

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF071015.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Jul 11 05:35:30 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF080408.D 10 =BF080409.D 25 =BF080410.D 40 =BF080411.D 50 =BF080412.D 60 =BF080413.D 80 =BF080414.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.560	0.534	0.585	0.494	0.621	0.578	0.562	7.85	
3)	Pyridine	0.993	1.293	1.247	1.305	1.399	1.248	1.248	10.93	
4)	n-Nitrosodimet...	0.578	0.715	0.706	0.749	0.722	0.634	0.684	9.43	
5) S	2-Fluorophenol	0.928	1.065	1.235	1.220	1.221	1.261	1.240	1.167	10.63
6)	Aniline	1.754	1.851	1.924	1.985	2.128	1.991	1.939	6.62	
7) S	Phenol-d6	1.273	1.531	1.717	1.570	1.582	1.642	1.570	1.555	8.92
8)	2-Chlorophenol	1.099	1.389	1.432	1.485	1.441	1.534	1.462	1.406	10.16
9)	Benzaldehyde	0.851	0.885	0.917	0.881	0.833	0.856	0.797	0.860	4.53
10) C	Phenol	1.450	1.753	1.882	1.716	1.750	1.789	1.688	1.718	7.77
11)	bis(2-Chloroet...	1.394	1.356	1.449	1.426	1.451	1.476	1.349	1.415	3.48
12)	1,3-Dichlorobe...	1.462	1.637	1.619	1.569	1.589	1.652	1.602	1.590	3.97
13) C	1,4-Dichlorobe...	1.625	1.826	1.835	1.800	1.819	1.873	1.772	1.793	4.48
14)	1,2-Dichlorobe...	1.721	1.680	1.674	1.682	1.647	1.783	1.703	1.699	2.58
15)	Benzyl Alcohol	1.031	1.259	1.303	1.336	1.442	1.307	1.280	10.66	
16)	2,2'-oxybis(1-...	1.925	2.062	2.057	2.077	2.026	2.146	1.988	2.040	3.45
17)	2-Methylphenol	0.916	1.197	1.284	1.312	1.228	1.340	1.277	1.222	11.72
18)	Hexachloroethane	0.493	0.555	0.517	0.575	0.557	0.597	0.579	0.553	6.60
19) P	n-Nitroso-di-n...	0.954	1.030	1.051	1.016	1.199	1.134	1.064	8.29	
20)	3+4-Methylphenols	1.104	1.483	1.623	1.622	1.635	1.703	1.581	1.536	13.15
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.381	0.469	0.495	0.514	0.496	0.497	0.503	0.479	9.50
23) S	Nitrobenzene-d5	0.299	0.343	0.364	0.355	0.347	0.356	0.390	0.351	7.82
24)	Nitrobenzene	0.298	0.357	0.394	0.426	0.416	0.420	0.404	0.388	11.80
25)	Isophorone	0.534	0.559	0.645	0.643	0.651	0.669	0.698	0.628	9.43
26) C	2-Nitrophenol	0.152	0.173	0.198	0.190	0.199	0.206	0.186	10.79	
27)	2,4-Dimethylph...	0.224	0.275	0.311	0.299	0.314	0.311	0.318	0.293	11.54
28)	bis(2-Chloroet...	0.377	0.359	0.367	0.400	0.367	0.392	0.401	0.380	4.49
29) C	2,4-Dichloroph...	0.209	0.263	0.274	0.289	0.283	0.287	0.290	0.271	10.74
30)	1,2,4-Trichlor...	0.346	0.348	0.354	0.371	0.354	0.359	0.373	0.358	2.96
31)	Naphthalene	1.117	1.134	1.111	1.083	1.095	1.042	1.074	1.094	2.79
32)	Benzoic acid	0.155	0.204	0.207	0.206	0.228	0.236	0.206	13.80	
33)	4-Chloroaniline	0.276	0.328	0.395	0.401	0.395	0.397	0.404	0.371	13.32
34) C	Hexachlorobuta...	0.204	0.207	0.203	0.212	0.207	0.210	0.212	0.208	1.75
35)	Caprolactam	0.057	0.083	0.077	0.078	0.079	0.090	0.077	14.40	
36) C	4-Chloro-3-met...	0.228	0.272	0.299	0.306	0.298	0.296	0.308	0.287	9.91
