

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF010918.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jan 09 15:20:36 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF101944.D 10 =BF101945.D 25 =BF101946.D 40 =BF101947.D 50 =BF101948.D 60 =BF101949.D 80 =BF101950.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.793	0.741	0.701	0.704	0.696	0.666	0.648	0.707	6.79
3)	Pyridine	2.167	1.861	1.881	1.964	1.935	1.873	1.830	1.930	5.89
4)	n-Nitrosodimet...	0.901	0.774	0.780	0.824	0.825	0.782	0.771	0.808	5.79
5) S	2-Fluorophenol	1.759	1.500	1.405	1.409	1.346	1.286	1.209	1.416	12.55
6)	Aniline	2.730	2.504	2.390	2.414	2.344	2.204	2.084	2.381	8.72
7) S	Phenol-d6	2.105	1.814	1.694	1.673	1.610	1.520	1.414	1.690	13.22
8)	2-Chlorophenol	1.663	1.532	1.445	1.444	1.369	1.295	1.196	1.421	10.79
9)	Benzaldehyde	1.408	1.256	1.190	1.188	1.133	1.059	0.980	1.173	11.77
10) C	Phenol	2.343	2.023	1.914	1.948	1.838	1.718	1.584	1.910	12.65
11)	bis(2-Chloroet...	1.795	1.560	1.439	1.446	1.397	1.314	1.224	1.454	12.66
12)	1,3-Dichlorobe...	1.988	1.761	1.641	1.625	1.583	1.476	1.387	1.638	11.96
13) C	1,4-Dichlorobe...	1.983	1.731	1.643	1.624	1.591	1.479	1.387	1.634	11.67
14)	1,2-Dichlorobe...	1.935	1.642	1.523	1.508	1.440	1.323	1.216	1.512	15.38
15)	Benzyl Alcohol	1.521	1.329	1.265	1.252	1.201	1.095	0.988	1.236	13.76
16)	2,2'-oxybis(1-...	3.126	2.796	2.667	2.727	2.622	2.473	2.345	2.680	9.30
17)	2-Methylphenol	1.492	1.312	1.273	1.292	1.257	1.194	1.150	1.281	8.49
18)	Hexachloroethane	0.650	0.603	0.574	0.579	0.567	0.539	0.516	0.575	7.53
19) P	n-Nitroso-di-n...	1.338	1.160	1.084	1.094	1.077	1.018	0.980	1.107	10.53
20)	3+4-Methylphenols	1.968	1.761	1.584	1.524	1.433	1.316	1.185	1.539	17.24
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.628	0.549	0.481	0.468	0.441	0.420	0.388	0.482	17.07
23) S	Nitrobenzene-d5	0.357	0.355	0.344	0.348	0.337	0.329	0.312	0.340	4.67
24)	Nitrobenzene	0.394	0.391	0.371	0.372	0.357	0.349	0.327	0.366	6.52
25)	Isophorone	0.788	0.707	0.661	0.661	0.643	0.631	0.616	0.672	8.69
26) C	2-Nitrophenol	0.127	0.146	0.162	0.165	0.160	0.158	0.153	0.153	9.45
27)	2,4-Dimethylph...	0.340	0.302	0.285	0.285	0.276	0.262	0.252	0.286	10.10
28)	bis(2-Chloroet...	0.489	0.447	0.400	0.400	0.385	0.374	0.348	0.406	11.65
29) C	2,4-Dichloroph...	0.307	0.287	0.268	0.275	0.264	0.257	0.242	0.271	7.70
30)	1,2,4-Trichlor...	0.338	0.315	0.283	0.280	0.271	0.259	0.241	0.284	11.58
31)	Naphthalene	1.258	1.119	1.007	0.977	0.932	0.883	0.818	0.999	14.89
32)	Benzoic acid	0.161	0.200	0.241	0.253	0.221	0.224	0.217	0.217	15.16
33)	4-Chloroaniline	0.524	0.469	0.432	0.427	0.401	0.379	0.355	0.427	13.30
34) C	Hexachlorobuta...	0.183	0.159	0.152	0.149	0.142	0.138	0.128	0.150	11.75
35)	Caprolactam	0.099	0.094	0.094	0.095	0.093	0.091	0.086	0.093	4.40
36) C	4-Chloro-3-met...	0.346	0.316	0.296	0.297	0.284	0.276	0.263	0.297	9.22
37)	2-Methylnaphth...	0.834	0.736	0.664	0.646	0.613	0.578	0.535	0.658	15.30

