

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM051917.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat May 20 04:25:49 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BM010066.D 10 =BM010067.D 25 =BM010068.D 40 =BM010069.D 50 =BM010070.D 60 =BM010071.D 80 =BM010072.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.474	0.490	0.500	0.495	0.524	0.531	0.549	0.509	5.16
3)	Pyridine	1.247	1.176	1.310	1.407	1.487	1.492	1.416	1.362	8.89
4)	n-Nitrosodimet...	0.510	0.415	0.435	0.464	0.518	0.550	0.557	0.493	11.31
5) S	2-Fluorophenol	1.052	1.078	1.101	1.098	1.130	1.135	1.158	1.108	3.26
6)	Aniline	1.599	1.705	1.784	1.782	1.804	1.831	1.856	1.766	4.95
7) S	Phenol-d6	1.297	1.385	1.448	1.425	1.450	1.481	1.490	1.425	4.67
8)	2-Chlorophenol	1.166	1.194	1.226	1.176	1.209	1.222	1.242	1.205	2.31
9)	Benzaldehyde	1.001	0.947	0.949	0.912	0.857	0.806	0.737	0.887	10.38
10) C	Phenol	1.395	1.469	1.534	1.479	1.529	1.544	1.564	1.502	3.89
11)	bis(2-Chloroet...	1.034	1.041	1.147	1.135	1.140	1.166	1.173	1.119	5.14
12)	1,3-Dichlorobe...	1.470	1.493	1.540	1.515	1.547	1.570	1.583	1.531	2.66
13) C	1,4-Dichlorobe...	1.578	1.531	1.550	1.566	1.584	1.588	1.614	1.573	1.72
14)	1,2-Dichlorobe...	1.486	1.479	1.489	1.505	1.512	1.550	1.549	1.510	1.93
15)	Benzyl Alcohol	0.950	0.926	1.052	1.110	1.152	1.177	1.183	1.078	9.84
16)	2,2'-oxybis(1-...	1.161	1.107	1.154	1.133	1.059	1.041	1.051	1.101	4.59
17)	2-Methylphenol	0.993	1.025	1.096	1.100	1.086	1.093	1.088	1.069	3.96
18)	Hexachloroethane	0.484	0.480	0.503	0.506	0.521	0.532	0.544	0.510	4.70
19) P	n-Nitroso-di-n...	0.879	0.934	1.013	1.031	1.049	1.059	1.076	1.006	7.19
20)	3+4-Methylphenols	1.339	1.350	1.477	1.462	1.488	1.498	1.489	1.443	4.74
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.475	0.498	0.505	0.507	0.525	0.528	0.550	0.513	4.70
23) S	Nitrobenzene-d5	0.306	0.329	0.360	0.380	0.396	0.404	0.422	0.371	11.25
24)	Nitrobenzene	0.328	0.344	0.369	0.388	0.408	0.408	0.428	0.382	9.55
25)	Isophorone	0.558	0.584	0.634	0.652	0.663	0.691	0.702	0.641	8.32
26) C	2-Nitrophenol	0.127	0.141	0.160	0.165	0.172	0.177	0.185	0.161	12.89
27)	2,4-Dimethylph...	0.270	0.273	0.290	0.292	0.298	0.303	0.309	0.291	4.96
28)	bis(2-Chloroet...	0.379	0.379	0.407	0.417	0.421	0.422	0.421	0.407	4.77
29) C	2,4-Dichloroph...	0.275	0.303	0.336	0.341	0.357	0.362	0.369	0.335	10.19
30)	1,2,4-Trichlor...	0.418	0.411	0.416	0.426	0.449	0.447	0.464	0.433	4.71
31)	Naphthalene	1.041	1.045	1.062	1.062	1.091	1.081	1.108	1.070	2.28
32)	Benzoic acid		0.157	0.184	0.201	0.208	0.217	0.223	0.198	12.36
33)	4-Chloroaniline	0.368	0.380	0.414	0.426	0.426	0.430	0.440	0.412	6.66
34) C	Hexachlorobuta...	0.270	0.268	0.274	0.286	0.303	0.304	0.316	0.289	6.57
35)	Caprolactam	0.075	0.087	0.095	0.102	0.104	0.104	0.105	0.096	11.83
36) C	4-Chloro-3-met...	0.300	0.330	0.368	0.373	0.387	0.389	0.390	0.362	9.57
37)	2-Methylnaphth...	0.739	0.743	0.755	0.766	0.791	0.790	0.809	0.770	3.48

