

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF050916.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon May 09 16:04:56 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF086819.D 10 =BF086820.D 25 =BF086821.D 40 =BF086822.D 50 =BF086823.D 60 =BF086824.D 80 =BF086825.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.582	0.598	0.581	0.583	0.560	0.589	0.565	0.580	2.26
3)	Pyridine	1.418	1.197	1.323	1.432	1.545	1.521	1.486	1.417	8.61
4)	n-Nitrosodimet...	0.928	0.943	0.991	1.082	1.023	1.125	1.104	1.028	7.61
5) S	2-Fluorophenol	1.082	1.278	1.248	1.202	1.157	1.141	1.158	1.181	5.67
6)	Aniline	1.939	2.014	2.005	1.903	1.829	1.869	1.803	1.909	4.30
7) S	Phenol-d6	1.777	1.722	1.567	1.585	1.486	1.441	1.471	1.578	8.13
8)	2-Chlorophenol	1.549	1.517	1.440	1.432	1.397	1.389	1.251	1.425	6.82
9)	Benzaldehyde	0.970	1.096	0.973	0.883	0.808	0.753	0.914		13.64
10) C	Phenol	2.097	1.947	1.837	1.932	1.864	1.561	1.893	1.876	8.66
11)	bis(2-Chloroet...	1.555	1.636	1.345	1.561	1.503	1.332	1.306	1.463	9.05
12)	1,3-Dichlorobe...	1.729	1.624	1.485	1.535	1.494	1.513	1.414	1.542	6.73
13) C	1,4-Dichlorobe...	1.828	1.701	1.545	1.491	1.444	1.517	1.481	1.573	8.89
14)	1,2-Dichlorobe...	1.681	1.501	1.440	1.425	1.268	1.192	1.088	1.371	14.70
15)	Benzyl Alcohol	1.076	1.115	1.172	1.111	1.017	1.070	1.069	1.090	4.45
16)	2,2'-oxybis(1-...	3.940	3.478	3.194	3.025	2.894	2.962	2.771	3.180	12.75
17)	2-Methylphenol	1.152	1.208	1.133	1.174	1.114	1.058	1.098	1.134	4.40
18)	Hexachloroethane	0.641	0.599	0.576	0.584	0.575	0.592	0.575	0.592	4.01
19) P	n-Nitroso-di-n...	1.199	1.137	1.135	1.192	1.046	1.018	0.993	1.103	7.59
20)	3+4-Methylphenols	1.459	1.626	1.572	1.543	1.488	1.384	1.295	1.481	7.69
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.512	0.510	0.491	0.466	0.444	0.462	0.424	0.472	7.02
23) S	Nitrobenzene-d5	0.412	0.422	0.404	0.398	0.404	0.381	0.366	0.398	4.76
24)	Nitrobenzene	0.430	0.450	0.434	0.414	0.365	0.373	0.403	0.410	7.76
25)	Isophorone	0.843	0.756	0.764	0.702	0.694	0.718	0.695	0.739	7.33
26) C	2-Nitrophenol	0.167	0.179	0.181	0.190	0.189	0.192	0.163	0.180	6.30
27)	2,4-Dimethylph...	0.345	0.344	0.315	0.283	0.293	0.307	0.261	0.307	10.10
28)	bis(2-Chloroet...	0.427	0.408	0.434	0.412	0.381	0.367	0.361	0.399	7.25
29) C	2,4-Dichloroph...	0.284	0.285	0.284	0.269	0.262	0.269	0.238	0.270	6.19
30)	1,2,4-Trichlor...	0.341	0.322	0.308	0.301	0.291	0.292	0.258	0.302	8.65
31)	Naphthalene	1.220	1.097	0.989	0.986	0.957	0.952	0.811	1.002	12.75
32)	Benzoic acid		0.140	0.179	0.178	0.185	0.216	0.182	0.180	13.33
33)	4-Chloroaniline	0.442	0.416	0.415	0.394	0.366	0.356	0.334	0.389	9.84
34) C	Hexachlorobuta...	0.206	0.192	0.185	0.176	0.165	0.160	0.142	0.175	12.36
35)	Caprolactam	0.083	0.095	0.099	0.087	0.090	0.096	0.094	0.092	5.97
36) C	4-Chloro-3-met...	0.353	0.357	0.330	0.327	0.323	0.289	0.313	0.327	7.10
37)	2-Methylnaphth...		0.689	0.672	0.601	0.541	0.510	0.501	0.586	13.93

