

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF121115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Dec 11 19:24:37 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF083698.D 10 =BF083699.D 25 =BF083700.D 40 =BF083701.D 50 =BF083702.D 60 =BF083703.D 80 =BF083704.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.671	0.653	0.630	0.649	0.643	0.608	0.592	0.635	4.28
3)	Pyridine	1.488	1.747	1.655	1.747	1.731	1.600	1.583	1.650	5.99
4)	n-Nitrosodimet...	0.652	0.665	0.686	0.696	0.702	0.650	0.646	0.671	3.47
5) S	2-Fluorophenol	1.379	1.394	1.274	1.367	1.378	1.246	1.055	1.299	9.40
6)	Aniline	2.194	2.398	2.208	2.259	2.251	2.084	1.976	2.196	6.14
7) S	Phenol-d6	1.754	1.675	1.659	1.583	1.658	1.468	1.430	1.604	7.32
8)	2-Chlorophenol	1.414	1.547	1.487	1.452	1.425	1.352	1.257	1.419	6.61
9)	Benzaldehyde	1.054	1.099	0.964	0.919	0.813	0.717	0.618	0.883	19.94
10) C	Phenol	2.052	1.884	2.032	1.722	1.987	1.860	1.505	1.863	10.47
11)	bis(2-Chloroet...	1.526	1.387	1.436	1.446	1.299	1.147	1.280	1.360	9.35
12)	1,3-Dichlorobe...	1.677	1.706	1.591	1.578	1.525	1.454	1.434	1.566	6.60
13) C	1,4-Dichlorobe...	1.626	1.707	1.704	1.675	1.614	1.430	1.318	1.582	9.49
14)	1,2-Dichlorobe...	1.607	1.579	1.458	1.455	1.448	1.368	1.269	1.455	7.97
15)	Benzyl Alcohol	1.106	1.215	1.163	1.100	1.149	1.156	0.997	1.127	6.09
16)	2,2'-oxybis(1-...	2.172	2.081	1.928	1.891	1.814	1.656	1.639	1.883	10.63
17)	2-Methylphenol	1.136	1.175	1.233	1.178	1.126	1.095	1.076	1.146	4.72
18)	Hexachloroethane	0.513	0.564	0.554	0.568	0.558	0.513	0.478	0.536	6.41
19) P	n-Nitroso-di-n...	1.006	1.002	0.900	1.002	0.975	0.819	0.839	0.935	8.66
20)	3+4-Methylphenols	1.491	1.595	1.448	1.494	1.454	1.208	1.182	1.410	11.00
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.563	0.511	0.517	0.464	0.429	0.444	0.418	0.478	11.20
23) S	Nitrobenzene-d5	0.210	0.278	0.287	0.328	0.341	0.314	0.306	0.295	14.68
24)	Nitrobenzene	0.247	0.297	0.376	0.363	0.322	0.333	0.371	0.330	14.05
25)	Isophorone	0.684	0.688	0.665	0.660	0.654	0.633	0.631	0.659	3.37
26) C	2-Nitrophenol	0.083	0.135	0.148	0.154	0.145	0.150	0.136	0.136	19.75
27)	2,4-Dimethylph...	0.362	0.345	0.344	0.326	0.308	0.302	0.327	0.331	6.42
28)	bis(2-Chloroet...	0.394	0.379	0.390	0.410	0.398	0.351	0.317	0.377	8.57
29) C	2,4-Dichloroph...	0.251	0.267	0.290	0.302	0.283	0.257	0.263	0.273	6.90
30)	1,2,4-Trichlor...	0.307	0.309	0.315	0.326	0.308	0.287	0.270	0.303	6.21
31)	Naphthalene	1.064	1.056	1.064	1.049	0.998	0.881	0.800	0.987	10.69
32)	Benzoic acid	0.104	0.154	0.176	0.195	0.203	0.233	0.177	0.177	25.21
33)	4-Chloroaniline	0.446	0.444	0.388	0.401	0.407	0.408	0.382	0.411	6.17
34) C	Hexachlorobuta...	0.173	0.170	0.174	0.179	0.170	0.161	0.153	0.168	5.17
35)	Caprolactam	0.069	0.085	0.091	0.089	0.097	0.087	0.098	0.088	11.01
36) C	4-Chloro-3-met...	0.282	0.290	0.331	0.304	0.292	0.311	0.284	0.299	5.87
37)	2-Methylnaphth...	0.731	0.719	0.631	0.609	0.576	0.534	0.561	0.623	12.31

