

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : SOM01.2-EPA-BG031715.M
 Title : SVOA CALIBRATION
 Last Update : Sat Mar 21 00:41:50 2015
 Response Via : Initial Calibration

Calibration Files

5 =BG016059.D 10 =BG016060.D 20 =BG016061.D
 40 =BG016062.D 80 =BG016063.D

	Compound	5	10	20	40	80	Avg	%RSD
1) I	1,4-Dichlorobenzene-d	-----ISTD-----						
2)	1,4-Dioxane	0.724	0.602	0.583	0.563	0.533	0.601	12.25
3) S	1,4-Dioxane-d8	0.549	0.465	0.486	0.484	0.458	0.488	7.33
4)	Benzaldehyde	1.092	1.049	1.093	1.074	0.865	1.034	9.34
5) S	Phenol-d5	1.681	1.693	1.805	1.892	1.833	1.781	5.13
6)	Phenol	1.909	1.893	1.984	2.077	1.972	1.967	3.71
7) S	Bis-(2-Chloroethyl)	1.046	0.948	0.979	1.013	0.976	0.992	3.79
8)	Bis(2-Chloroethyl)e	1.580	1.517	1.564	1.596	1.522	1.556	2.25
9) S	2-Chlorophenol-d4	1.341	1.346	1.365	1.452	1.410	1.383	3.43
10)	2-Chlorophenol	1.461	1.438	1.479	1.532	1.466	1.475	2.37
11)	2-Methylphenol	1.350	1.358	1.449	1.528	1.478	1.433	5.39
12)	2,2'-oxybis(1-Chlor	1.774	1.693	1.699	1.746	1.679	1.718	2.32
13) S	4-Methylphenol-d8	1.256	1.290	1.357	1.447	1.404	1.351	5.82
14)	Acetophenone	2.156	2.093	2.174	2.191	2.066	2.136	2.53
15) P	N-Nitroso-di-n-prop	1.126	1.092	1.173	1.231	1.167	1.158	4.51
16)	4-Methylphenol	1.539	1.508	1.617	1.678	1.628	1.594	4.34
17)	Hexachloroethane	0.598	0.557	0.569	0.584	0.565	0.575	2.87
18) I	Naphthalene-d8	-----ISTD-----						
19) S	Nitrobenzene-d5	0.159	0.151	0.159	0.162	0.164	0.159	2.94
20)	Nitrobenzene	0.358	0.352	0.364	0.364	0.356	0.359	1.45
21)	Isophorone	0.713	0.688	0.726	0.727	0.703	0.712	2.30
22) S	2-Nitrophenol-d4	0.131	0.138	0.153	0.166	0.173	0.152	11.70
23) C	2-Nitrophenol	0.159	0.162	0.179	0.194	0.192	0.177	9.11
24)	2,4-Dimethylphenol	0.343	0.338	0.360	0.363	0.356	0.352	3.14
25)	Bis(2-Chloroethoxy)	0.446	0.434	0.449	0.447	0.434	0.442	1.67
26) S	2,4-Dichlorophenol-	0.264	0.263	0.289	0.296	0.294	0.281	5.86
27) C	2,4-Dichlorophenol	0.275	0.282	0.300	0.301	0.296	0.290	4.01
28)	Naphthalene	1.155	1.089	1.111	1.056	0.987	1.080	5.83
29) S	4-Chloroaniline-d4	0.325	0.379	0.448	0.420	0.369	0.388	12.30
30)	4-Chloroaniline	0.341	0.386	0.467	0.436	0.380	0.402	12.30
31) C	Hexachlorobutadiene	0.166	0.158	0.160	0.158	0.153	0.159	3.15
32)	Caprolactam	0.123	0.126	0.144	0.148	0.147	0.137	8.74
33) C	4-Chloro-3-methylph	0.289	0.298	0.323	0.334	0.333	0.315	6.56
34)	2-Methylnaphthalene	0.788	0.781	0.778	0.755	0.719	0.764	3.66
35) I	Acenaphthene-d10	-----ISTD-----						
36)	1,2,4,5-Tetrachloro	0.556	0.523	0.535	0.532	0.516	0.533	2.86
37)	Hexachlorocyclopent	0.282	0.267	0.287	0.305	0.312	0.291	6.24
38) C	2,4,6-Trichlorophen	0.312	0.313	0.335	0.355	0.355	0.334	6.37
39)	2,4,5-Trichlorophen	0.345	0.318	0.375	0.390	0.391	0.364	8.72
40)	1,1'-Biphenyl	1.680	1.565	1.593	1.560	1.441	1.568	5.46
41)	2-Chloronaphthalene	1.267	1.178	1.190	1.173	1.107	1.183	4.83
42)	2-Nitroaniline		0.290	0.329	0.347	0.353	0.330	8.65
43) S	Dimethylphthalate-d	1.380	1.286	1.324	1.300	1.229	1.304	4.23
44)	Dimethylphthalate	1.563	1.489	1.528	1.460	1.358	1.480	5.31
45)	2,6-Dinitrotoluene	0.277	0.273	0.307	0.332	0.336	0.305	9.66
46) S	Acenaphthylene-d8	1.917	1.810	1.860	1.806	1.673	1.813	5.00
47)	Acenaphthylene	2.156	2.062	2.105	2.021	1.828	2.035	6.19
48)	3-Nitroaniline		0.308	0.388	0.377	0.349	0.356	9.98
49) C	Acenaphthene	1.467	1.371	1.372	1.343	1.258	1.362	5.48
50)	2,4-Dinitrophenol		0.093	0.117	0.156	0.184	0.137	29.50
51) S	4-Nitrophenol-d4		0.269	0.313	0.330	0.334	0.311	9.57

