

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF032217.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Mar 23 02:02:22 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF093830.D 10 =BF093831.D 25 =BF093832.D 40 =BF093833.D 50 =BF093834.D 60 =BF093835.D 80 =BF093836.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.596	0.588	0.562	0.580	0.557	0.556	0.544	0.569	3.35
3)	Pyridine	1.393	1.699	1.592	1.613	1.478	1.556	1.522	1.550	6.38
4)	n-Nitrosodimet...	0.587	0.623	0.651	0.666	0.641	0.646	0.651	0.638	4.06
5) S	2-Fluorophenol	1.269	1.313	1.216	1.186	1.125	1.115	1.064	1.184	7.51
6)	Aniline	2.021	2.199	2.093	2.107	1.988	1.977	1.879	2.038	5.12
7) S	Phenol-d6	1.556	1.611	1.502	1.481	1.397	1.390	1.317	1.465	7.02
8)	2-Chlorophenol	1.350	1.423	1.354	1.339	1.265	1.225	1.155	1.302	7.02
9)	Benzaldehyde	1.069	1.095	1.047	1.002	0.958	0.917	0.836	0.989	9.30
10) C	Phenol	1.627	1.730	1.639	1.764	1.672	1.658	1.578	1.667	3.78
11)	bis(2-Chloroet...	1.317	1.406	1.341	1.325	1.272	1.260	1.199	1.303	5.07
12)	1,3-Dichlorobe...	1.498	1.601	1.503	1.491	1.404	1.393	1.331	1.460	6.14
13) C	1,4-Dichlorobe...	1.552	1.624	1.513	1.505	1.421	1.409	1.327	1.479	6.73
14)	1,2-Dichlorobe...	1.466	1.532	1.437	1.376	1.296	1.267	1.160	1.362	9.46
15)	Benzyl Alcohol	1.065	1.168	1.117	1.115	1.055	1.032	0.955	1.072	6.46
16)	2,2'-oxybis(1-...	2.050	2.144	2.031	2.073	1.949	1.951	1.854	2.007	4.80
17)	2-Methylphenol	1.121	1.193	1.130	1.140	1.085	1.084	1.049	1.115	4.20
18)	Hexachloroethane	0.508	0.545	0.540	0.539	0.516	0.508	0.482	0.520	4.39
19) P	n-Nitroso-di-n...	0.942	1.018	0.956	0.957	0.919	0.918	0.879	0.941	4.61
20)	3+4-Methylphenols	1.491	1.534	1.417	1.346	1.277	1.234	1.152	1.350	10.31
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.501	0.499	0.451	0.433	0.422	0.414	0.400	0.446	9.01
23) S	Nitrobenzene-d5	0.352	0.378	0.358	0.354	0.344	0.338	0.329	0.350	4.54
24)	Nitrobenzene	0.356	0.372	0.350	0.351	0.338	0.334	0.319	0.346	4.89
25)	Isophorone	0.617	0.649	0.613	0.617	0.605	0.606	0.603	0.616	2.56
26) C	2-Nitrophenol	0.128	0.165	0.171	0.176	0.172	0.172	0.170	0.165	10.11
27)	2,4-Dimethylph...	0.274	0.306	0.291	0.286	0.283	0.276	0.272	0.284	4.19
28)	bis(2-Chloroet...	0.426	0.439	0.409	0.408	0.393	0.388	0.380	0.406	5.19
29) C	2,4-Dichloroph...	0.257	0.287	0.270	0.270	0.264	0.258	0.253	0.266	4.44
30)	1,2,4-Trichlor...	0.291	0.295	0.278	0.274	0.265	0.261	0.249	0.274	6.03
31)	Naphthalene	1.054	1.069	0.988	0.953	0.925	0.895	0.848	0.962	8.47
32)	Benzoic acid		0.142	0.185	0.214	0.193	0.195	0.205	0.189	13.32
33)	4-Chloroaniline	0.410	0.424	0.406	0.394	0.376	0.370	0.348	0.390	6.76
34) C	Hexachlorobuta...	0.147	0.152	0.141	0.141	0.138	0.135	0.128	0.140	5.58
35)	Caprolactam	0.076	0.088	0.085	0.088	0.086	0.087	0.084	0.085	4.94
36) C	4-Chloro-3-met...	0.282	0.292	0.282	0.281	0.278	0.268	0.260	0.277	3.76
37)	2-Methylnaphth...	0.692	0.717	0.658	0.639	0.618	0.598	0.565	0.641	8.27