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.700	0.637	0.577	0.555	0.527	0.504	0.461	0.566	14.36
40) P	Hexachlorocycl...		0.312	0.310	0.319	0.315	0.309	0.293	0.309	2.80
41) S	2,4,6-Tribromo...	0.192	0.191	0.177	0.175	0.172	0.165	0.150	0.175	8.48
42) C	2,4,6-Trichlor...	0.408	0.414	0.393	0.393	0.394	0.373	0.354	0.390	5.28
43)	2,4,5-Trichlor...	0.489	0.468	0.450	0.450	0.425	0.410	0.393	0.441	7.58
44) S	2-Fluorobiphenyl		1.648	1.373	1.295	1.217	1.135	1.013	1.280	17.16
45)	1,1'-Biphenyl	2.303	2.021	1.781	1.728	1.619	1.524	1.399	1.768	17.43
46)	2-Chloronaphth...	1.730	1.529	1.379	1.341	1.273	1.219	1.125	1.371	14.84
47)	2-Nitroaniline	0.341	0.405	0.417	0.443	0.437	0.434	0.400	0.411	8.52
48)	Acenaphthylene	2.738	2.449	2.196	2.131	2.039	1.920	1.755	2.176	15.18
49)	Dimethylphthalate	1.963	1.785	1.585	1.573	1.510	1.452	1.363	1.604	12.79
50)	2,6-Dinitrotol...	0.272	0.334	0.330	0.343	0.335	0.325	0.305	0.320	7.70
51) C	Acenaphthene	1.667	1.450	1.308	1.287	1.251	1.184	1.097	1.320	14.22
52)	3-Nitroaniline	0.380	0.418	0.415	0.427	0.421	0.398	0.374	0.404	5.18
53) P	2,4-Dinitrophenol		0.049	0.078	0.102	0.112	0.122	0.122	0.098	29.68
54)	Dibenzofuran	2.348	2.052	1.838	1.773	1.669	1.581	1.425	1.812	17.01
55) P	4-Nitrophenol	0.244	0.304	0.305	0.322	0.324	0.315	0.295	0.301	9.06
56)	2,4-Dinitrotol...	0.319	0.414	0.417	0.437	0.433	0.419	0.373	0.402	10.43
57)	Fluorene		1.609	1.331	1.261	1.189	1.117	1.010	1.253	16.54
58)	2,3,4,6-Tetrac...	0.345	0.336	0.319	0.319	0.310	0.294	0.274	0.314	7.72
59)	Diethylphthalate	2.029	1.767	1.587	1.561	1.497	1.421	1.309	1.596	14.92
60)	4-Chlorophenyl...		0.688	0.566	0.534	0.507	0.480	0.425	0.533	16.86
61)	4-Nitroaniline	0.351	0.399	0.388	0.403	0.398	0.388	0.359	0.384	5.34
62)	Azobenzene	2.007	1.764	1.577	1.548	1.502	1.410	1.307	1.588	14.68
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.059	0.086	0.107	0.112	0.114	0.112	0.098	22.42
65) c	n-Nitrosodiphe...	0.946	0.827	0.747	0.726	0.693	0.671	0.632	0.749	14.23
66)	4-Bromophenyl-...	0.258	0.229	0.210	0.210	0.200	0.189	0.183	0.211	12.15
67)	Hexachlorobenzene	0.283	0.250	0.229	0.230	0.216	0.209	0.198	0.231	12.37
68)	Atrazine	0.250	0.237	0.220	0.219	0.204	0.200	0.185	0.216	10.25
69) C	Pentachlorophenol	0.123	0.140	0.145	0.151	0.148	0.141	0.135	0.141	6.58
70)	Phenanthrene	1.528	1.323	1.176	1.134	1.071	0.998	0.947	1.168	17.19
71)	Anthracene	1.529	1.350	1.187	1.148	1.090	1.029	0.961	1.185	16.56
72)	Carbazole	1.509	1.303	1.168	1.140	1.082	1.008	0.942	1.165	16.42
73)	Di-n-butylphth...	1.785	1.619	1.464	1.419	1.327	1.250	1.138	1.429	15.42
74) C	Fluoranthene	1.512	1.310	1.162	1.107	1.052	1.000	0.903	1.149	17.80
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.997	0.992	0.970	1.012	0.976	0.936	0.877	0.966	4.78
77)	Pyrene	1.868	1.751	1.711	1.837	1.755	1.711	1.742	1.768	3.47
78) S	Terphenyl-d14	1.150	1.007	0.936	0.964	0.911	0.890	0.886	0.963	9.65
79)	Butylbenzylphth...	0.693	0.773	0.806	0.881	0.864	0.835	0.827	0.811	7.79
80)	Benzo(a)anthra...	1.500	1.358	1.274	1.286	1.231	1.167	1.117	1.276	9.93
81)	3,3'-Dichlorob...	0.511	0.490	0.481	0.490	0.477	0.443	0.416	0.472	6.85
82)	Chrysene	1.518	1.374	1.310	1.359	1.308	1.249	1.195	1.331	7.76

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83)	Bis(2-ethylhex...	0.979	0.955	0.944	0.972	0.929	0.886	0.850	0.931	5.05
84) c	Di-n-octyl pht...	1.465	1.513	1.543	1.636	1.618	1.550	1.485	1.544	4.14
85)	Indeno(1,2,3-c...	1.021	0.882	0.876	0.950	0.983	0.957	1.110	0.968	8.37
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.418	1.395	1.272	1.388	1.293	1.241	1.121	1.304	8.09
88)	Benzo(k)fluora...	1.481	1.325	1.274	1.224	1.224	1.170	1.109	1.258	9.54
89) C	Benzo(a)pyrene	1.292	1.223	1.161	1.185	1.160	1.116	1.078	1.173	5.94
90)	Dibenzo(a,h)an...	0.941	0.873	0.884	0.963	0.958	0.939	0.997	0.936	4.69
91)	Benzo(g,h,i)pe...	0.913	0.837	0.871	0.959	0.975	0.979	1.069	0.943	8.19

(#) = Out of Range