

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF101116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Oct 11 16:14:43 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF090494.D 10 =BF090501.D 25 =BF090496.D 40 =BF090497.D 50 =BF090498.D 60 =BF090499.D 80 =BF090500.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.675	0.672	0.641	0.625	0.604	0.613	0.586	0.631	5.37
3)	Pyridine	1.944	1.668	1.667	1.811	1.736	1.718	1.656	1.743	5.96
4)	n-Nitrosodimet...	0.628	0.551	0.592	0.576	0.544	0.565	0.542	0.571	5.42
5) S	2-Fluorophenol	1.502	1.396	1.312	1.341	1.235	1.162	1.051	1.286	11.70
6)	Aniline	2.260	2.191	2.208	2.005	1.945	1.967	1.831	2.058	7.85
7) S	Phenol-d6	1.855	1.783	1.620	1.674	1.489	1.490	1.445	1.622	9.72
8)	2-Chlorophenol	1.465	1.436	1.515	1.360	1.230	1.271	1.296	1.368	7.87
9)	Benzaldehyde	1.170	1.133	1.129	1.030	0.940	0.905	0.847	1.022	12.42
10) C	Phenol	1.963	2.030	1.754	2.003	1.737	1.561	1.762	1.830	9.44
11)	bis(2-Chloroet...	1.518	1.569	1.341	1.387	1.361	1.280	1.132	1.370	10.65
12)	1,3-Dichlorobe...	1.560	1.527	1.473	1.526	1.463	1.464	1.316	1.475	5.41
13) C	1,4-Dichlorobe...	1.763	1.647	1.442	1.406	1.385	1.447	1.447	1.505	9.45
14)	1,2-Dichlorobe...	1.482	1.417	1.521	1.451	1.316	1.251	1.138	1.368	10.12
15)	Benzyl Alcohol	1.324	1.298	1.401	1.184	1.144	1.253	1.115	1.246	8.32
16)	2,2'-oxybis(1-...	2.321	2.156	1.967	1.911	1.825	1.842	1.718	1.963	10.64
17)	2-Methylphenol	1.163	1.131	1.224	1.052	1.031	1.118	1.067	1.112	6.11
18)	Hexachloroethane	0.598	0.615	0.578	0.556	0.524	0.528	0.489	0.556	8.04
19) P	n-Nitroso-di-n...	1.208	1.190	1.097	0.924	0.940	1.031	0.853	1.035	13.21
20)	3+4-Methylphenols	1.661	1.613	1.450	1.438	1.330	1.219	1.147	1.408	13.57
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.525	0.480	0.453	0.402	0.385	0.397	0.440		12.58
23) S	Nitrobenzene-d5	0.422	0.398	0.405	0.352	0.357	0.346	0.301	0.369	11.35
24)	Nitrobenzene	0.463	0.450	0.408	0.420	0.342	0.320	0.365	0.395	13.82
25)	Isophorone	0.792	0.712	0.725	0.652	0.602	0.619	0.596	0.671	10.96
26) C	2-Nitrophenol	0.171	0.176	0.184	0.195	0.190	0.183	0.163	0.180	6.22
27)	2,4-Dimethylph...	0.315	0.317	0.356	0.309	0.273	0.277	0.300	0.307	9.04
28)	bis(2-Chloroet...	0.506	0.477	0.411	0.373	0.379	0.387	0.367	0.414	13.33
29) C	2,4-Dichloroph...	0.261	0.264	0.289	0.270	0.239	0.233	0.239	0.257	7.91
30)	1,2,4-Trichlor...	0.319	0.312	0.297	0.282	0.278	0.286	0.288	0.295	5.25
31)	Naphthalene	1.211	1.082	1.011	0.982	0.930	0.926	0.833	0.996	12.29
32)	Benzoic acid	0.193	0.244	0.260	0.261	0.249	0.251	0.236	0.242	9.70
33)	4-Chloroaniline	0.491	0.463	0.421	0.418	0.406	0.388	0.365	0.422	10.15
34) C	Hexachlorobuta...	0.178	0.178	0.181	0.165	0.154	0.153	0.144	0.165	8.99
35)	Caprolactam	0.088	0.083	0.088	0.083	0.085	0.076	0.078	0.083	5.38
36) C	4-Chloro-3-met...	0.321	0.343	0.296	0.313	0.293	0.261	0.270	0.300	9.58
37)	2-Methylnaphth...	0.738	0.736	0.717	0.601	0.552		0.669		12.93