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	Compound	5	10	20	40	80	Avg	%RSD

52)	4-Nitrophenol		0.153	0.169	0.179	0.180	0.170	7.43
53)	Dibenzofuran	2.034	1.852	1.879	1.795	1.637	1.839	7.81
54)	2,4-Dinitrotoluene	0.391	0.407	0.457	0.476	0.475	0.441	9.03
55)	2,3,4,6-Tetrachloro	0.281	0.291	0.330	0.343	0.348	0.319	9.64
56)	Diethylphthalate	1.599	1.511	1.579	1.502	1.404	1.519	5.05
57) S	Fluorene-d10	1.410	1.289	1.323	1.291	1.206	1.304	5.63
58)	Fluorene	1.771	1.605	1.639	1.582	1.436	1.607	7.49
59)	4-Chlorophenyl-phen	0.801	0.713	0.734	0.711	0.670	0.726	6.64
60)	4-Nitroaniline		0.403	0.438	0.430	0.417	0.422	3.61

61) I	Phenanthrene-d10	-----ISTD-----						
62) S	4,6-Dinitro-2-methy		0.077	0.096	0.117	0.128	0.105	21.91
63)	4,6-Dinitro-2-methy		0.091	0.113	0.134	0.142	0.120	19.21
64)	N-Nitrosodiphenylam	0.651	0.629	0.652	0.637	0.601	0.634	3.30
65)	4-Bromophenyl-pheny	0.209	0.206	0.209	0.208	0.206	0.208	0.72
66)	Hexachlorobenzene	0.243	0.233	0.238	0.232	0.227	0.235	2.58
67)	Atrazine	0.214	0.216	0.223	0.225	0.216	0.219	2.21
68) C	Pentachlorophenol		0.099	0.124	0.141	0.147	0.128	16.91
69)	Phenanthrene	1.241	1.170	1.167	1.115	0.992	1.137	8.15
70) S	Anthracene-d10	0.968	0.932	0.932	0.904	0.833	0.914	5.55
71)	Anthracene	1.252	1.198	1.201	1.130	0.991	1.154	8.75
72)	Carbazole	1.182	1.139	1.155	1.098	0.975	1.110	7.33
73)	Di-n-butylphthalate	1.336	1.340	1.343	1.287	1.101	1.282	8.10
74) C	Fluoranthene	1.396	1.350	1.348	1.251	1.081	1.285	9.79

75) I	Chrysene-d12	-----ISTD-----						
76) S	Pyrene-d10	0.918	0.879	0.916	0.910	0.850	0.894	3.32
77)	Pyrene	1.320	1.261	1.290	1.218	1.064	1.231	8.15
78)	Butylbenzylphthalat	0.465	0.465	0.518	0.546	0.529	0.505	7.39
79)	3,3'-Dichlorobenzid	0.260	0.285	0.374	0.372	0.344	0.327	15.91
80)	Benzo(a)anthracene	1.208	1.166	1.182	1.119	0.990	1.133	7.61
81)	Bis(2-ethylhexyl)ph	0.630	0.648	0.707	0.733	0.693	0.682	6.27
82)	Chrysene	1.173	1.109	1.126	1.051	0.931	1.078	8.62

83) I	Perylene-d12	-----ISTD-----						
84)	Di-n-octyl phthalat	1.104	1.137	1.244	1.257	1.155	1.179	5.73
85)	Benzo(b)fluoranthen	1.202	1.154	1.196	1.129	1.059	1.148	5.05
86)	Benzo(k)fluoranthen	1.170	1.116	1.199	1.172	1.011	1.134	6.59
87) S	Benzo(a)pyrene-d12	0.871	0.844	0.893	0.891	0.863	0.872	2.32
88) C	Benzo(a)pyrene	1.180	1.148	1.190	1.140	1.062	1.144	4.39
89)	Indeno(1,2,3-cd)pyr	1.330	1.268	1.357	1.348	1.315	1.323	2.66
90)	Dibenzo(a,h)anthrac	1.114	1.074	1.140	1.124	1.095	1.109	2.32
91)	Benzo(g,h,i)perylene	1.119	1.087	1.128	1.127	1.099	1.112	1.62

(#) = Out of Range