)pyrene	1.082	1.170	1.163	1.198	1.221	1.167	4.50
89)	Indeno(1,2,3-cd)pyr	1.053	1.155	1.160	1.152	1.319	1.168	8.19
90)	Dibenzo(a,h)anthrac	0.871	0.964	0.961	0.961	1.100	0.971	8.43
91)	Benzo(g,h,i)perylene	0.869	0.952	0.974	0.944	1.099	0.967	8.63

(#) = Out of Range