

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : SOM01.2-EPA-BG123114.M
 Title : SVOA CALIBRATION
 Last Update : Thu Jan 01 01:24:43 2015
 Response Via : Initial Calibration

Calibration Files

5 =BG015832.D 10 =BG015833.D 20 =BG015834.D
 40 =BG015835.D 80 =BG015836.D

	Compound	5	10	20	40	80	Avg	%RSD
1) I	1,4-Dichlorobenzene-d	-----ISTD-----						
2)	Benzaldehyde	1.161	1.179	1.128	0.955	0.499	0.984	29.01
3) S	Phenol-d5	1.612	1.663	1.622	1.684	1.683	1.653	2.07
4)	Phenol	1.737	1.724	1.703	1.865	1.763	1.758	3.61
5) S	Bis-(2-Chloroethyl)	0.848	0.877	0.876	0.918	0.865	0.877	2.96
6)	Bis(2-Chloroethyl)e	1.131	1.379	1.315	1.371	1.301	1.299	7.70
7) S	2-Chlorophenol-d4	1.108	1.237	1.183	1.265	1.198	1.198	4.98
8)	2-Chlorophenol	1.092	1.293	1.139	1.259	1.189	1.195	6.96
9)	2-Methylphenol	1.178	1.307	1.237	1.320	1.374	1.283	5.97
10)	2,2'-oxybis(1-Chlor	0.862	0.904	0.800	0.861	0.844	0.854	4.41
11) S	4-Methylphenol-d8	1.297	1.288	1.256	1.303	1.304	1.290	1.55
12)	Acetophenone	1.992	2.152	2.099	2.162	2.113	2.104	3.21
13) P	N-Nitroso-di-n-prop	1.090	1.238	1.139	1.212	1.183	1.172	5.02
14)	4-Methylphenol	1.222	1.382	1.347	1.452	1.464	1.373	7.10
15)	Hexachloroethane	0.644	0.713	0.680	0.699	0.630	0.673	5.27
16) I	Naphthalene-d8	-----ISTD-----						
17) S	Nitrobenzene-d5	0.156	0.151	0.158	0.170	0.155	0.158	4.46
18)	Nitrobenzene	0.464	0.521	0.480	0.506	0.481	0.490	4.61
19)	Isophorone	0.830	0.868	0.887	0.899	0.874	0.871	2.99
20) S	2-Nitrophenol-d4	0.161	0.185	0.181	0.193	0.179	0.180	6.45
21) C	2-Nitrophenol	0.182	0.183	0.199	0.202	0.194	0.192	4.79
22)	2,4-Dimethylphenol	0.455	0.534	0.507	0.531	0.503	0.506	6.29
23)	Bis(2-Chloroethoxy)	0.422	0.439	0.475	0.454	0.439	0.446	4.45
24) S	2,4-Dichlorophenol-	0.308	0.329	0.346	0.356	0.358	0.339	6.27
25) C	2,4-Dichlorophenol	0.291	0.362	0.338	0.363	0.350	0.341	8.65
26)	Naphthalene	0.914	0.999	0.957	1.037	0.988	0.979	4.72
27) S	4-Chloroaniline-d4	0.366	0.390	0.392	0.364	0.262	0.355	15.10
28)	4-Chloroaniline	0.362	0.395	0.391	0.369	0.262	0.356	15.29
29) C	Hexachlorobutadiene	0.353	0.404	0.367	0.392	0.364	0.376	5.67
30)	Caprolactam	0.141	0.139	0.143	0.167	0.155	0.149	8.12
31) C	4-Chloro-3-methylph	0.404	0.420	0.458	0.468	0.444	0.439	6.01
32)	2-Methylnaphthalene	0.689	0.780	0.752	0.788	0.742	0.750	5.21
33) I	Acenaphthene-d10	-----ISTD-----						
34)	1,2,4,5-Tetrachloro	0.743	0.772	0.743	0.794	0.751	0.760	2.93
35)	Hexachlorocyclopent	0.466	0.377	0.452	0.543	0.557	0.479	15.31
36) C	2,4,6-Trichlorophen	0.411	0.460	0.455	0.474	0.451	0.450	5.24
37)	2,4,5-Trichlorophen	0.439	0.447	0.456	0.502	0.499	0.468	6.35
38)	1,1'-Biphenyl	1.392	1.419	1.388	1.437	1.394	1.406	1.50
39)	2-Chloronaphthalene	1.051	1.068	1.103	1.108	1.080	1.082	2.21
40)	2-Nitroaniline		0.353	0.366	0.408	0.378	0.376	6.22
41) S	Dimethylphthalate-d	1.290	1.467	1.428	1.471	1.434	1.418	5.23
42)	Dimethylphthalate	1.426	1.453	1.522	1.519	1.451	1.474	2.96
43)	2,6-Dinitrotoluene	0.327	0.321	0.329	0.333	0.336	0.329	1.74
44) S	Acenaphthylene-d8	1.634	1.657	1.700	1.796	1.715	1.700	3.66
45)	Acenaphthylene	1.743	1.866	1.823	1.879	1.783	1.819	3.12
46)	3-Nitroaniline		0.293	0.256	0.277	0.259	0.271	6.30
47) C	Acenaphthene	1.163	1.216	1.155	1.210	1.171	1.183	2.36
48)	2,4-Dinitrophenol		0.084	0.116	0.140	0.181	0.130	31.28
49) S	4-Nitrophenol-d4		0.224	0.233	0.250	0.258	0.241	6.40
50)	4-Nitrophenol		0.363	0.377	0.405	0.404	0.387	5.36
51)	Dibenzofuran	1.648	1.817	1.763	1.842	1.813	1.777	4.35