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.529	0.536	0.565	0.586	0.587	0.592	0.524	0.560	5.29
40) P	Hexachlorocycl...		0.237	0.282	0.303	0.289	0.288	0.268	0.278	8.22
41) S	2,4,6-Tribromo...	0.170	0.196	0.189	0.220	0.227	0.211	0.176	0.198	11.00
42) C	2,4,6-Trichlor...	0.398	0.408	0.396	0.354	0.351	0.365	0.371	0.377	6.05
43)	2,4,5-Trichlor...	0.361	0.359	0.383	0.403	0.394	0.370	0.345	0.374	5.51
44) S	2-Fluorobiphenyl	1.295	1.306	1.436	1.231	1.056	0.998	1.009	1.190	14.32
45)	1,1'-Biphenyl	1.677	1.578	1.633	1.669	1.540	1.392	1.204	1.527	11.31
46)	2-Chloronaphth...	1.185	1.146	1.307	1.217	1.085	1.015	1.001	1.137	9.74
47)	2-Nitroaniline	0.417	0.417	0.467	0.443	0.384	0.344	0.365	0.405	10.77
48)	Acenaphthylene	1.959	2.064	1.902	1.766	1.750	1.784	1.610	1.834	8.26
49)	Dimethylphthalate	1.539	1.439	1.478	1.319	1.159	1.311	1.172	1.345	10.97
50)	2,6-Dinitrotol...	0.275	0.288	0.349	0.280	0.277	0.324	0.286	0.297	9.46
51) C	Acenaphthene	1.340	1.382	1.207	1.216	1.199	1.183	1.076	1.229	8.33
52)	3-Nitroaniline	0.389	0.386	0.412	0.371	0.309	0.369	0.344	0.368	9.06
53) P	2,4-Dinitrophenol		0.145	0.153	0.188	0.163	0.153	0.186	0.165	11.04
54)	Dibenzofuran	1.805	1.783	1.643	1.603	1.564	1.614	1.435	1.635	7.79
55) P	4-Nitrophenol	0.227	0.300	0.285	0.332	0.303	0.249	0.309	0.286	12.77
56)	2,4-Dinitrotol...	0.336	0.394	0.448	0.385	0.421	0.424	0.343	0.393	10.70
57)	Fluorene	1.427	1.483	1.384	1.341	1.288	1.304	1.118	1.335	8.81
58)	2,3,4,6-Tetrac...	0.276	0.307	0.298	0.325	0.333	0.343	0.300	0.312	7.40
59)	Diethylphthalate	1.418	1.465	1.507	1.340	1.295	1.313	1.237	1.368	7.16
60)	4-Chlorophenyl...	0.584	0.610	0.658	0.678	0.641	0.621	0.520	0.616	8.54
61)	4-Nitroaniline	0.378	0.371	0.385	0.423	0.348	0.395	0.333	0.376	7.92
62)	Azobenzene	1.688	1.524	1.604	1.624	1.462	1.370	1.184	1.494	11.60
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.118	0.143	0.126	0.138	0.155	0.121	0.134	10.56
65) c	n-Nitrosodiphe...	0.689	0.650	0.745	0.636	0.589	0.607	0.637	0.650	8.07
66)	4-Bromophenyl-...	0.201	0.201	0.220	0.244	0.241	0.232	0.212	0.222	8.06
67)	Hexachlorobenzene	0.247	0.233	0.234	0.249	0.259	0.254	0.238	0.245	4.14
68)	Atrazine	0.216	0.195	0.240	0.190	0.179	0.193	0.196	0.201	10.13
69) C	Pentachlorophenol		0.136	0.153	0.141	0.137	0.147	0.160	0.146	6.58
70)	Phenanthrene	1.255	1.161	1.148	1.191	1.096	0.995	0.869	1.102	11.85
71)	Anthracene	1.199	1.233	1.245	1.031	1.008	1.049	1.053	1.117	9.27
72)	Carbazole	1.178	1.139	1.047	1.116	1.078	0.995	0.828	1.055	11.07
73)	Di-n-butylphth...	1.281	1.376	1.404	1.338	1.281	1.166	1.045	1.270	9.95
74) C	Fluoranthene	1.182	1.161	1.268	1.232	1.113	0.998	0.921	1.125	11.13
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.621	0.705	0.655	0.592	0.545	0.610	0.671	0.629	8.47
77)	Pyrene	1.302	1.300	1.280	1.238	1.177	1.155	1.311	1.252	5.08
78) S	Terphenyl-d14	0.899	0.892	0.739	0.849	0.837	0.795	0.718	0.818	8.67
79)	Butylbenzylphth...	0.587	0.655	0.609	0.568	0.546	0.556	0.582	0.586	6.29
80)	Benzo(a)anthra...	1.256	1.253	1.215	1.121	1.135	1.158	1.206	1.192	4.61
81)	3,3'-Dichlorob...	0.415	0.414	0.424	0.463	0.459	0.411	0.417	0.429	5.18
82)	Chrysene	1.137	1.218	0.995	1.039	1.107	1.173	1.098	1.110	6.87

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83)	Bis(2-ethylhex...	0.921	0.963	0.852	0.815	0.803	0.810	0.822	0.855	7.30
84) c	Di-n-octyl pht...	1.308	1.427	1.354	1.317	1.289	1.290	1.286	1.325	3.85
85)	Indeno(1,2,3-c...	0.857	0.887	0.908	0.897	0.933	0.972	1.011	0.924	5.72
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.354	1.313	1.222	1.443	1.374	1.300	1.232	1.320	5.96
88)	Benzo(k)fluora...	1.087	1.229	1.341	1.069	1.110	1.231	1.162	1.175	8.31
89) C	Benzo(a)pyrene	1.081	1.170	1.206	1.192	1.156	1.129	1.178	1.159	3.65
90)	Dibenzo(a,h)an...	0.889	0.965	1.031	1.017	1.001	0.993	0.993	0.984	4.78
91)	Benzo(g,h,i)pe...	0.852	0.898	0.964	0.923	0.916	0.912	0.907	0.910	3.68

(#) = Out of Range