

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF060416.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Jun 04 11:07:28 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF087654.D 10 =BF087652.D 25 =BF087651.D 40 =BF087650.D 50 =BF087649.D 60 =BF087648.D 80 =BF087647.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.563	0.647	0.620	0.615	0.586	0.589	0.567	0.598	5.10
3)	Pyridine	1.496	1.622	1.635	1.646	1.597	1.528	1.536	1.580	3.75
4)	n-Nitrosodimet...	0.685	0.599	0.697	0.683	0.662	0.670	0.677	0.668	4.82
5) S	2-Fluorophenol	1.425	1.319	1.312	1.291	1.154	1.036	1.126	1.237	10.96
6)	Aniline	2.455	2.329	2.246	2.221	2.054	2.083	2.009	2.200	7.33
7) S	Phenol-d6	1.876	1.654	1.562	1.598	1.423	1.413	1.337	1.552	11.76
8)	2-Chlorophenol	1.550	1.558	1.546	1.354	1.363	1.383	1.213	1.424	9.23
9)	Benzaldehyde	1.209	1.192	1.114	1.091	1.025	0.943	0.770	1.049	14.65
10) C	Phenol	1.973	1.916	1.805	1.946	1.686	1.446	1.598	1.767	11.22
11)	bis(2-Chloroet...	1.390	1.372	1.375	1.177	1.342	1.269	1.064	1.284	9.59
12)	1,3-Dichlorobe...	1.819	1.689	1.570	1.425	1.360	1.388	1.420	1.524	11.43
13) C	1,4-Dichlorobe...	1.819	1.759	1.660	1.500	1.359	1.326	1.285	1.530	14.24
14)	1,2-Dichlorobe...	1.727	1.562	1.432	1.375	1.364	1.389	1.190	1.434	11.82
15)	Benzyl Alcohol	1.281	1.216	1.254	1.207	1.027	1.025	1.015	1.146	10.35
16)	2,2'-oxybis(1-...	2.089	1.933	1.897	1.840	1.855	1.809	1.685	1.872	6.60
17)	2-Methylphenol	1.195	1.252	1.154	1.145	1.117	1.064	1.077	1.143	5.76
18)	Hexachloroethane	0.542	0.541	0.572	0.546	0.525	0.523	0.495	0.535	4.48
19) P	n-Nitroso-di-n...	1.086	1.034	1.076	0.888	0.977	0.846	0.876	0.969	10.28
20)	3+4-Methylphenols	1.597	1.513	1.602	1.317	1.342	1.300	1.135	1.401	12.46
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.506	0.513	0.435	0.478	0.430	0.388	0.420	0.453	10.32
23) S	Nitrobenzene-d5	0.362	0.331	0.376	0.336	0.338	0.366	0.310	0.346	6.71
24)	Nitrobenzene	0.336	0.370	0.318	0.372	0.368	0.318	0.340	0.346	6.93
25)	Isophorone	0.663	0.649	0.615	0.621	0.615	0.638	0.604	0.629	3.39
26) C	2-Nitrophenol	0.123	0.155	0.162	0.155	0.167	0.189	0.175	0.161	12.81
27)	2,4-Dimethylph...	0.361	0.339	0.321	0.343	0.336	0.320	0.312	0.333	5.03
28)	bis(2-Chloroet...	0.448	0.425	0.381	0.385	0.413	0.412	0.331	0.399	9.45
29) C	2,4-Dichloroph...	0.253	0.279	0.295	0.267	0.274	0.284	0.263	0.274	5.05
30)	1,2,4-Trichlor...	0.313	0.297	0.301	0.285	0.279	0.272	0.260	0.287	6.37
31)	Naphthalene	1.060	1.062	1.071	0.961	0.890	0.883	0.880	0.972	9.29
32)	Benzoic acid		0.168	0.208	0.221	0.187	0.195	0.228	0.201	11.10
33)	4-Chloroaniline	0.429	0.441	0.464	0.408	0.383	0.404	0.428	0.422	6.32
34) C	Hexachlorobuta...	0.150	0.148	0.151	0.152	0.154	0.152	0.136	0.149	4.19
35)	Caprolactam	0.076	0.083	0.093	0.089	0.095	0.099	0.095	0.090	8.91
36) C	4-Chloro-3-met...	0.289	0.280	0.301	0.294	0.264	0.305	0.248	0.283	7.28
37)	2-Methylnaphth...	0.714	0.664	0.629	0.630	0.653	0.656	0.549	0.642	7.74

