

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF030316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Mar 04 00:54:58 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF085156.D 10 =BF085157.D 25 =BF085158.D 40 =BF085159.D 50 =BF085160.D 60 =BF085161.D 80 =BF085162.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.746	0.620	0.603	0.580	0.577	0.578	0.564	0.610	10.31
3)	Pyridine	1.566	1.596	1.620	1.465	1.544	1.421	1.471	1.526	4.89
4)	n-Nitrosodimet...	0.651	0.668	0.674	0.657	0.646	0.642	0.635	0.653	2.13
5) S	2-Fluorophenol	1.332	1.294	1.358	1.075	1.062	1.067	1.158	1.192	11.10
6)	Aniline	2.372	2.256	2.293	2.192	2.118	2.098	1.996	2.189	5.89
7) S	Phenol-d6	1.874	1.742	1.583	1.467	1.456	1.417	1.396	1.562	11.66
8)	2-Chlorophenol	1.705	1.601	1.434	1.389	1.403	1.319	1.197	1.435	11.86
9)	Benzaldehyde	1.086	1.019	0.926	0.701	0.689	0.626	0.580	0.804	25.19
10) C	Phenol	1.888	1.783	1.688	1.560	1.656	1.478	1.658	1.673	8.09
11)	bis(2-Chloroet...	1.499	1.400	1.485	1.450	1.359	1.381	1.153	1.390	8.40
12)	1,3-Dichlorobe...	1.772	1.664	1.549	1.504	1.476	1.463	1.361	1.541	8.89
13) C	1,4-Dichlorobe...	1.842	1.807	1.619	1.410	1.372	1.363	1.398	1.545	13.60
14)	1,2-Dichlorobe...	1.580	1.553	1.462	1.417	1.400	1.302	1.096	1.401	11.71
15)	Benzyl Alcohol	1.287	1.289	1.127	1.105	1.104	1.021	1.093	1.147	8.90
16)	2,2'-oxybis(1-...	2.281	2.222	2.146	1.881	1.857	1.815	1.819	2.003	10.22
17)	2-Methylphenol	1.169	1.201	1.238	1.192	1.167	1.154	1.077	1.171	4.27
18)	Hexachloroethane	0.585	0.601	0.607	0.566	0.569	0.549	0.512	0.570	5.72
19) P	n-Nitroso-di-n...	1.066	1.151	0.993	1.006	0.978	1.014	0.918	1.018	7.20
20)	3+4-Methylphenols	1.667	1.634	1.492	1.255	1.229	1.239	1.195	1.387	14.76
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.528	0.567	0.489	0.488	0.494	0.431	0.420	0.488	10.50
23) S	Nitrobenzene-d5	0.399	0.363	0.400	0.386	0.366	0.378	0.325	0.374	6.88
24)	Nitrobenzene	0.390	0.413	0.358	0.386	0.396	0.344	0.371	0.380	6.19
25)	Isophorone	0.678	0.730	0.671	0.701	0.706	0.687	0.675	0.693	3.05
26) C	2-Nitrophenol	0.154	0.185	0.184	0.195	0.186	0.197	0.193	0.185	7.85
27)	2,4-Dimethylph...	0.313	0.338	0.362	0.355	0.348	0.351	0.297	0.338	7.13
28)	bis(2-Chloroet...	0.394	0.379	0.429	0.380	0.386	0.360	0.372	0.386	5.72
29) C	2,4-Dichloroph...	0.255	0.276	0.292	0.279	0.273	0.276	0.255	0.272	4.90
30)	1,2,4-Trichlor...	0.313	0.315	0.318	0.293	0.292	0.276	0.254	0.294	8.05
31)	Naphthalene	1.122	1.104	1.079	0.918	0.897	0.885	0.879	0.983	11.38
32)	Benzoic acid		0.167	0.202	0.246	0.246	0.247	0.237	0.224	14.60
33)	4-Chloroaniline	0.406	0.417	0.449	0.376	0.375	0.371	0.390	0.398	7.12
34) C	Hexachlorobuta...	0.156	0.154	0.150	0.157	0.153	0.154	0.148	0.153	1.92
35)	Caprolactam	0.085	0.084	0.088	0.090	0.092	0.089	0.095	0.089	4.39
36) C	4-Chloro-3-met...	0.298	0.342	0.304	0.305	0.313	0.283	0.319	0.309	6.02
37)	2-Methylnaphth...	0.693	0.665	0.621	0.642	0.637	0.616	0.543	0.631	7.44