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.645	0.607	0.683	0.686	0.658	0.583	0.505	0.624	10.39
40) P	Hexachlorocycl...	0.254	0.272	0.297	0.315	0.309	0.303	0.316	0.295	8.02
41) S	2,4,6-Tribromo...	0.143	0.170	0.212	0.227	0.222	0.192	0.190	0.194	15.51
42) C	2,4,6-Trichlor...	0.376	0.425	0.443	0.473	0.445	0.416	0.416	0.428	7.09
43)	2,4,5-Trichlor...	0.375	0.425	0.441	0.411	0.404	0.408	0.424	0.413	5.03
44) S	2-Fluorobiphenyl	1.631	1.512	1.480	1.339	1.229	1.130	1.184	1.358	13.86
45)	1,1'-Biphenyl	1.908	1.772	1.848	1.921	1.834	1.572	1.356	1.744	11.89
46)	2-Chloronaphth...	1.390	1.312	1.396	1.427	1.382	1.191	1.105	1.315	9.25
47)	2-Nitroaniline		0.232	0.287	0.307	0.338	0.385	0.385	0.323	18.44
48)	Acenaphthylene	2.391	2.329	2.323	2.191	2.035	1.904	1.994	2.167	8.80
49)	Dimethylphthalate	1.715	1.552	1.559	1.675	1.484	1.312	1.475	1.539	8.75
50)	2,6-Dinitrotol...		0.224	0.277	0.335	0.351	0.314	0.292	0.299	15.23
51) C	Acenaphthene	1.456	1.353	1.343	1.244	1.210	1.156	1.218	1.283	8.15
52)	3-Nitroaniline		0.227	0.364	0.334	0.336	0.400	0.349	0.335	17.39
53) P	2,4-Dinitrophenol		0.030	0.065	0.087	0.096	0.093		0.074	37.20
54)	Dibenzofuran	1.899	1.816	1.846	1.719	1.638	1.482	1.557	1.708	9.12
55) P	4-Nitrophenol		0.215	0.305	0.295	0.280	0.334	0.281	0.285	13.97
56)	2,4-Dinitrotol...		0.259	0.319	0.421	0.463	0.397	0.421	0.380	19.99
57)	Fluorene	1.582	1.518	1.497	1.410	1.275	1.109	1.098	1.356	14.58
58)	2,3,4,6-Tetrac...	0.265	0.290	0.331	0.330	0.327	0.296	0.298	0.306	8.17
59)	Diethylphthalate	1.426	1.414	1.553	1.519	1.436	1.372	1.374	1.442	4.80
60)	4-Chlorophenyl...	0.722	0.652	0.653	0.654	0.640	0.615	0.593	0.647	6.23
61)	4-Nitroaniline		0.218	0.306	0.308	0.375	0.302	0.355	0.311	17.50
62)	Azobenzene	1.448	1.445	1.377	1.335	1.277	1.348	1.380	1.373	4.44
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.017	0.030	0.069	0.071	0.085	0.106		0.063	53.55
65) c	n-Nitrosodiphe...	0.795	0.753	0.642	0.656	0.650	0.627	0.525	0.664	13.24
66)	4-Bromophenyl-...	0.238	0.234	0.221	0.217	0.200	0.189	0.198	0.214	8.76
67)	Hexachlorobenzene	0.255	0.249	0.244	0.233	0.221	0.208	0.220	0.233	7.44
68)	Atrazine	0.183	0.211	0.192	0.184	0.193	0.195	0.167	0.189	7.00
69) C	Pentachlorophenol	0.095	0.122	0.132	0.139	0.139	0.140	0.143	0.130	13.09
70)	Phenanthrene	1.267	1.159	1.183	1.164	1.093	0.952	0.824	1.092	13.98
71)	Anthracene	1.356	1.285	1.127	1.082	1.042	1.015	0.983	1.127	12.55
72)	Carbazole	1.278	1.189	1.023	0.956	0.947	0.926	0.924	1.035	13.76
73)	Di-n-butylphth...	1.294	1.279	1.202	1.157	1.088	0.977	0.895	1.127	13.32
74) C	Fluoranthene	1.316	1.319	1.132	1.070	1.106	1.052	1.002	1.143	11.08
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.655	0.815	0.843	0.858	0.811	0.748	0.668	0.771	10.73
77)	Pyrene	1.637	1.576	1.544	1.562	1.601	1.529	1.589	1.577	2.31
78) S	Terphenyl-d14	0.931	0.930	0.946	0.915	0.864	0.802	0.846	0.891	6.07
79)	Butylbenzylphth...	0.310	0.427	0.531	0.577	0.575	0.568	0.552	0.506	19.98
80)	Benzo(a)anthra...	1.286	1.241	1.212	1.213	1.189	1.073	0.988	1.172	8.88
81)	3,3'-Dichlorob...	0.322	0.377	0.387	0.386	0.380	0.369	0.384	0.372	6.16
82)	Chrysene	1.218	1.192	1.198	1.208	1.131	0.996	0.944	1.127	9.91

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83)	Bis(2-ethylhex...	0.456	0.526	0.585	0.625	0.593	0.541	0.501	0.547	10.72
84) c	Di-n-octyl pht...		0.576	0.780	0.930	0.882	0.900	0.890	0.826	16.05
85)	Indeno(1,2,3-c...	0.751	0.792	1.012	1.182	1.213	1.239	1.315	1.072	20.99
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.323	1.328	1.237	1.198	1.130	1.281	1.204	1.243	5.82
88)	Benzo(k)fluora...	1.228	1.275	1.245	1.280	1.221	0.863		1.185	13.48
89) C	Benzo(a)pyrene	1.069	1.152	1.169	1.195	1.173	1.090	1.065	1.130	4.79
90)	Dibenzo(a,h)an...	0.831	0.986	1.195	1.279	1.229	1.184	1.135	1.120	14.04
91)	Benzo(g,h,i)pe...	0.923	1.047	1.258	1.325	1.271	1.231	1.211	1.181	12.12

(#) = Out of Range