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	Compound	5	10	20	40	80	Avg	%RSD

52)	2,4-Dinitrotoluene	0.411	0.445	0.458	0.490	0.476	0.456	6.63
53)	2,3,4,6-Tetrachloro	0.484	0.516	0.511	0.571	0.559	0.528	6.83
54)	Diethylphthalate	1.523	1.537	1.630	1.674	1.603	1.593	3.97
55) S	Fluorene-d10	1.317	1.358	1.334	1.356	1.358	1.344	1.36
56)	Fluorene	1.336	1.414	1.447	1.500	1.481	1.436	4.52
57)	4-Chlorophenyl-phen	0.951	1.009	0.957	0.995	0.978	0.978	2.50
58)	4-Nitroaniline		0.325	0.309	0.324	0.301	0.315	3.60
59) I	Phenanthrene-d10	-----ISTD-----						
60) S	4,6-Dinitro-2-methy		0.093	0.108	0.132	0.142	0.119	19.08
61)	4,6-Dinitro-2-methy		0.126	0.116	0.135	0.145	0.130	9.48
62)	N-Nitrosodiphenylam	0.535	0.574	0.550	0.595	0.561	0.563	4.10
63)	4-Bromophenyl-pheny	0.246	0.263	0.271	0.291	0.280	0.270	6.34
64)	Hexachlorobenzene	0.284	0.286	0.322	0.315	0.313	0.304	5.86
65)	Atrazine	0.257	0.271	0.271	0.263	0.235	0.260	5.69
66) C	Pentachlorophenol		0.149	0.153	0.189	0.195	0.171	13.72
67)	Phenanthrene	0.948	1.015	1.018	1.058	1.015	1.011	3.89
68) S	Anthracene-d10	0.898	0.989	0.928	0.985	0.940	0.948	4.10
69)	Anthracene	0.972	1.106	1.050	1.092	1.065	1.057	4.94
70)	Carbazole	0.919	0.999	0.980	1.028	0.970	0.979	4.11
71)	Di-n-butylphthalate	1.152	1.211	1.181	1.247	1.188	1.196	2.95
72) C	Fluoranthene	1.442	1.596	1.527	1.614	1.512	1.538	4.50
73) I	Chrysene-d12	-----ISTD-----						
74) S	Pyrene-d10	0.730	0.812	0.807	0.809	0.782	0.788	4.38
75)	Pyrene	0.978	1.035	1.089	1.050	1.006	1.031	4.10
76)	Butylbenzylphthalat	0.389	0.385	0.408	0.403	0.397	0.396	2.47
77)	3,3'-Dichlorobenzid	0.404	0.395	0.396	0.404	0.388	0.397	1.69
78)	Benzo(a)anthracene	1.091	1.168	1.168	1.161	1.104	1.138	3.32
79)	Bis(2-ethylhexyl)ph	0.616	0.572	0.602	0.588	0.582	0.592	2.92
80)	Chrysene	1.045	1.095	1.075	1.096	1.046	1.071	2.33
81) I	Perylene-d12	-----ISTD-----						
82)	Di-n-octyl phthalat	1.022	1.020	0.987	1.019	0.995	1.008	1.61
83)	Benzo(b)fluoranthen	1.134	1.157	1.193	1.241	1.213	1.188	3.61
84)	Benzo(k)fluoranthen	1.121	1.174	1.110	1.182	1.173	1.152	2.92
85) S	Benzo(a)pyrene-d12	0.843	0.898	0.898	0.943	0.926	0.901	4.20
86) C	Benzo(a)pyrene	1.041	1.139	1.114	1.144	1.134	1.114	3.83
87)	Indeno(1,2,3-cd)pyr	1.189	1.266	1.224	1.307	1.275	1.252	3.68
88)	Dibenzo(a,h)anthrac	1.003	1.071	1.035	1.097	1.093	1.060	3.81
89)	Benzo(g,h,i)perylene	1.004	1.086	1.037	1.095	1.071	1.058	3.56

(#) = Out of Range