

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF052615.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue May 26 19:25:27 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF079478.D 10 =BF079479.D 25 =BF079480.D 40 =BF079481.D 50 =BF079482.D 60 =BF079483.D 80 =BF079484.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.577	0.617	0.547	0.525	0.492	0.534	0.549	7.93	
3)	Pyridine	0.991	1.199	1.248	1.204	1.392	1.214	1.208	10.66	
4)	n-Nitrosodimet...	0.666	0.535	0.566	0.600	0.560	0.641	0.595	8.55	
5) S	2-Fluorophenol	1.190	1.248	1.119	1.174	1.105	1.081	1.155	1.153	4.96
6)	Aniline	2.149	2.298	2.086	2.114	1.954	1.932	2.069	2.086	5.90
7) S	Phenol-d6	1.628	1.551	1.471	1.515	1.418	1.309	1.396	1.470	7.24
8)	2-Chlorophenol	1.361	1.384	1.340	1.418	1.301	1.251	1.341	1.342	4.06
9)	Benzaldehyde	1.061	1.088	0.918	0.836	0.768	0.722	0.684	0.868	18.47
10) C	Phenol	1.750	1.898	1.751	1.811	1.663	1.563	1.679	1.731	6.25
11)	bis(2-Chloroet...	1.314	1.327	1.230	1.258	1.218	1.167	1.248	1.252	4.41
12)	1,3-Dichlorobe...	1.526	1.637	1.472	1.521	1.396	1.376	1.482	1.487	5.89
13) C	1,4-Dichlorobe...	1.575	1.657	1.494	1.547	1.445	1.407	1.494	1.517	5.54
14)	1,2-Dichlorobe...	1.552	1.572	1.407	1.433	1.327	1.243	1.330	1.409	8.59
15)	Benzyl Alcohol	1.132	1.165	1.075	1.077	1.029	1.007	1.075	1.080	5.04
16)	2,2'-oxybis(1-...	2.021	1.959	1.771	1.837	1.724	1.689	1.825	1.832	6.59
17)	2-Methylphenol	1.083	1.109	1.047	1.089	1.007	0.995	1.053	1.055	4.03
18)	Hexachloroethane	0.528	0.562	0.507	0.545	0.500	0.494	0.520	0.522	4.74
19) P	n-Nitroso-di-n...	1.100	1.181	1.000	1.014	1.013	0.924	1.006	1.034	7.98
20)	3+4-Methylphenols	1.424	1.512	1.480	1.488	1.406	1.367	1.468	1.449	3.56
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.457	0.493	0.435	0.448	0.420	0.425	0.457	0.448	5.50
23) S	Nitrobenzene-d5	0.351	0.381	0.331	0.352	0.343	0.323	0.342	0.346	5.36
24)	Nitrobenzene	0.351	0.365	0.330	0.336	0.325	0.330	0.350	0.341	4.28
25)	Isophorone	0.662	0.676	0.617	0.647	0.615	0.578	0.620	0.631	5.24
26) C	2-Nitrophenol	0.142	0.155	0.157	0.169	0.165	0.166	0.177	0.161	6.95
27)	2,4-Dimethylph...	0.302	0.307	0.284	0.297	0.282	0.272	0.288	0.290	4.22
28)	bis(2-Chloroet...	0.414	0.406	0.373	0.396	0.383	0.370	0.393	0.391	4.22
29) C	2,4-Dichloroph...	0.254	0.288	0.262	0.269	0.257	0.256	0.274	0.266	4.60
30)	1,2,4-Trichlor...	0.282	0.290	0.267	0.282	0.265	0.261	0.283	0.276	4.02
31)	Naphthalene	1.002	1.056	0.934	0.967	0.910	0.891	0.959	0.960	5.87
32)	Benzoic acid	0.184	0.176	0.188	0.167	0.180	0.186	0.180		4.25
33)	4-Chloroaniline	0.410	0.439	0.400	0.412	0.388	0.367	0.391	0.401	5.58
34) C	Hexachlorobuta...	0.170	0.170	0.151	0.163	0.149	0.143	0.152	0.157	6.82
35)	Caprolactam	0.086	0.082	0.088	0.085	0.076	0.086	0.084		5.23
36) C	4-Chloro-3-met...	0.272	0.283	0.271	0.280	0.264	0.271	0.289	0.276	3.07
37)	2-Methylnaphth...	0.692	0.723	0.649	0.672	0.643	0.621	0.664	0.666	5.06

