

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF041717.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Apr 17 14:59:23 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF094441.D 10 =BF094442.D 25 =BF094443.D 40 =BF094444.D 50 =BF094445.D 60 =BF094446.D 80 =BF094447.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.707	0.736	0.707	0.696	0.702	0.687	0.672	0.701	2.84
3)	Pyridine	1.374	1.523	1.534	1.619	1.542	1.581	1.552	1.532	5.02
4)	n-Nitrosodimet...	0.584	0.657	0.627	0.638	0.643	0.644	0.646	0.634	3.77
5) S	2-Fluorophenol	1.307	1.313	1.257	1.187	1.162	1.138	1.076	1.205	7.41
6)	Aniline	2.064	2.073	1.915	1.833	1.822	1.780	1.734	1.889	7.12
7) S	Phenol-d6	1.545	1.574	1.469	1.378	1.367	1.333	1.284	1.421	7.72
8)	2-Chlorophenol	1.485	1.484	1.407	1.359	1.333	1.305	1.229	1.372	6.85
9)	Benzaldehyde	1.189	1.173	1.111	1.060	1.051	1.018	0.965	1.081	7.53
10) C	Phenol	1.902	1.852	1.813	1.687	1.704	1.651	1.611	1.746	6.29
11)	bis(2-Chloroet...	1.329	1.334	1.295	1.262	1.263	1.236	1.209	1.275	3.64
12)	1,3-Dichlorobe...	1.621	1.624	1.557	1.487	1.499	1.462	1.388	1.520	5.68
13) C	1,4-Dichlorobe...	1.639	1.627	1.571	1.512	1.502	1.455	1.398	1.529	5.79
14)	1,2-Dichlorobe...	1.627	1.549	1.473	1.373	1.350	1.288	1.198	1.408	10.66
15)	Benzyl Alcohol	1.143	1.148	1.116	1.050	1.017	0.975	0.930	1.054	8.09
16)	2,2'-oxybis(1-...	1.834	1.802	1.731	1.637	1.621	1.573	1.507	1.672	7.23
17)	2-Methylphenol	1.127	1.168	1.116	1.058	1.063	1.036	0.995	1.080	5.50
18)	Hexachloroethane	0.541	0.547	0.532	0.521	0.522	0.514	0.493	0.524	3.47
19) P	n-Nitroso-di-n...	0.963	1.005	0.981	0.931	0.935	0.907	0.870	0.942	4.86
20)	3+4-Methylphenols	1.557	1.563	1.531	1.460	1.450	1.401	1.315	1.468	6.18
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.506	0.519	0.499	0.479	0.471	0.477	0.454	0.486	4.62
23) S	Nitrobenzene-d5	0.324	0.347	0.331	0.323	0.317	0.321	0.305	0.324	3.96
24)	Nitrobenzene	0.348	0.361	0.353	0.343	0.333	0.334	0.315	0.341	4.40
25)	Isophorone	0.595	0.638	0.605	0.596	0.586	0.600	0.583	0.600	3.00
26) C	2-Nitrophenol	0.168	0.187	0.189	0.186	0.186	0.187	0.180	0.183	3.92
27)	2,4-Dimethylph...	0.306	0.319	0.307	0.296	0.287	0.292	0.277	0.298	4.70
28)	bis(2-Chloroet...	0.400	0.418	0.396	0.383	0.375	0.382	0.364	0.388	4.60
29) C	2,4-Dichloroph...	0.275	0.301	0.289	0.280	0.270	0.270	0.253	0.277	5.50
30)	1,2,4-Trichlor...	0.305	0.312	0.294	0.281	0.275	0.277	0.261	0.286	6.27
31)	Naphthalene	1.074	1.055	0.989	0.940	0.911	0.911	0.850	0.961	8.50
32)	Benzoic acid		0.142	0.143	0.157	0.163	0.172	0.167	0.157	7.73
33)	4-Chloroaniline	0.411	0.435	0.419	0.403	0.385	0.387	0.361	0.400	6.12
34) C	Hexachlorobuta...	0.157	0.151	0.147	0.142	0.137	0.137	0.128	0.143	6.76
35)	Caprolactam	0.077	0.088	0.091	0.086	0.088	0.089	0.089	0.087	5.41
36) C	4-Chloro-3-met...	0.287	0.314	0.300	0.289	0.282	0.286	0.273	0.290	4.64
37)	2-Methylnaphth...	0.718	0.725	0.681	0.651	0.623	0.625	0.581	0.658	8.05

