

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
 Method File : SOM01.2-EPA-BM061015.M
 Title : SVOA CALIBRATION
 Last Update : Wed Jun 10 13:11:01 2015
 Response Via : Initial Calibration

Calibration Files

5 =BM001625.D 10 =BM001626.D 20 =BM001627.D
 40 =BM001628.D 80 =BM001629.D

	Compound	5	10	20	40	80	Avg	%RSD

1) I	1,4-Dichlorobenzene-d	-----ISTD-----						
2)	1,4-Dioxane	0.452	0.491	0.474	0.468	0.474	0.472	2.95
3) S	1,4-Dioxane-d8	0.457	0.435	0.433	0.431	0.443	0.440	2.48
4)	Benzaldehyde	0.981	0.720	1.002	0.924	0.815	0.888	13.35
5) S	Phenol-d5	1.337	1.372	1.390	1.426	1.467	1.399	3.59
6)	Phenol	1.446	1.432	1.466	1.474	1.532	1.470	2.59
7) S	Bis-(2-Chloroethyl)	0.834	0.813	0.794	0.795	0.820	0.811	2.09
8)	Bis(2-Chloroethyl)e	1.154	1.122	1.100	1.092	1.125	1.119	2.20
9) S	2-Chlorophenol-d4	1.103	1.114	1.143	1.168	1.211	1.148	3.80
10)	2-Chlorophenol	1.155	1.168	1.179	1.190	1.245	1.187	2.91
11)	2-Methylphenol	1.022	1.031	1.053	1.063	1.107	1.055	3.15
12)	2,2'-oxybis(1-Chlor	1.445	1.355	1.329	1.329	1.344	1.360	3.55
13) S	4-Methylphenol-d8	1.056	1.018	1.089	1.091	1.140	1.079	4.19
14)	Acetophenone	1.776	1.732	1.742	1.777	1.827	1.771	2.11
15) P	N-Nitroso-di-n-prop	0.844	0.807	0.860	0.872	0.929	0.862	5.18
16)	4-Methylphenol	1.106	1.094	1.110	1.142	1.175	1.125	2.95
17)	Hexachloroethane	0.454	0.471	0.470	0.484	0.511	0.478	4.48
18) I	Naphthalene-d8	-----ISTD-----						
19) S	Nitrobenzene-d5	0.122	0.127	0.131	0.136	0.144	0.132	6.27
20)	Nitrobenzene	0.353	0.356	0.370	0.371	0.387	0.367	3.67
21)	Isophorone	0.568	0.559	0.608	0.611	0.645	0.598	5.86
22) S	2-Nitrophenol-d4	0.133	0.134	0.149	0.152	0.168	0.147	9.75
23) C	2-Nitrophenol	0.145	0.149	0.163	0.165	0.178	0.160	8.25
24)	2,4-Dimethylphenol	0.355	0.349	0.365	0.362	0.381	0.362	3.38
25)	Bis(2-Chloroethoxy)	0.368	0.360	0.365	0.357	0.372	0.364	1.62
26) S	2,4-Dichlorophenol-	0.291	0.299	0.307	0.308	0.328	0.307	4.62
27) C	2,4-Dichlorophenol	0.282	0.293	0.299	0.301	0.316	0.298	4.16
28)	Naphthalene	0.949	0.957	0.946	0.924	0.960	0.947	1.51
29) S	4-Chloroaniline-d4	0.239	0.300	0.361	0.343	0.329	0.314	15.21
30)	4-Chloroaniline	0.241	0.311	0.373	0.352	0.335	0.323	15.73
31) C	Hexachlorobutadiene	0.234	0.234	0.239	0.231	0.244	0.236	2.28
32)	Caprolactam	0.062	0.065	0.078	0.082	0.089	0.075	15.03
33) C	4-Chloro-3-methylph	0.282	0.282	0.302	0.309	0.328	0.301	6.51
34)	2-Methylnaphthalene	0.654	0.653	0.667	0.657	0.692	0.664	2.47
35) I	Acenaphthene-d10	-----ISTD-----						
36)	1,2,4,5-Tetrachloro	0.708	0.742	0.730	0.715	0.746	0.728	2.31
37)	Hexachlorocyclopent	0.331	0.397	0.433	0.440	0.486	0.417	13.80
38) C	2,4,6-Trichlorophen	0.396	0.408	0.434	0.435	0.458	0.426	5.78
39)	2,4,5-Trichlorophen	0.434	0.446	0.466	0.474	0.493	0.462	5.06
40)	1,1'-Biphenyl	1.563	1.567	1.557	1.533	1.599	1.564	1.53
41)	2-Chloronaphthalene	1.198	1.216	1.233	1.199	1.252	1.220	1.86
42)	2-Nitroaniline		0.296	0.329	0.350	0.377	0.338	10.07
43) S	Dimethylphthalate-d	1.339	1.327	1.372	1.347	1.408	1.359	2.38
44)	Dimethylphthalate	1.478	1.477	1.498	1.475	1.533	1.492	1.65
45)	2,6-Dinitrotoluene	0.254	0.270	0.295	0.307	0.326	0.290	9.92
46) S	Acenaphthylene-d8	1.749	1.810	1.836	1.818	1.896	1.822	2.90
47)	Acenaphthylene	1.807	1.867	1.884	1.859	1.925	1.869	2.28
48)	3-Nitroaniline		0.206	0.288	0.288	0.284	0.267	15.18
49) C	Acenaphthene	1.259	1.264	1.245	1.224	1.274	1.253	1.55
50)	2,4-Dinitrophenol		0.092	0.132	0.153	0.186	0.141	27.99
51) S	4-Nitrophenol-d4		0.200	0.228	0.242	0.261	0.233	11.07

