

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF052316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue May 24 01:40:43 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF087308.D 10 =BF087307.D 25 =BF087306.D 40 =BF087305.D 50 =BF087304.D 60 =BF087303.D 80 =BF087302.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.692	0.579	0.589	0.601	0.582	0.560	0.601	7.75	
3)	Pyridine	1.093	1.248	1.409	1.377	1.393	1.357	1.313	9.29	
4)	n-Nitrosodimet...	0.910	0.968	1.042	1.071	1.058	1.020	1.012	6.07	
5) S	2-Fluorophenol	0.846	1.133	1.215	1.203	1.211	1.211	1.149	1.138	11.70
6)	Aniline	1.830	2.006	2.077	2.070	2.026	2.028	1.890	1.990	4.71
7) S	Phenol-d6	1.367	1.630	1.615	1.540	1.527	1.576	1.511	1.538	5.70
8)	2-Chlorophenol	1.434	1.472	1.457	1.431	1.395	1.406	1.341	1.419	3.07
9)	Benzaldehyde	0.869	1.033	0.955	0.778	0.759	0.700	0.849	14.97	
10) C	Phenol	1.820	1.909	1.789	1.546	1.473	1.607	1.612	1.679	9.56
11)	bis(2-Chloroet...	1.407	1.404	1.413	1.342	1.311	1.337	1.302	1.359	3.50
12)	1,3-Dichlorobe...	1.666	1.610	1.547	1.531	1.515	1.546	1.423	1.548	4.92
13) C	1,4-Dichlorobe...	1.717	1.651	1.626	1.571	1.549	1.558	1.453	1.589	5.33
14)	1,2-Dichlorobe...	1.587	1.552	1.533	1.433	1.414	1.432	1.340	1.470	6.06
15)	Benzyl Alcohol	0.760	1.111	1.201	1.197	1.182	1.205	1.193	1.121	14.50
16)	2,2'-oxybis(1-...	3.337	3.210	3.173	2.989	2.937	2.965	2.799	3.058	6.11
17)	2-Methylphenol	1.226	1.168	1.125	1.131	1.106	1.120	1.087	1.138	4.07
18)	Hexachloroethane	0.623	0.609	0.617	0.589	0.588	0.585	0.540	0.593	4.69
19) P	n-Nitroso-di-n...	1.127	1.162	1.154	1.130	1.139	1.173	1.144	1.147	1.46
20)	3+4-Methylphenols	1.117	1.403	1.474	1.446	1.426	1.409	1.351	1.375	8.75
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.481	0.471	0.481	0.482	0.468	0.487	0.475	0.478	1.40
23) S	Nitrobenzene-d5	0.370	0.417	0.398	0.410	0.390	0.396	0.397	0.397	3.78
24)	Nitrobenzene	0.418	0.425	0.426	0.436	0.415	0.401	0.411	0.419	2.71
25)	Isophorone	0.709	0.736	0.709	0.716	0.695	0.713	0.704	0.712	1.79
26) C	2-Nitrophenol	0.135	0.168	0.180	0.184	0.177	0.183	0.173	0.171	9.88
27)	2,4-Dimethylph...	0.289	0.304	0.301	0.303	0.292	0.295	0.297	0.297	1.92
28)	bis(2-Chloroet...	0.409	0.414	0.408	0.396	0.396	0.387	0.396	0.401	2.37
29) C	2,4-Dichloroph...	0.233	0.275	0.280	0.279	0.273	0.272	0.263	0.268	6.14
30)	1,2,4-Trichlor...	0.318	0.318	0.313	0.307	0.302	0.301	0.288	0.307	3.57
31)	Naphthalene	1.120	1.057	1.033	0.978	0.955	0.972	0.900	1.002	7.29
32)	Benzoic acid	0.104	0.128	0.153	0.141	0.155	0.166	0.141	15.93	
33)	4-Chloroaniline	0.375	0.392	0.381	0.379	0.360	0.362	0.334	0.369	5.12
34) C	Hexachlorobuta...	0.197	0.189	0.189	0.187	0.182	0.184	0.176	0.186	3.50
35)	Caprolactam	0.058	0.079	0.084	0.081	0.084	0.082	0.080	0.078	11.82
36) C	4-Chloro-3-met...	0.283	0.305	0.310	0.318	0.310	0.299	0.295	0.303	3.85
37)	2-Methylnaphth...	0.682	0.679	0.638	0.620	0.605	0.592	0.567	0.626	6.91