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.614	0.620	0.559	0.544	0.512	0.505	0.474	0.547	10.12
40) P	Hexachlorocycl...	0.213	0.256	0.272	0.276	0.260	0.263	0.253	0.256	8.13
41) S	2,4,6-Tribromo...	0.158	0.170	0.164	0.162	0.155	0.155	0.143	0.158	5.36
42) C	2,4,6-Trichlor...	0.373	0.411	0.400	0.392	0.374	0.386	0.373	0.387	3.84
43)	2,4,5-Trichlor...	0.407	0.448	0.431	0.439	0.409	0.411	0.387	0.419	5.08
44) S	2-Fluorobiphenyl	1.603	1.416	1.309	1.243	1.199	1.097	1.311		13.62
45)	1,1'-Biphenyl	1.812	1.835	1.691	1.617	1.497	1.485	1.355	1.613	11.08
46)	2-Chloronaphth...	1.393	1.403	1.304	1.256	1.198	1.193	1.093	1.263	8.93
47)	2-Nitroaniline	0.330	0.396	0.385	0.392	0.374	0.382	0.364	0.375	5.98
48)	Acenaphthylene	2.271	2.341	2.192	2.111	1.998	1.976	1.802	2.099	8.91
49)	Dimethylphthalate	1.546	1.562	1.443	1.419	1.362	1.352	1.269	1.422	7.46
50)	2,6-Dinitrotol...	0.288	0.348	0.332	0.340	0.325	0.330	0.320	0.326	5.93
51) C	Acenaphthene	1.392	1.358	1.265	1.210	1.148	1.142	1.057	1.225	9.90
52)	3-Nitroaniline	0.355	0.408	0.393	0.391	0.383	0.383	0.365	0.383	4.66
53) P	2,4-Dinitrophenol	0.111	0.144	0.164	0.165	0.175	0.173	0.155		15.83
54)	Dibenzofuran	1.857	1.887	1.726	1.688	1.578	1.537	1.396	1.667	10.58
55) P	4-Nitrophenol	0.247	0.302	0.311	0.319	0.307	0.313	0.299	0.300	8.01
56)	2,4-Dinitrotol...	0.365	0.439	0.429	0.433	0.414	0.409	0.376	0.409	6.98
57)	Fluorene	1.593	1.598	1.411	1.295	1.235	1.163		1.382	13.31
58)	2,3,4,6-Tetrac...	0.272	0.310	0.294	0.296	0.287	0.286	0.267	0.287	5.06
59)	Diethylphthalate	1.494	1.515	1.432	1.410	1.362	1.359	1.264	1.405	6.14
60)	4-Chlorophenyl...	0.692	0.679	0.593	0.560	0.516	0.493		0.589	14.05
61)	4-Nitroaniline	0.342	0.381	0.376	0.382	0.362	0.374	0.353	0.367	4.12
62)	Azobenzene	1.397	1.449	1.370	1.350	1.281	1.278	1.180	1.329	6.76
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.098	0.118	0.130	0.128	0.131	0.129	0.122		10.44
65) c	n-Nitrosodiphe...	0.756	0.766	0.706	0.687	0.659	0.651	0.616	0.692	8.01
66)	4-Bromophenyl-...	0.205	0.211	0.200	0.198	0.190	0.191	0.180	0.197	5.24
67)	Hexachlorobenzene	0.212	0.216	0.201	0.199	0.194	0.191	0.182	0.199	5.92
68)	Atrazine	0.207	0.229	0.213	0.210	0.203	0.199	0.190	0.207	5.88
69) C	Pentachlorophenol	0.118	0.124	0.129	0.125	0.127	0.122	0.124		3.06
70)	Phenanthrene	1.257	1.268	1.148	1.094	1.050	1.020	0.952	1.113	10.68
71)	Anthracene	1.255	1.306	1.187	1.136	1.089	1.062	0.985	1.146	9.79
72)	Carbazole	1.306	1.345	1.210	1.167	1.098	1.086	1.011	1.175	10.33
73)	Di-n-butylphth...	1.217	1.343	1.291	1.240	1.199	1.175	1.087	1.222	6.73
74) C	Fluoranthene	1.237	1.295	1.195	1.124	1.079	1.053	0.991	1.139	9.51
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.740	0.885	0.820	0.815	0.805	0.781	0.695	0.792	7.71
77)	Pyrene	1.486	1.536	1.434	1.454	1.438	1.413	1.398	1.451	3.22
78) S	Terphenyl-d14	1.010	0.997	0.896	0.879	0.844	0.829	0.790	0.892	9.35
79)	Butylbenzylphth...	0.492	0.612	0.630	0.651	0.649	0.655	0.640	0.618	9.32
80)	Benzo(a)anthra...	1.194	1.239	1.166	1.179	1.150	1.132	1.104	1.166	3.74
81)	3,3'-Dichlorob...	0.392	0.456	0.443	0.438	0.416	0.403	0.369	0.417	7.44
82)	Chrysene	1.206	1.219	1.128	1.080	1.031	1.006	0.905	1.082	10.40

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83)	Bis(2-ethylhex...	0.790	0.922	0.902	0.882	0.859	0.818	0.734	0.844	7.94
84) c	Di-n-octyl pht...	1.204	1.441	1.474	1.495	1.435	1.450	1.368	1.410	7.02
85)	Indeno(1,2,3-c...	0.999	1.048	0.939	0.909	0.874	0.897	0.895	0.937	6.78
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.197	1.333	1.213	1.253	1.203	1.230	1.152	1.226	4.62
88)	Benzo(k)fluora...	1.265	1.253	1.261	1.236	1.191	1.099	1.091	1.199	6.27
89) C	Benzo(a)pyrene	1.122	1.189	1.151	1.164	1.117	1.105	1.054	1.129	3.92
90)	Dibenzo(a,h)an...	0.970	1.039	0.960	0.956	0.933	0.927	0.908	0.956	4.44
91)	Benzo(g,h,i)pe...	0.970	1.031	0.953	0.953	0.935	0.953	0.949	0.964	3.29

(#) = Out of Range