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	Compound	5	10	20	40	80	Avg	%RSD

52)	4-Nitrophenol		0.212	0.256	0.265	0.290	0.256	12.62
53)	Dibenzofuran	1.783	1.761	1.772	1.728	1.790	1.767	1.37
54)	2,4-Dinitrotoluene	0.369	0.375	0.417	0.434	0.460	0.411	9.45
55)	2,3,4,6-Tetrachloro	0.351	0.366	0.397	0.397	0.427	0.388	7.65
56)	Diethylphthalate	1.396	1.379	1.442	1.441	1.501	1.432	3.33
57) S	Fluorene-d10	1.291	1.284	1.270	1.244	1.296	1.277	1.64
58)	Fluorene	1.450	1.443	1.461	1.454	1.539	1.470	2.67
59)	4-Chlorophenyl-phen	0.799	0.796	0.791	0.782	0.827	0.799	2.11
60)	4-Nitroaniline		0.227	0.296	0.299	0.291	0.278	12.37

61) I	Phenanthrene-d10	-----ISTD-----						
62) S	4,6-Dinitro-2-methy		0.084	0.099	0.107	0.121	0.103	14.94
63)	4,6-Dinitro-2-methy		0.088	0.105	0.114	0.129	0.109	15.91
64)	N-Nitrosodiphenylam	0.542	0.544	0.544	0.544	0.571	0.549	2.22
65)	4-Bromophenyl-pheny	0.210	0.212	0.210	0.212	0.223	0.214	2.56
66)	Hexachlorobenzene	0.234	0.229	0.233	0.231	0.244	0.234	2.47
67)	Atrazine	0.196	0.202	0.217	0.220	0.233	0.214	6.96
68) C	Pentachlorophenol		0.124	0.140	0.148	0.162	0.144	10.97
69)	Phenanthrene	0.999	0.995	0.999	0.986	1.034	1.003	1.83
70) S	Anthracene-d10	0.843	0.845	0.863	0.863	0.901	0.863	2.72
71)	Anthracene	1.029	1.035	1.036	1.029	1.078	1.041	1.99
72)	Carbazole	0.865	0.869	0.902	0.898	0.930	0.893	2.97
73)	Di-n-butylphthalate	0.872	0.891	0.983	1.015	1.086	0.969	9.16
74) C	Fluoranthene	1.136	1.152	1.201	1.197	1.258	1.189	4.02

75) I	Chrysene-d12	-----ISTD-----						
76) S	Pyrene-d10	0.788	0.781	0.801	0.791	0.838	0.800	2.82
77)	Pyrene	1.071	1.019	1.051	1.032	1.094	1.054	2.85
78)	Butylbenzylphthalat	0.299	0.306	0.352	0.371	0.414	0.348	13.63
79)	3,3'-Dichlorobenzid	0.268	0.265	0.357	0.335	0.324	0.310	13.32
80)	Benzo(a)anthracene	1.095	1.085	1.098	1.072	1.131	1.096	2.00
81)	Bis(2-ethylhexyl)ph	0.422	0.443	0.520	0.547	0.616	0.509	15.48
82)	Chrysene	1.021	1.015	1.018	1.006	1.044	1.021	1.39

83) I	Perylene-d12	-----ISTD-----						
84)	Di-n-octyl phthalat	0.759	0.777	0.896	0.956	1.057	0.889	14.02
85)	Benzo(b)fluoranthen	1.095	1.047	1.090	1.079	1.152	1.093	3.50
86)	Benzo(k)fluoranthen	1.005	1.056	1.069	1.082	1.111	1.065	3.67
87) S	Benzo(a)pyrene-d12	0.787	0.800	0.823	0.834	0.871	0.823	3.95
88) C	Benzo(a)pyrene	1.023	1.038	1.062	1.062	1.108	1.059	3.05
89)	Indeno(1,2,3-cd)pyr	1.198	1.261	1.269	1.255	1.309	1.258	3.17
90)	Dibenzo(a,h)anthrac	0.975	1.045	1.061	1.050	1.114	1.049	4.74
91)	Benzo(g,h,i)perylene	1.028	1.073	1.082	1.061	1.082	1.065	2.10

(#) = Out of Range