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.655	0.646	0.635	0.528	0.522	0.502	0.516	0.572	12.15
40) P	Hexachlorocycl...	0.283	0.323	0.327	0.314	0.308	0.299	0.305	0.308	4.91
41) S	2,4,6-Tribromo...	0.177	0.182	0.165	0.177	0.178	0.163	0.157	0.171	5.53
42) C	2,4,6-Trichlor...	0.467	0.438	0.403	0.426	0.423	0.410	0.412	0.426	5.06
43)	2,4,5-Trichlor...	0.405	0.416	0.413	0.411	0.419	0.387	0.375	0.404	4.08
44) S	2-Fluorobiphenyl	1.652	1.618	1.275	1.227	1.202	1.183	1.048	1.315	17.47
45)	1,1'-Biphenyl	1.988	1.949	1.894	1.528	1.501	1.545	1.556	1.709	12.99
46)	2-Chloronaphth...	1.489	1.449	1.276	1.271	1.258	1.240	1.134	1.302	9.52
47)	2-Nitroaniline	0.352	0.405	0.427	0.416	0.394	0.418	0.413	0.404	6.23
48)	Acenaphthylene	2.480	2.248	2.111	1.931	1.960	1.762	1.698	2.027	13.56
49)	Dimethylphthalate	1.737	1.556	1.602	1.549	1.525	1.444	1.332	1.535	8.22
50)	2,6-Dinitrotol...	0.314	0.369	0.307	0.341	0.349	0.317	0.302	0.328	7.56
51) C	Acenaphthene	1.473	1.339	1.328	1.167	1.168	1.085	1.057	1.231	12.38
52)	3-Nitroaniline	0.389	0.370	0.420	0.433	0.414	0.403	0.321	0.393	9.63
53) P	2,4-Dinitrophenol		0.078	0.128	0.143	0.143	0.156	0.174	0.137	24.08
54)	Dibenzofuran	1.941	1.823	1.634	1.577	1.576	1.452	1.284	1.613	13.62
55) P	4-Nitrophenol	0.261	0.303	0.331	0.342	0.338	0.317	0.269	0.309	10.54
56)	2,4-Dinitrotol...	0.375	0.462	0.409	0.422	0.437	0.387	0.450	0.420	7.63
57)	Fluorene		1.530	1.368	1.266	1.260	1.159	1.017	1.267	13.83
58)	2,3,4,6-Tetrac...	0.277	0.300	0.279	0.298	0.299	0.280	0.253	0.284	6.00
59)	Diethylphthalate	1.545	1.678	1.538	1.479	1.466	1.450	1.271	1.490	8.27
60)	4-Chlorophenyl...	0.718	0.710	0.679	0.586	0.577	0.545	0.499	0.616	13.95
61)	4-Nitroaniline	0.384	0.360	0.338	0.381	0.360	0.380	0.369	0.367	4.46
62)	Azobenzene	1.592	1.457	1.605	1.487	1.482	1.391	1.259	1.468	8.08
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.081	0.120	0.135	0.133	0.131	0.118	0.120	16.67
65) c	n-Nitrosodiphe...	0.666	0.679	0.685	0.586	0.589	0.609	0.542	0.622	8.81
66)	4-Bromophenyl-...	0.203	0.200	0.208	0.199	0.200	0.184	0.165	0.194	7.73
67)	Hexachlorobenzene	0.230	0.221	0.199	0.212	0.210	0.203	0.176	0.207	8.38
68)	Atrazine	0.210	0.197	0.218	0.149	0.149	0.149	0.140	0.173	19.54
69) C	Pentachlorophenol	0.089	0.122	0.127	0.116	0.119	0.115	0.117	0.115	10.66
70)	Phenanthrene	1.293	1.208	1.179	0.947	0.975	0.908	0.828	1.048	16.82
71)	Anthracene	1.277	1.324	1.137	1.039	1.036	1.064	0.913	1.113	13.03
72)	Carbazole	1.159	1.126	0.964	0.954	0.976	0.913	0.739	0.976	14.29
73)	Di-n-butylphth...	1.382	1.466	1.235	1.149	1.145	1.162	1.094	1.233	11.27
74) C	Fluoranthene	1.248	1.192	1.076	1.009	1.035	0.969	0.833	1.052	13.19
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.473	0.565	0.685	0.695	0.650	0.605	0.494	0.595	14.87
77)	Pyrene	1.549	1.449	1.517	1.683	1.524	1.519	1.297	1.505	7.70
78) S	Terphenyl-d14	0.887	0.855	0.905	0.877	0.779	0.853	0.875	0.862	4.70
79)	Butylbenzylphth...	0.599	0.655	0.672	0.733	0.694	0.717	0.710	0.683	6.68
80)	Benzo(a)anthra...	1.279	1.239	1.169	1.219	1.192	1.192	1.090	1.197	4.99
81)	3,3'-Dichlorob...	0.332	0.367	0.412	0.408	0.383	0.371	0.372	0.378	7.17
82)	Chrysene	1.153	1.072	1.055	1.234	1.164	1.119	0.945	1.106	8.41

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83)	Bis(2-ethylhex...	0.882	0.938	0.946	0.942	0.882	0.884	0.817	0.899	5.18
84) c	Di-n-octyl pht...	1.167	1.278	1.369	1.524	1.516	1.440	1.289	1.369	9.71
85)	Indeno(1,2,3-c...	0.685	0.695	0.832	1.030	0.874	0.976	0.950	0.863	15.63
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.392	1.401	1.231	1.406	1.371	1.332	1.198	1.333	6.38
88)	Benzo(k)fluora...	1.124	1.178	1.260	0.936	0.952	0.966	1.111	1.075	11.72
89) C	Benzo(a)pyrene	1.082	1.166	1.137	1.123	1.089	1.100	1.036	1.105	3.83
90)	Dibenzo(a,h)an...	0.798	0.865	0.975	1.045	0.903	1.021	0.993	0.943	9.54
91)	Benzo(g,h,i)pe...	0.789	0.849	0.970	1.064	0.902	1.039	1.024	0.948	11.02

(#) = Out of Range