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.624	0.624	0.595	0.557	0.545	0.535	0.506	0.570	8.07
40) P	Hexachlorocycl...		0.181	0.226	0.238	0.244	0.251	0.243	0.230	11.18
41) S	2,4,6-Tribromo...	0.158	0.171	0.161	0.156	0.152	0.151	0.146	0.156	5.29
42) C	2,4,6-Trichlor...	0.398	0.424	0.416	0.397	0.391	0.395	0.380	0.400	3.77
43)	2,4,5-Trichlor...	0.410	0.439	0.429	0.411	0.406	0.398	0.382	0.411	4.61
44) S	2-Fluorobiphenyl	1.652	1.564	1.416	1.303	1.248	1.217	1.116	1.359	14.29
45)	1,1'-Biphenyl	1.845	1.833	1.714	1.612	1.544	1.495	1.395	1.634	10.46
46)	2-Chloronaphth...	1.455	1.455	1.346	1.267	1.232	1.204	1.137	1.299	9.50
47)	2-Nitroaniline	0.347	0.388	0.394	0.377	0.370	0.372	0.367	0.374	4.09
48)	Acenaphthylene	2.252	2.259	2.121	1.988	1.904	1.867	1.786	2.025	9.32
49)	Dimethylphthalate	1.605	1.587	1.520	1.462	1.425	1.436	1.398	1.490	5.48
50)	2,6-Dinitrotol...	0.321	0.359	0.342	0.337	0.331	0.331	0.321	0.335	3.91
51) C	Acenaphthene	1.359	1.341	1.265	1.179	1.143	1.127	1.077	1.213	9.04
52)	3-Nitroaniline	0.378	0.406	0.407	0.385	0.387	0.379	0.367	0.387	3.77
53) P	2,4-Dinitrophenol		0.111	0.147	0.161	0.170	0.177	0.184	0.158	16.85
54)	Dibenzofuran	2.031	1.989	1.847	1.699	1.644	1.603	1.530	1.763	11.06
55) P	4-Nitrophenol		0.217	0.265	0.258	0.295	0.287	0.318	0.273	12.76
56)	2,4-Dinitrotol...	0.412	0.453	0.430	0.405	0.395	0.394	0.383	0.410	5.85
57)	Fluorene	1.626	1.587	1.454	1.333	1.267	1.220	1.125	1.373	13.75
58)	2,3,4,6-Tetrac...	0.289	0.306	0.298	0.296	0.294	0.291	0.286	0.294	2.28
59)	Diethylphthalate	1.504	1.534	1.443	1.376	1.351	1.342	1.296	1.406	6.33
60)	4-Chlorophenyl...		0.697	0.625	0.563	0.549	0.520	0.473	0.571	13.89
61)	4-Nitroaniline	0.378	0.409	0.412	0.397	0.391	0.391	0.376	0.393	3.51
62)	Azobenzene	1.459	1.479	1.412	1.350	1.310	1.315	1.234	1.365	6.48
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.113	0.133	0.135	0.135	0.136	0.134	0.131	6.62
65) c	n-Nitrosodiphe...	0.753	0.784	0.722	0.680	0.652	0.657	0.622	0.696	8.49
66)	4-Bromophenyl-...	0.213	0.214	0.207	0.196	0.187	0.191	0.182	0.199	6.48
67)	Hexachlorobenzene	0.212	0.216	0.207	0.196	0.192	0.192	0.186	0.200	5.76
68)	Atrazine	0.214	0.227	0.219	0.205	0.199	0.200	0.192	0.208	6.02
69) C	Pentachlorophenol		0.059	0.075	0.082	0.085	0.087	0.088	0.079	13.75
70)	Phenanthrene	1.283	1.265	1.169	1.086	1.053	1.036	0.991	1.126	10.19
71)	Anthracene	1.276	1.314	1.217	1.147	1.095	1.082	1.023	1.165	9.24
72)	Carbazole	1.203	1.215	1.153	1.072	1.022	1.016	0.974	1.093	8.86
73)	Di-n-butylphth...	1.259	1.312	1.267	1.198	1.157	1.150	1.085	1.204	6.61
74) C	Fluoranthene	1.291	1.298	1.223	1.147	1.098	1.082	1.031	1.167	9.02
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.748	0.857	0.861	0.841	0.802	0.806	0.753	0.810	5.72
77)	Pyrene	1.448	1.472	1.427	1.398	1.342	1.373	1.322	1.397	3.95
78) S	Terphenyl-d14	0.851	0.822	0.769	0.731	0.699	0.702	0.663	0.748	9.21
79)	Butylbenzylphth...	0.577	0.617	0.628	0.619	0.610	0.626	0.609	0.612	2.77
80)	Benzo(a)anthra...	1.227	1.209	1.212	1.169	1.125	1.132	1.062	1.162	5.12
81)	3,3'-Dichlorob...	0.415	0.445	0.444	0.424	0.404	0.390	0.359	0.412	7.43
82)	Chrysene	1.158	1.140	1.103	1.044	1.018	1.014	0.959	1.062	6.89

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83)	Bis(2-ethylhex...	0.812	0.855	0.851	0.832	0.818	0.821	0.767	0.822	3.57
84) c	Di-n-octyl pht...	1.330	1.402	1.436	1.412	1.364	1.382	1.328	1.379	2.97
85)	Indeno(1,2,3-c...	1.133	1.149	1.062	0.975	0.927	0.920	0.910	1.011	10.16
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.287	1.283	1.234	1.237	1.189	1.161	1.173	1.223	4.15
88)	Benzo(k)fluora...	1.240	1.265	1.196	1.123	1.120	1.117	1.044	1.158	6.77
89) C	Benzo(a)pyrene	1.220	1.198	1.175	1.130	1.108	1.079	1.057	1.138	5.40
90)	Dibenzo(a,h)an...	1.025	1.066	0.981	0.902	0.885	0.883	0.875	0.945	8.25
91)	Benzo(g,h,i)pe...	1.049	1.088	0.990	0.897	0.888	0.903	0.921	0.962	8.40

(#) = Out of Range