

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF091516.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Sep 15 11:18:43 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF090073.D 10 =BF090074.D 25 =BF090075.D 40 =BF090076.D 50 =BF090077.D 60 =BF090078.D 80 =BF090079.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.749	0.588	0.641	0.621	0.636	0.678	0.633	0.649	7.92
3)	Pyridine	0.814	1.501	1.390	1.468	1.732	1.768	1.691	1.481	22.13
4)	n-Nitrosodimet...	0.278	0.364	0.476	0.458	0.538	0.571	0.533	0.460	22.86
5) S	2-Fluorophenol	0.994	1.355	1.323	1.339	1.249	1.190	1.256	1.244	10.03
6)	Aniline	1.852	2.295	2.167	2.041	1.951	2.002	1.837	2.021	8.20
7) S	Phenol-d6	1.662	1.875	1.773	1.562	1.604	1.499	1.422	1.628	9.63
8)	2-Chlorophenol	1.492	1.596	1.503	1.428	1.427	1.348	1.234	1.433	8.15
9)	Benzaldehyde	0.935	0.967	0.968	0.894	0.833	0.767	0.710	0.868	11.66
10) C	Phenol	1.740	2.089	1.965	1.680	1.884	1.653	1.780	1.827	8.73
11)	bis(2-Chloroet...	1.530	1.686	1.589	1.427	1.466	1.336	1.224	1.466	10.60
12)	1,3-Dichlorobe...	1.544	1.597	1.578	1.489	1.384	1.353	1.371	1.474	7.02
13) C	1,4-Dichlorobe...	1.653	1.687	1.634	1.545	1.451	1.369	1.310	1.521	9.71
14)	1,2-Dichlorobe...	1.728	1.658	1.417	1.317	1.291	1.295	0.971	1.383	18.35
15)	Benzyl Alcohol	0.799	1.036	1.015	0.915	0.934	0.910	0.809	0.917	9.94
16)	2,2'-oxybis(1-...	1.851	1.836	1.834	1.811	1.752	1.631	1.442	1.737	8.68
17)	2-Methylphenol	1.092	1.279	1.245	1.186	1.134	1.175	1.091	1.172	6.16
18)	Hexachloroethane	0.620	0.614	0.551	0.534	0.510	0.532	0.505	0.552	8.51
19) P	n-Nitroso-di-n...	1.141	1.103	1.000	1.001	0.899	0.959	0.978	1.012	8.25
20)	3+4-Methylphenols	1.424	1.602	1.547	1.484	1.353	1.403	1.146	1.423	10.48
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.469	0.525	0.500	0.498	0.488	0.453	0.457	0.484	5.43
23) S	Nitrobenzene-d5	0.354	0.397	0.370	0.364	0.336	0.362	0.308	0.356	7.87
24)	Nitrobenzene	0.370	0.389	0.407	0.358	0.401	0.343	0.355	0.375	6.54
25)	Isophorone	0.740	0.786	0.752	0.760	0.727	0.733	0.714	0.745	3.20
26) C	2-Nitrophenol	0.138	0.181	0.203	0.197	0.174	0.185	0.194	0.182	12.00
27)	2,4-Dimethylph...	0.295	0.337	0.335	0.349	0.302	0.310	0.309	0.320	6.41
28)	bis(2-Chloroet...	0.426	0.453	0.483	0.450	0.405	0.439	0.403	0.437	6.49
29) C	2,4-Dichloroph...	0.267	0.311	0.296	0.299	0.290	0.266	0.247	0.282	8.02
30)	1,2,4-Trichlor...	0.303	0.295	0.281	0.287	0.276	0.269	0.239	0.279	7.46
31)	Naphthalene	1.070	1.111	1.079	0.930	0.902	0.912	0.876	0.983	10.10
32)	Benzoic acid	0.106	0.205	0.252	0.270	0.259	0.260	0.257	0.230	25.53
33)	4-Chloroaniline	0.420	0.448	0.456	0.402	0.396	0.411	0.395	0.418	5.93
34) C	Hexachlorobuta...	0.163	0.165	0.151	0.136	0.134	0.127	0.122	0.143	12.17
35)	Caprolactam	0.076	0.100	0.105	0.090	0.092	0.096	0.100	0.094	10.15
36) C	4-Chloro-3-met...	0.309	0.339	0.359	0.313	0.353	0.295	0.326	0.328	7.24
37)	2-Methylnaphth...	0.689	0.699	0.608	0.593	0.603	0.589	0.487	0.610	11.64