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.599	0.601	0.544	0.574	0.522	0.518	0.558	0.559	6.04
40) P	Hexachlorocycl...		0.061	0.090	0.115	0.137	0.151	0.174	0.121	34.24
41) S	2,4,6-Tribromo...	0.217	0.232	0.220	0.231	0.214	0.203	0.220	0.220	4.54
42) C	2,4,6-Trichlor...	0.395	0.431	0.381	0.410	0.366	0.362	0.390	0.391	6.18
43)	2,4,5-Trichlor...	0.421	0.410	0.371	0.388	0.375	0.363	0.393	0.389	5.40
44) S	2-Fluorobiphenyl	1.662	1.595	1.415	1.458	1.219	1.188	1.275	1.402	13.13
45)	1,1'-Biphenyl	1.645	1.708	1.512	1.614	1.499	1.414	1.543	1.562	6.37
46)	2-Chloronaphth...	1.350	1.347	1.219	1.301	1.130	1.101	1.187	1.234	8.22
47)	2-Nitroaniline	0.359	0.352	0.348	0.379	0.368	0.366	0.396	0.367	4.48
48)	Acenaphthylene	2.156	2.256	2.030	2.111	1.932	1.849	2.000	2.048	6.75
49)	Dimethylphthalate	1.601	1.640	1.429	1.473	1.356	1.365	1.451	1.474	7.44
50)	2,6-Dinitrotol...	0.262	0.302	0.290	0.303	0.308	0.288	0.309	0.294	5.68
51) C	Acenaphthene	1.279	1.283	1.177	1.191	1.077	1.041	1.149	1.171	7.86
52)	3-Nitroaniline	0.350	0.393	0.371	0.389	0.383	0.381	0.414	0.383	5.18
53) P	2,4-Dinitrophenol		0.039	0.068	0.081	0.099	0.109	0.125	0.086	35.77
54)	Dibenzofuran	1.918	1.935	1.702	1.764	1.584	1.537	1.649	1.727	8.97
55) P	4-Nitrophenol		0.213	0.176	0.191	0.201	0.231	0.262	0.212	14.46
56)	2,4-Dinitrotol...	0.320	0.401	0.407	0.420	0.393	0.389	0.433	0.395	9.18
57)	Fluorene	1.568	1.574	1.419	1.493	1.318	1.250	1.344	1.424	8.89
58)	2,3,4,6-Tetrac...	0.274	0.291	0.279	0.296	0.273	0.276	0.292	0.283	3.37
59)	Diethylphthalate	1.618	1.568	1.410	1.463	1.377	1.269	1.392	1.443	8.24
60)	4-Chlorophenyl...	0.666	0.668	0.618	0.647	0.573	0.544	0.591	0.615	7.81
61)	4-Nitroaniline	0.310	0.373	0.365	0.361	0.372	0.333	0.383	0.357	7.22
62)	Azobenzene	1.496	1.471	1.331	1.388	1.282	1.352	1.502	1.403	6.23
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.065	0.082	0.095	0.097	0.101	0.113	0.092	17.74
65) c	n-Nitrosodiphe...	0.705	0.718	0.653	0.686	0.647	0.596	0.645	0.664	6.27
66)	4-Bromophenyl-...	0.209	0.223	0.203	0.217	0.194	0.189	0.206	0.206	5.78
67)	Hexachlorobenzene	0.259	0.249	0.233	0.242	0.222	0.212	0.227	0.235	6.97
68)	Atrazine	0.199	0.204	0.195	0.191	0.175	0.157	0.135	0.179	14.29
69) C	Pentachlorophenol		0.069	0.081	0.091	0.095	0.099	0.105	0.090	14.56
70)	Phenanthrene	1.285	1.217	1.097	1.118	1.010	0.946	1.007	1.097	11.06
71)	Anthracene	1.194	1.204	1.105	1.152	1.059	1.011	1.072	1.114	6.51
72)	Carbazole	1.194	1.164	1.043	1.100	0.999	0.976	1.031	1.072	7.73
73)	Di-n-butylphth...	1.754	1.424	1.241	1.304	1.171	1.120	1.197	1.316	16.49
74) C	Fluoranthene	1.331	1.268	1.165	1.215	1.102	1.040	1.115	1.177	8.62
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.381	0.468	0.451	0.426	0.433	0.440	0.401	0.428	6.91
77)	Pyrene	1.388	1.357	1.201	1.240	1.156	1.128	1.204	1.239	7.92
78) S	Terphenyl-d14	0.996	0.981	0.866	0.873	0.763	0.720	0.767	0.852	12.71
79)	Butylbenzylphth...	0.558	0.589	0.536	0.560	0.535	0.541	0.582	0.557	3.91
80)	Benzo(a)anthra...	1.339	1.220	1.154	1.134	1.056	1.050	1.099	1.151	8.86
81)	3,3'-Dichlorob...	0.443	0.443	0.412	0.427	0.404	0.399	0.420	0.421	4.22
82)	Chrysene	1.289	1.153	1.025	1.102	1.037	1.007	1.042	1.094	9.13

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83)	Bis(2-ethylhex...	0.822	0.840	0.788	0.804	0.762	0.770	0.803	0.798	3.47
84) c	Di-n-octyl pht...	1.449	1.474	1.362	1.379	1.317	1.365	1.380	1.389	3.88
85)	Indeno(1,2,3-c...		1.554	1.378	1.393	1.338	1.329	1.448	1.407	5.96
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.321	1.193	1.219	1.107	0.985	1.074	1.085	1.141	9.77
88)	Benzo(k)fluora...		1.194	0.896	1.152	1.033	0.835	1.011	1.020	13.71
89) C	Benzo(a)pyrene	1.448	1.197	1.046	1.080	0.981	0.914	1.010	1.096	16.26
90)	Dibenzo(a,h)an...	1.909	1.226	1.056	1.103	1.006	0.960	1.077	1.191	27.49
91)	Benzo(g,h,i)pe...	1.785	1.241	1.104	1.132	1.022	0.992	1.120	1.200	22.55

(#) = Out of Range