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.681	0.614	0.560	0.564	0.564	0.567	0.520	0.582	8.87
40) P	Hexachlorocycl...		0.242	0.264	0.281	0.277	0.292	0.300	0.276	7.56
41) S	2,4,6-Tribromo...	0.226	0.226	0.225	0.204	0.188	0.183	0.231	0.212	9.44
42) C	2,4,6-Trichlor...	0.415	0.419	0.397	0.371	0.365	0.374	0.381	0.389	5.57
43)	2,4,5-Trichlor...	0.453	0.432	0.416	0.400	0.371	0.377	0.366	0.402	8.22
44) S	2-Fluorobiphenyl		1.492	1.315	1.056	1.047	1.119	1.111	1.190	14.87
45)	1,1'-Biphenyl	1.973	1.730	1.609	1.638	1.490	1.387	1.308	1.591	14.04
46)	2-Chloronaphth...	1.485	1.333	1.242	1.283	1.199	1.131	1.052	1.246	11.32
47)	2-Nitroaniline	0.437	0.457	0.491	0.430	0.415	0.461	0.498	0.456	6.77
48)	Acenaphthylene		2.163	1.996	1.905	1.721	1.624	1.590	1.833	12.34
49)	Dimethylphthalate	1.807	1.653	1.561	1.416	1.369	1.479	1.396	1.526	10.44
50)	2,6-Dinitrotol...	0.315	0.335	0.348	0.302	0.336	0.335	0.277	0.321	7.77
51) C	Acenaphthene		1.272	1.222	1.212	1.104	1.023	1.010	1.140	9.70
52)	3-Nitroaniline	0.291	0.354	0.360	0.329	0.359	0.346	0.327	0.338	7.27
53) P	2,4-Dinitrophenol		0.065	0.117	0.136	0.157	0.165	0.162	0.134	28.65
54)	Dibenzofuran		1.722	1.593	1.541	1.386	1.307	1.234	1.464	12.71
55) P	4-Nitrophenol		0.144	0.186	0.213	0.213	0.227	0.224	0.201	15.73
56)	2,4-Dinitrotol...	0.399	0.436	0.408	0.399	0.393	0.347	0.399	0.397	6.62
57)	Fluorene		1.490	1.290	1.298	1.269	1.176	0.968	1.248	13.73
58)	2,3,4,6-Tetrac...	0.323	0.306	0.320	0.318	0.299	0.287	0.266	0.303	6.85
59)	Diethylphthalate	1.745	1.686	1.405	1.489	1.390	1.293	1.401	1.487	11.24
60)	4-Chlorophenyl...	0.848	0.743	0.654	0.548	0.502	0.515		0.635	21.93
61)	4-Nitroaniline	0.221	0.344	0.356	0.346	0.353	0.327	0.325	0.325	14.57
62)	Azobenzene	1.852	1.737	1.723	1.555	1.411	1.390	1.560	1.604	10.82
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.091	0.127	0.121	0.133	0.141	0.133	0.124	14.27
65) c	n-Nitrosodiphe...	0.703	0.626	0.663	0.584	0.565	0.574	0.585	0.614	8.41
66)	4-Bromophenyl-...	0.215	0.207	0.213	0.214	0.205	0.196	0.170	0.203	7.95
67)	Hexachlorobenzene	0.268	0.255	0.244	0.216	0.215	0.233	0.229	0.237	8.36
68)	Atrazine	0.209	0.229	0.190	0.222	0.206	0.175		0.205	9.78
69) C	Pentachlorophenol		0.084	0.108	0.120	0.120	0.117	0.108	0.110	12.25
70)	Phenanthrene	1.273	1.191	1.094	0.977	0.978	1.012	0.947	1.067	11.59
71)	Anthracene	1.307	1.151	1.152	1.131	1.052	0.965	0.884	1.092	12.72
72)	Carbazole	1.049	0.980	1.043	0.909	0.870	0.825	0.891	0.938	9.28
73)	Di-n-butylphth...	1.273	1.241	1.280	1.150	1.071	1.029	0.977	1.146	10.75
74) C	Fluoranthene	1.315	1.157	1.098	1.117	1.104	1.048	0.846	1.098	12.74
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.370	0.507	0.548	0.558	0.540	0.542	0.504	0.510	12.74
77)	Pyrene	1.614	1.583	1.363	1.471	1.607	1.600	1.480	1.531	6.25
78) S	Terphenyl-d14	1.066	0.999	0.791	0.936	0.987	0.967	0.852	0.943	9.92
79)	Butylbenzylphth...	0.621	0.663	0.627	0.623	0.620	0.643	0.737	0.648	6.50
80)	Benzo(a)anthra...	1.255	1.178	1.147	1.082	1.041	1.048	1.107	1.123	6.82
81)	3,3'-Dichlorob...	0.723	0.729	0.714	0.749	0.716	0.684	0.679	0.713	3.44
82)	Chrysene	1.353	1.247	1.015	1.020	1.102	1.160	1.099	1.142	10.74

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83)	Bis(2-ethylhex...	0.851	0.823	0.769	0.769	0.748	0.734	0.759	0.779	5.43
84) c	Di-n-octyl pht...	1.315	1.256	1.259	1.271	1.250	1.302	1.380	1.290	3.58
85)	Indeno(1,2,3-c...	0.862	0.853	0.840	0.953	0.981	1.046	1.117	0.950	11.15
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.520	1.474	1.342	1.196	1.136	1.106	1.325	1.300	12.42
88)	Benzo(k)fluora...	1.170	1.073	1.114	1.097	1.098	1.135	0.763	1.064	12.82
89) C	Benzo(a)pyrene	1.271	1.172	1.131	1.097	1.088	1.101	0.988	1.121	7.73
90)	Dibenzo(a,h)an...	0.877	0.925	0.915	0.985	0.994	0.972	0.947	0.945	4.48
91)	Benzo(g,h,i)pe...	0.845	0.920	0.901	1.001	1.030	1.030	0.994	0.960	7.47

(#) = Out of Range