

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF070117.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jul 03 01:43:12 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF096370.D 10 =BF096371.D 25 =BF096372.D 40 =BF096373.D 50 =BF096374.D 60 =BF096375.D 80 =BF096376.D

Compound		2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.639	0.654	0.645	0.669	0.618	0.600	0.674	0.643	4.16
3)	Pyridine	1.773	1.739	1.759	1.754	1.742	1.681	1.893	1.763	3.64
4)	n-Nitrosodimet...	0.871	0.862	0.869	0.886	0.845	0.811	0.946	0.870	4.75
5) S	2-Fluorophenol	1.560	1.484	1.362	1.342	1.275	1.191	1.271	1.355	9.49
6)	Aniline	2.481	2.404	2.244	2.146	2.049	1.915	1.832	2.153	11.21
7) S	Phenol-d6	1.960	1.835	1.717	1.660	1.587	1.484	1.418	1.666	11.46
8)	2-Chlorophenol	1.668	1.584	1.498	1.433	1.386	1.306	1.240	1.445	10.45
9)	Benzaldehyde	1.226	1.141	1.074	1.047	1.005	0.947	0.858	1.043	11.67
10) C	Phenol	2.260	2.092	1.956	1.893	1.776	1.682	1.626	1.898	11.93
11)	bis(2-Chloroet...	1.642	1.571	1.513	1.480	1.427	1.350	1.285	1.467	8.45
12)	1,3-Dichlorobe...	1.740	1.639	1.539	1.490	1.439	1.395	1.364	1.515	8.94
13) C	1,4-Dichlorobe...	1.715	1.626	1.529	1.533	1.446	1.381	1.371	1.514	8.34
14)	1,2-Dichlorobe...	1.682	1.557	1.440	1.361	1.295	1.226	1.173	1.390	13.13
15)	Benzyl Alcohol	1.270	1.233	1.157	1.120	1.074	1.005	0.935	1.114	10.73
16)	2,2'-oxybis(1-...	3.306	3.163	3.066	3.023	2.948	2.757	2.608	2.982	7.96
17)	2-Methylphenol	1.241	1.216	1.171	1.159	1.130	1.083	1.060	1.152	5.74
18)	Hexachloroethane	0.601	0.572	0.560	0.557	0.536	0.514	0.504	0.549	6.12
19) P	n-Nitroso-di-n...	1.143	1.079	0.990	0.988	0.953	0.908	0.885	0.992	9.23
20)	3+4-Methylphenols	1.579	1.383	1.299	1.214	1.126	1.105	1.284		13.88
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.542	0.486	0.440	0.422	0.407	0.386	0.375	0.437	13.56
23) S	Nitrobenzene-d5	0.366	0.353	0.338	0.336	0.328	0.312	0.296	0.333	7.06
24)	Nitrobenzene	0.379	0.371	0.359	0.351	0.346	0.330	0.308	0.349	6.93
25)	Isophorone	0.707	0.676	0.641	0.650	0.640	0.618	0.586	0.645	6.02
26) C	2-Nitrophenol	0.181	0.187	0.186	0.191	0.190	0.183	0.176	0.185	2.79
27)	2,4-Dimethylph...	0.346	0.336	0.318	0.314	0.308	0.296	0.284	0.315	6.85
28)	bis(2-Chloroet...	0.479	0.461	0.431	0.430	0.414	0.396	0.371	0.426	8.61
29) C	2,4-Dichloroph...	0.298	0.290	0.275	0.271	0.264	0.254	0.248	0.271	6.74
30)	1,2,4-Trichlor...	0.288	0.271	0.259	0.256	0.248	0.238	0.233	0.256	7.45
31)	Naphthalene	1.115	1.038	0.961	0.934	0.887	0.852	0.823	0.944	11.02
32)	Benzoic acid	0.235	0.258	0.274	0.284	0.273	0.261	0.264		6.43
33)	4-Chloroaniline	0.451	0.430	0.400	0.392	0.379	0.358	0.334	0.392	10.24
34) C	Hexachlorobuta...	0.149	0.142	0.133	0.130	0.126	0.122	0.118	0.131	8.29
35)	Caprolactam	0.101	0.091	0.092	0.091	0.089	0.089	0.103	0.094	6.20
36) C	4-Chloro-3-met...	0.334	0.315	0.299	0.294	0.288	0.280	0.293	0.300	6.05
37)	2-Methylnaphth...	0.708	0.664	0.599	0.588	0.559	0.539	0.550	0.601	10.46