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.653	0.648	0.556	0.492	0.468	0.491	0.551	14.93	
40) P	Hexachlorocycl...	0.317	0.353	0.346	0.314	0.306	0.312	0.322	0.324	5.52
41) S	2,4,6-Tribromo...	0.212	0.243	0.204	0.193	0.203	0.195	0.156	0.201	12.95
42) C	2,4,6-Trichlor...	0.443	0.460	0.415	0.417	0.408	0.389	0.382	0.416	6.70
43)	2,4,5-Trichlor...	0.370	0.426	0.396	0.419	0.411	0.325	0.366	0.387	9.28
44) S	2-Fluorobiphenyl	1.655	1.407	1.378	1.239	1.100	0.931	1.285		19.74
45)	1,1'-Biphenyl	2.044	1.763	1.518	1.492	1.553	1.369	1.623		14.95
46)	2-Chloronaphth...	1.465	1.507	1.371	1.184	1.171	1.218	1.128	1.292	11.87
47)	2-Nitroaniline	0.284	0.392	0.408	0.346	0.353	0.401	0.362	0.364	11.72
48)	Acenaphthylene	2.475	2.082	1.994	2.049	1.927	1.562	2.015		14.55
49)	Dimethylphthalate	1.621	1.757	1.437	1.540	1.264	1.256	1.304	1.454	13.32
50)	2,6-Dinitrotol...	0.318	0.365	0.320	0.364	0.326	0.280	0.342	0.331	8.99
51) C	Acenaphthene	1.565	1.479	1.294	1.294	1.276	1.167	1.000	1.296	14.45
52)	3-Nitroaniline	0.360	0.376	0.428	0.340	0.402	0.392	0.351	0.378	8.16
53) P	2,4-Dinitrophenol	0.079	0.139	0.153	0.133	0.154	0.149	0.134		20.99
54)	Dibenzofuran	2.131	1.808	1.833	1.783	1.680	1.354	1.765		14.25
55) P	4-Nitrophenol	0.307	0.366	0.275	0.350	0.301	0.340	0.323		10.58
56)	2,4-Dinitrotol...	0.337	0.488	0.409	0.475	0.432	0.365	0.443	0.421	13.07
57)	Fluorene	1.719	1.348	1.254	1.316	1.262		1.380		14.04
58)	2,3,4,6-Tetrac...	0.355	0.389	0.331	0.321	0.336	0.326	0.278	0.334	10.10
59)	Diethylphthalate	1.756	1.611	1.545	1.429	1.325	1.253	1.304	1.460	12.63
60)	4-Chlorophenyl...	0.757	0.718	0.642	0.557	0.495	0.464		0.605	19.72
61)	4-Nitroaniline	0.354	0.340	0.358	0.405	0.333	0.388	0.368	0.364	7.06
62)	Azobenzene	1.518	1.504	1.659	1.535	1.426	1.312	1.334	1.470	8.28
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.041	0.079	0.112	0.110	0.111		0.091		33.98
65) c	n-Nitrosodiphe...	0.663	0.717	0.687	0.634	0.670	0.674	0.540	0.655	8.65
66)	4-Bromophenyl-...	0.200	0.199	0.212	0.216	0.203	0.186	0.172	0.198	7.62
67)	Hexachlorobenzene	0.245	0.243	0.227	0.211	0.202	0.212	0.212	0.222	7.69
68)	Atrazine	0.171	0.209	0.180	0.204	0.218	0.194	0.184	0.194	8.70
69) C	Pentachlorophenol	0.115	0.126	0.147	0.142	0.138	0.122	0.132		9.34
70)	Phenanthrene	1.286	1.234	1.061	1.002	1.049	1.076	0.884	1.084	12.59
71)	Anthracene	1.222	1.149	1.158	1.155	1.010	0.915	0.996	1.087	10.34
72)	Carbazole	1.072	1.131	1.091	0.975	0.945	1.029	0.958	1.029	7.01
73)	Di-n-butylphth...	1.079	1.206	1.218	1.178	1.039	0.998	1.002	1.103	8.70
74) C	Fluoranthene	1.115	1.156	1.180	1.100	1.011	0.928	0.980	1.067	8.92
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.784	0.873	0.908	0.820	0.734	0.613	0.789		13.46
77)	Pyrene	1.502	1.458	1.603	1.436	1.289	1.225	1.456	1.424	8.98
78) S	Terphenyl-d14	0.970	0.915	0.941	0.757	0.675	0.715	0.764	0.820	14.57
79)	Butylbenzylphth...	0.512	0.633	0.657	0.624	0.621	0.588	0.606		8.40
80)	Benzo(a)anthra...	1.288	1.275	1.259	1.164	1.073	0.996	1.026	1.154	10.69
81)	3,3'-Dichlorob...	0.238	0.326	0.352	0.356	0.364	0.332	0.311	0.326	13.22
82)	Chrysene	1.242	1.189	1.334	1.142	1.016	1.001	1.118	1.149	10.36

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83)	Bis(2-ethylhex...	0.616	0.772	0.844	0.768	0.695	0.670	0.684	0.721	10.69
84) c	Di-n-octyl pht...		1.261	1.417	1.370	1.316	1.314	1.369	1.341	4.09
85)	Indeno(1,2,3-c...	0.789	0.927	1.028	0.970	0.935	0.952	1.045	0.950	8.82
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.217	1.270	1.491	1.337	1.254	1.166	1.373	1.301	8.37
88)	Benzo(k)fluora...		1.272	0.958	1.030	1.024	1.128		1.082	11.28
89) C	Benzo(a)pyrene	1.020	1.170	1.135	1.125	1.089	1.114	1.003	1.094	5.62
90)	Dibenzo(a,h)an...	0.818	0.933	0.946	0.959	0.953	0.961	0.945	0.931	5.45
91)	Benzo(g,h,i)pe...	0.825	0.926	0.926	0.969	0.973	0.975	0.979	0.939	5.88

(#) = Out of Range