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.749	0.720	0.750	0.751	0.790	0.804	0.820	0.769	4.70
40) P	Hexachlorocycl...	0.351	0.402	0.433	0.446	0.479	0.491	0.506	0.444	12.24
41) S	2,4,6-Tribromo...	0.239	0.277	0.309	0.306	0.319	0.336	0.341	0.304	11.78
42) C	2,4,6-Trichlor...	0.369	0.401	0.448	0.464	0.479	0.504	0.507	0.453	11.39
43)	2,4,5-Trichlor...	0.411	0.448	0.494	0.518	0.535	0.545	0.554	0.501	10.69
44) S	2-Fluorobiphenyl	1.500	1.495	1.527	1.530	1.594	1.614	1.631	1.556	3.60
45)	1,1'-Biphenyl	1.588	1.585	1.652	1.614	1.669	1.700	1.706	1.645	3.06
46)	2-Chloronaphth...	1.271	1.292	1.344	1.310	1.356	1.373	1.375	1.332	3.08
47)	2-Nitroaniline		0.278	0.315	0.341	0.358	0.379	0.383	0.342	11.74
48)	Acenaphthylene	1.736	1.886	1.970	1.993	2.053	2.080	2.065	1.969	6.24
49)	Dimethylphthalate	1.707	1.712	1.771	1.777	1.834	1.854	1.832	1.784	3.33
50)	2,6-Dinitrotol...	0.262	0.307	0.339	0.352	0.365	0.374	0.372	0.339	12.14
51) C	Acenaphthene	1.180	1.180	1.224	1.221	1.244	1.258	1.261	1.224	2.74
52)	3-Nitroaniline		0.259	0.304	0.314	0.332	0.338	0.342	0.315	9.80
53) P	2,4-Dinitrophenol		0.147	0.176	0.190	0.208	0.220	0.230	0.195	15.63
54)	Dibenzofuran	1.872	1.864	1.912	1.895	1.956	1.988	1.987	1.925	2.72
55) P	4-Nitrophenol		0.198	0.240	0.254	0.270	0.275	0.284	0.253	12.46
56)	2,4-Dinitrotol...		0.400	0.456	0.477	0.506	0.514	0.523	0.479	9.58
57)	Fluorene	1.589	1.601	1.656	1.635	1.728	1.747	1.761	1.674	4.24
58)	2,3,4,6-Tetrac...	0.341	0.392	0.418	0.431	0.455	0.469	0.479	0.426	11.28
59)	Diethylphthalate	1.563	1.618	1.681	1.670	1.742	1.764	1.770	1.687	4.61
60)	4-Chlorophenyl...	0.929	0.903	0.912	0.908	0.959	0.977	0.990	0.940	3.75
61)	4-Nitroaniline		0.260	0.304	0.318	0.335	0.347	0.354	0.320	10.88
62)	Azobenzene	1.020	1.119	1.225	1.251	1.314	1.369	1.384	1.240	10.75
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.092	0.112	0.125	0.131	0.133	0.141	0.122	14.63
65) c	n-Nitrosodiphe...	0.568	0.563	0.598	0.612	0.620	0.607	0.628	0.599	4.19
66)	4-Bromophenyl-...	0.254	0.235	0.253	0.256	0.263	0.262	0.269	0.256	4.31
67)	Hexachlorobenzene	0.317	0.295	0.307	0.312	0.317	0.310	0.319	0.311	2.67
68)	Atrazine	0.206	0.208	0.227	0.236	0.239	0.235	0.240	0.227	6.39
69) C	Pentachlorophenol	0.133	0.145	0.168	0.178	0.186	0.189	0.196	0.171	13.86
70)	Phenanthrene	1.085	1.076	1.110	1.122	1.144	1.131	1.166	1.119	2.83
71)	Anthracene	1.010	1.047	1.114	1.131	1.151	1.141	1.180	1.110	5.45
72)	Carbazole	0.931	0.937	0.981	0.999	1.016	0.996	1.022	0.983	3.67
73)	Di-n-butylphth...	1.046	1.068	1.161	1.191	1.223	1.220	1.251	1.166	6.83
74) C	Fluoranthene	1.375	1.413	1.452	1.452	1.495	1.475	1.509	1.453	3.22
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.295	0.383	0.393	0.408	0.364	0.360	0.379	0.369	9.87
77)	Pyrene	1.016	1.101	1.064	1.091	1.084	1.073	1.076	1.072	2.58
78) S	Terphenyl-d14	0.831	0.927	0.887	0.906	0.906	0.873	0.827	0.880	4.36
79)	Butylbenzylphth...	0.319	0.403	0.397	0.410	0.412	0.416	0.421	0.397	8.93
80)	Benzo(a)anthra...	1.086	1.079	1.089	1.108	1.124	1.102	1.128	1.102	1.72
81)	3,3'-Dichlorob...	0.417	0.427	0.439	0.454	0.457	0.450	0.459	0.443	3.69
82)	Chrysene	1.034	1.012	1.030	1.056	1.069	1.057	1.060	1.045	1.93

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83)	Bis(2-ethylhex...	0.534	0.566	0.581	0.605	0.619	0.620	0.630	0.594	5.82
84) c	Di-n-octyl pht...	0.963	0.991	1.007	1.081	1.120	1.127	1.150	1.063	7.04
85)	Indeno(1,2,3-c...	1.536	1.490	1.440	1.509	1.567	1.555	1.634	1.533	4.02
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.129	1.129	1.150	1.185	1.216	1.187	1.199	1.170	2.97
88)	Benzo(k)fluora...	1.109	1.112	1.155	1.129	1.173	1.164	1.186	1.147	2.65
89) C	Benzo(a)pyrene	1.080	1.076	1.093	1.111	1.155	1.138	1.155	1.115	3.06
90)	Dibenzo(a,h)an...	1.215	1.191	1.214	1.237	1.281	1.279	1.314	1.247	3.59
91)	Benzo(g,h,i)pe...	1.189	1.184	1.200	1.211	1.258	1.237	1.275	1.222	2.88

(#) = Out of Range