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.613	0.612	0.546	0.466	0.432	0.462	0.468	0.514	14.71
40) P	Hexachlorocycl...	0.237	0.292	0.276	0.262	0.259	0.274	0.272	0.267	6.47
41) S	2,4,6-Tribromo...	0.229	0.237	0.194	0.195	0.195	0.176	0.179	0.201	11.59
42) C	2,4,6-Trichlor...	0.360	0.420	0.392	0.356	0.358	0.373	0.351	0.373	6.70
43)	2,4,5-Trichlor...	0.453	0.441	0.400	0.388	0.389	0.374	0.361	0.401	8.48
44) S	2-Fluorobiphenyl	1.571	1.351	1.169	1.002			1.273		19.19
45)	1,1'-Biphenyl	2.024	2.079	1.707	1.477	1.462	1.519	1.188	1.637	19.68
46)	2-Chloronaphth...	1.465	1.404	1.252	1.151	1.046	1.066	1.106	1.213	13.73
47)	2-Nitroaniline	0.363	0.421	0.379	0.398	0.379	0.357	0.412	0.387	6.22
48)	Acenaphthylene	2.643	2.483	2.057	1.985	1.776	1.610	1.703	2.037	19.34
49)	Dimethylphthalate	1.806	1.641	1.389	1.489	1.309	1.472	1.292	1.486	12.43
50)	2,6-Dinitrotol...	0.337	0.346	0.332	0.318	0.347	0.281	0.363	0.332	7.94
51) C	Acenaphthene	1.490	1.217	1.147	1.001	0.940	1.030	1.137		17.59
52)	3-Nitroaniline	0.415	0.460	0.405	0.403	0.358	0.420	0.365	0.404	8.56
53) P	2,4-Dinitrophenol	0.147	0.170	0.190	0.182	0.211	0.184	0.180		11.72
54)	Dibenzofuran	1.986	1.973	1.613	1.582	1.370	1.246	1.241	1.573	19.95
55) P	4-Nitrophenol	0.240	0.270	0.290	0.263	0.314	0.328	0.284		11.59
56)	2,4-Dinitrotol...	0.427	0.482	0.446	0.359	0.391	0.344	0.384	0.405	12.19
57)	Fluorene	1.656	1.614	1.227	1.125	1.137	1.058	0.822	1.234	24.42
58)	2,3,4,6-Tetrac...	0.342	0.368	0.318	0.277	0.278	0.303	0.256	0.306	13.02
59)	Diethylphthalate	1.769	1.612	1.446	1.293	1.368	1.280	1.298	1.438	13.02
60)	4-Chlorophenyl...	0.722	0.680	0.522	0.472	0.442	0.435	0.368	0.520	25.44
61)	4-Nitroaniline	0.404	0.450	0.433	0.412	0.377	0.409	0.377	0.409	6.59
62)	Azobenzene	1.757	1.709	1.554	1.430	1.348	1.434	1.334	1.509	11.21
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.071	0.109	0.129	0.144	0.123	0.144	0.137	0.122	21.29
65) c	n-Nitrosodiphe...	0.707	0.704	0.710	0.605	0.590	0.621	0.499	0.634	12.42
66)	4-Bromophenyl-...	0.194	0.209	0.208	0.203	0.194	0.173	0.169	0.193	8.46
67)	Hexachlorobenzene	0.263	0.246	0.246	0.231	0.204	0.192	0.209	0.227	11.56
68)	Atrazine	0.195	0.218	0.183	0.208	0.176	0.169	0.169	0.188	10.32
69) C	Pentachlorophenol	0.100	0.134	0.147	0.146	0.145	0.133	0.126	0.133	12.34
70)	Phenanthrene	1.102	1.158	0.989	0.944	0.966	0.895	0.711	0.966	15.02
71)	Anthracene	1.287	1.229	1.140	1.019	0.923	0.890	0.899	1.055	15.55
72)	Carbazole	1.175	1.244	1.153	1.112	1.003	0.915	0.976	1.083	11.05
73)	Di-n-butylphth...	1.385	1.416	1.267	1.089	1.127	1.132	1.081	1.214	11.66
74) C	Fluoranthene	1.194	1.165	1.123	0.938	0.872	0.925	0.871	1.013	14.05
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.700	0.881	0.841	0.850	0.791	0.799	0.848	0.816	7.33
77)	Pyrene	1.531	1.594	1.334	1.381	1.324	1.342	1.712	1.460	10.51
78) S	Terphenyl-d14	0.995	0.962	0.760	0.780	0.722	0.742	0.936	0.842	13.85
79)	Butylbenzylphth...	0.645	0.728	0.681	0.708	0.726	0.787	0.814	0.727	7.99
80)	Benzo(a)anthra...	1.192	1.222	1.087	1.132	1.081	1.169	1.290	1.167	6.44
81)	3,3'-Dichlorob...	0.464	0.545	0.488	0.491	0.435	0.462	0.541	0.489	8.41
82)	Chrysene	1.272	1.151	0.905	0.985	1.143	1.114	1.095		11.93

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83)	Bis(2-ethylhex...	0.947	0.965	0.884	0.834	0.803	0.872	0.988	0.899	7.72
84) c	Di-n-octyl pht...	1.524	1.688	1.592	1.491	1.412	1.621	1.921	1.607	10.29
85)	Indeno(1,2,3-c...	0.967	1.110	0.887	0.810	0.820	0.947	1.120	0.952	13.25
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.312	1.278	1.035	1.005	1.351	1.186	1.040	1.172	12.41
88)	Benzo(k)fluora...	1.135	1.185	1.155	1.239	0.842	0.845	0.987	1.056	15.52
89) C	Benzo(a)pyrene	1.167	1.168	1.045	1.042	1.023	0.972	0.943	1.051	8.34
90)	Dibenzo(a,h)an...	0.833	0.938	0.818	0.794	0.781	0.787	0.814	0.823	6.52
91)	Benzo(g,h,i)pe...	0.798	0.845	0.764	0.741	0.750	0.773	0.830	0.786	5.07

(#) = Out of Range