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.676	0.667	0.640	0.641	0.623	0.619	0.615	0.640	3.70
40) P	Hexachlorocycl...		0.097	0.162	0.234	0.225	0.246	0.273	0.206	31.49
41) S	2,4,6-Tribromo...	0.180	0.193	0.194	0.199	0.193	0.192	0.194	0.192	2.98
42) C	2,4,6-Trichlor...	0.326	0.368	0.379	0.387	0.380	0.377	0.368	0.370	5.50
43)	2,4,5-Trichlor...	0.358	0.376	0.371	0.384	0.386	0.383	0.377	0.376	2.58
44) S	2-Fluorobiphenyl	1.622	1.510	1.448	1.391	1.338	1.369	1.254	1.419	8.52
45)	1,1'-Biphenyl	1.832	1.834	1.757	1.631	1.597	1.671	1.466	1.684	7.97
46)	2-Chloronaphth...	1.386	1.366	1.309	1.277	1.251	1.207	1.222	1.288	5.34
47)	2-Nitroaniline	0.374	0.459	0.481	0.483	0.472	0.498	0.482	0.464	8.92
48)	Acenaphthylene	2.123	2.184	2.123	2.019	1.955	2.014	1.859	2.040	5.51
49)	Dimethylphthalate	1.652	1.651	1.609	1.604	1.571	1.584	1.544	1.602	2.49
50)	2,6-Dinitrotol...	0.298	0.336	0.348	0.325	0.335	0.320	0.297	0.323	6.04
51) C	Acenaphthene	1.395	1.343	1.279	1.203	1.194	1.214	1.146	1.254	7.13
52)	3-Nitroaniline	0.272	0.340	0.335	0.339	0.329	0.360	0.345	0.331	8.47
53) P	2,4-Dinitrophenol		0.072	0.118	0.162	0.151	0.163	0.164	0.138	26.72
54)	Dibenzofuran	1.849	1.807	1.743	1.654	1.634	1.590	1.603	1.697	6.05
55) P	4-Nitrophenol		0.123	0.159	0.162	0.156	0.165	0.184	0.158	12.57
56)	2,4-Dinitrotol...	0.356	0.434	0.453	0.453	0.438	0.436	0.450	0.431	7.93
57)	Fluorene	1.614	1.576	1.508	1.454	1.417	1.412	1.321	1.472	6.91
58)	2,3,4,6-Tetrac...	0.252	0.289	0.299	0.308	0.301	0.296	0.280	0.289	6.46
59)	Diethylphthalate	1.658	1.626	1.556	1.527	1.487	1.543	1.509	1.558	3.99
60)	4-Chlorophenyl...	0.785	0.758	0.726	0.709	0.697	0.680	0.667	0.718	5.88
61)	4-Nitroaniline	0.208	0.309	0.333	0.344	0.338	0.315	0.317	0.309	15.00
62)	Azobenzene	1.635	1.588	1.562	1.690	1.630	1.651	1.557	1.616	3.03
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.098	0.118	0.142	0.136	0.134	0.135	0.127	12.85
65) c	n-Nitrosodiphe...	0.682	0.663	0.647	0.662	0.642	0.620	0.611	0.647	3.84
66)	4-Bromophenyl-...	0.226	0.233	0.217	0.222	0.217	0.214	0.202	0.219	4.38
67)	Hexachlorobenzene	0.244	0.238	0.225	0.232	0.224	0.222	0.216	0.229	4.25
68)	Atrazine	0.215	0.230	0.218	0.210	0.202	0.162		0.206	11.41
69) C	Pentachlorophenol		0.035	0.054	0.070	0.066	0.066	0.073	0.061	23.40
70)	Phenanthrene	1.261	1.184	1.105	1.098	1.075	1.021	1.011	1.108	8.00
71)	Anthracene	1.213	1.212	1.152	1.110	1.077	1.045	1.025	1.119	6.81
72)	Carbazole	0.977	1.020	0.967	0.964	0.954	0.892	0.907	0.955	4.53
73)	Di-n-butylphth...	1.204	1.299	1.252	1.299	1.263	1.191	1.132	1.234	4.99
74) C	Fluoranthene	1.213	1.187	1.142	1.136	1.096	1.061	0.942	1.111	8.13
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.373	0.584	0.531	0.567	0.517	0.515		0.515	14.50
77)	Pyrene	1.513	1.461	1.417	1.449	1.351	1.451	1.435	1.440	3.40
78) S	Terphenyl-d14	1.030	0.964	0.860	0.957	0.908	0.920	0.946	0.941	5.66
79)	Butylbenzylphth...	0.543	0.608	0.618	0.687	0.640	0.726	0.646	0.638	9.17
80)	Benzo(a)anthra...	1.190	1.193	1.097	1.151	1.076	1.146	1.111	1.138	3.97
81)	3,3'-Dichlorob...	0.637	0.682	0.649	0.614	0.580	0.630	0.608	0.628	5.16
82)	Chrysene	1.278	1.194	1.108	1.104	1.048	1.146	1.025	1.129	7.69

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83)	Bis(2-ethylhex...	0.862	0.940	0.910	0.957	0.901	0.990	0.960	0.932	4.63
84) c	Di-n-octyl pht...	1.209	1.425	1.405	1.537	1.442	1.549	1.377	1.421	7.99
85)	Indeno(1,2,3-c...	0.899	0.905	0.839	0.924	0.871	0.968	0.930	0.905	4.62
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.354	1.126	1.154	1.373	1.398	1.347	1.166	1.274	9.33
88)	Benzo(k)fluora...	1.145	1.322	1.276	0.933	0.918	1.009	1.073	1.097	14.54
89) C	Benzo(a)pyrene	1.187	1.106	1.122	1.074	1.090	1.103	1.032	1.102	4.32
90)	Dibenzo(a,h)an...	0.885	0.923	0.923	0.952	0.951	0.998	0.946	0.940	3.68
91)	Benzo(g,h,i)pe...	0.877	0.873	0.889	0.940	0.943	1.002	0.967	0.927	5.31

(#) = Out of Range