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Acenaphthene-d10 -----ISTD-----										
38) I	Acenaphthene-d10									
39)	1,2,4,5-Tetrac...	0.631	0.574	0.534	0.516	0.496	0.461	0.424	0.519	13.31
40) P	Hexachlorocycl...	0.216	0.261	0.259	0.269	0.271	0.252	0.240	0.253	7.57
41) S	2,4,6-Tribromo...	0.184	0.176	0.163	0.155	0.147	0.138	0.131	0.156	12.42
42) C	2,4,6-Trichlor...	0.450	0.435	0.415	0.413	0.401	0.386	0.376	0.411	6.37
43)	2,4,5-Trichlor...	0.434	0.447	0.414	0.408	0.399	0.383	0.359	0.406	7.28
44) S	2-Fluorobiphenyl		1.468	1.280	1.185	1.113	1.025	0.949	1.170	15.96
45)	1,1'-Biphenyl	2.098	1.969	1.768	1.694	1.588	1.502	1.377	1.714	14.87
46)	2-Chloronaphth...	1.511	1.405	1.310	1.265	1.217	1.161	1.070	1.277	11.63
47)	2-Nitroaniline	0.472	0.484	0.469	0.473	0.468	0.449	0.438	0.465	3.40
48)	Acenaphthylene	2.369	2.266	2.092	2.001	1.925	1.817	1.695	2.024	11.83
49)	Dimethylphthalate	1.753	1.600	1.501	1.465	1.422	1.378	1.332	1.493	9.63
50)	2,6-Dinitrotol...	0.341	0.347	0.331	0.337	0.332	0.319	0.304	0.330	4.37
51) C	Acenaphthene	1.479	1.385	1.280	1.237	1.175	1.117	1.058	1.247	11.88
52)	3-Nitroaniline	0.442	0.431	0.425	0.410	0.409	0.387	0.378	0.412	5.63
53) P	2,4-Dinitrophenol		0.148	0.170	0.184	0.183	0.182	0.186	0.175	8.41
54)	Dibenzofuran	2.011	1.862	1.698	1.643	1.534	1.440	1.339	1.647	14.28
55) P	4-Nitrophenol	0.350	0.354	0.345	0.352	0.333	0.329	0.326	0.341	3.46
56)	2,4-Dinitrotol...	0.426	0.442	0.440	0.434	0.408	0.397	0.379	0.418	5.76
57)	Fluorene		1.490	1.268	1.173	1.091	1.020	0.936	1.163	16.99
58)	2,3,4,6-Tetrac...	0.303	0.310	0.294	0.283	0.270	0.259	0.249	0.281	8.04
59)	Diethylphthalate	1.661	1.569	1.453	1.394	1.337	1.247	1.219	1.411	11.52
60)	4-Chlorophenyl...		0.609	0.535	0.499	0.458	0.429		0.506	13.84
61)	4-Nitroaniline	0.415	0.389	0.370	0.377	0.363	0.354	0.353	0.374	5.79
62)	Azobenzene	1.571	1.541	1.399	1.377	1.272	1.194	1.197	1.365	11.24
Phenanthrene-d10 -----ISTD-----										
63) I	Phenanthrene-d10									
64)	4,6-Dinitro-2-...		0.125	0.137	0.146	0.141	0.138	0.139	0.138	5.05
65) c	n-Nitrosodiphe...	0.822	0.782	0.725	0.692	0.657	0.623	0.611	0.702	11.36
66)	4-Bromophenyl-...	0.215	0.209	0.201	0.194	0.190	0.181	0.172	0.195	7.83
67)	Hexachlorobenzene	0.241	0.228	0.220	0.212	0.209	0.195	0.186	0.213	8.71
68)	Atrazine	0.229	0.223	0.206	0.198	0.192	0.182	0.173	0.200	10.25
69) C	Pentachlorophenol	0.107	0.127	0.135	0.134	0.133	0.126	0.123	0.126	7.69
70)	Phenanthrene	1.335	1.214	1.109	1.048	1.017	0.952	0.894	1.081	14.11
71)	Anthracene	1.312	1.247	1.136	1.082	1.041	0.980	0.915	1.102	12.85
72)	Carbazole	1.330	1.231	1.135	1.088	1.056	0.991	0.925	1.108	12.52
73)	Di-n-butylphth...	1.611	1.490	1.382	1.326	1.282	1.187	1.117	1.342	12.69
74) C	Fluoranthene	1.293	1.206	1.079	1.047	1.000	0.925	0.871	1.060	14.07
Chrysene-d12 -----ISTD-----										
75) I	Chrysene-d12									
76)	Benzidine	1.019	1.021	0.983	0.966	0.950	0.915	0.863	0.960	5.90
77)	Pyrene	1.611	1.592	1.598	1.592	1.648	1.601	1.596	1.605	1.25
78) S	Terphenyl-d14	1.085	1.009	0.930	0.891	0.907	0.873	0.857	0.936	8.80
79)	Butylbenzylphth...	0.804	0.778	0.798	0.816	0.844	0.823	0.825	0.813	2.64
80)	Benzo(a)anthra...	1.313	1.242	1.187	1.126	1.120	1.080	1.040	1.158	8.21
81)	3,3'-Dichlorob...	0.497	0.494	0.495	0.481	0.477	0.454	0.431	0.476	5.18
82)	Chrysene	1.324	1.248	1.208	1.197	1.213	1.175	1.125	1.213	5.11

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83)	Bis(2-ethylhex...	1.037	0.974	0.919	0.885	0.894	0.837	0.803	0.907	8.76
84) c	Di-n-octyl pht...	1.911	1.867	1.799	1.772	1.774	1.694	1.688	1.786	4.61
85)	Indeno(1,2,3-c...	1.054	0.956	0.881	0.906	0.946	0.929	1.030	0.957	6.61
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.329	1.316	1.211	1.285	1.239	1.158	1.234	1.253	4.85
88)	Benzo(k)fluora...	1.327	1.171	1.203	1.083	1.091	1.037	0.933	1.121	11.33
89) C	Benzo(a)pyrene	1.263	1.160	1.128	1.115	1.084	1.045	1.038	1.119	6.90
90)	Dibenzo(a,h)an...	0.987	0.896	0.852	0.858	0.884	0.819	0.865	0.880	6.04
91)	Benzo(g,h,i)pe...	1.000	0.880	0.852	0.891	0.911	0.905	0.945	0.912	5.27

(#) = Out of Range