37)	2-Methylnaphth...	0.700	0.721	0.718	0.744	0.702	0.722	0.745	0.722	2.47

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38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	0.641	0.648	0.656	0.693	0.686	0.662	0.698	0.669	3.42
40)	P	Hexachlorocycl...		0.263	0.314	0.358	0.367	0.393	0.399	0.349	14.85
41)	S	2,4,6-Tribromo...	0.147	0.169	0.193	0.217	0.205	0.217	0.217	0.195	14.14
42)	C	2,4,6-Trichlor...	0.289	0.375	0.389	0.419	0.400	0.426	0.400	0.385	11.92
43)		2,4,5-Trichlor...	0.304	0.396	0.428	0.440	0.447	0.454	0.426	0.414	12.51
44)	S	2-Fluorobiphenyl	1.542	1.587	1.547	1.487	1.457	1.427	1.348	1.485	5.53
45)		1,1'-Biphenyl	1.641	1.786	1.741	1.781	1.749	1.800	1.705	1.743	3.18
46)		2-Chloronaphth...	1.199	1.250	1.236	1.347	1.270	1.362	1.343	1.287	4.95
47)		2-Nitroaniline		0.274	0.358	0.405	0.404	0.411	0.431	0.380	15.06
48)		Acenaphthylene	1.953	2.271	2.314	2.247	2.239	2.251	2.132	2.201	5.56
49)		Dimethylphthalate	1.345	1.540	1.570	1.549	1.458	1.539	1.582	1.512	5.54
50)		2,6-Dinitrotol...		0.293	0.342	0.355	0.357	0.350	0.340	0.339	7.04
51)	C	Acenaphthene	1.377	1.437	1.429	1.432	1.417	1.389	1.313	1.399	3.15
52)		3-Nitroaniline		0.254	0.354	0.353	0.352	0.334	0.341	0.331	11.72
53)	P	2,4-Dinitrophenol		0.062	0.114	0.139	0.139	0.153	0.162	0.128	28.24
54)		Dibenzofuran	1.771	1.945	1.960	1.865	1.843	1.815	1.771	1.853	4.13
55)	P	4-Nitrophenol		0.157	0.232	0.247	0.252	0.263	0.271	0.237	17.41
56)		2,4-Dinitrotol...		0.309	0.432	0.409	0.399	0.404	0.427	0.397	11.32
57)		Fluorene	1.548	1.629	1.638	1.558	1.518	1.524	1.509	1.561	3.38
58)		2,3,4,6-Tetrac...	0.260	0.330	0.397	0.399	0.395	0.385	0.374	0.363	14.16
59)		Diethylphthalate	1.375	1.598	1.527	1.464	1.436	1.493	1.468	1.480	4.76
60)		4-Chlorophenyl...	0.744	0.754	0.786	0.770	0.745	0.753	0.711	0.752	3.13
61)		4-Nitroaniline		0.224	0.350	0.334	0.346	0.317	0.349	0.320	15.21
62)		Azobenzene	1.277	1.538	1.672	1.655	1.576	1.723	1.743	1.598	9.97
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...		0.073	0.104	0.111	0.113	0.109	0.120	0.105	15.75
65)	c	n-Nitrosodipe...	0.540	0.596	0.600	0.644	0.629	0.670	0.684	0.623	7.91
66)		4-Bromophenyl-...	0.202	0.210	0.219	0.217	0.200	0.218	0.226	0.213	4.49
67)		Hexachlorobenzene	0.208	0.219	0.206	0.214	0.206	0.222	0.224	0.214	3.50
68)		Atrazine	0.150	0.180	0.205	0.223	0.205	0.200		0.194	13.17
69)	C	Pentachlorophenol		0.092	0.123	0.133	0.122	0.126	0.137	0.122	12.80
70)		Phenanthrene	1.270	1.220	1.251	1.179	1.139	1.148	1.204	1.202	4.13
71)		Anthracene	1.029	1.109	1.131	1.150	1.105	1.117	1.147	1.113	3.66
72)		Carbazole	1.005	0.979	1.028	1.057	1.008	1.028	1.083	1.027	3.35
73)		Di-n-butylphth...	0.877	0.943	1.140	1.217	1.109	1.117	1.198	1.086	11.79
74)	C	Fluoranthene	1.177	1.207	1.341	1.264	1.260	1.129	1.345	1.246	6.49
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine		0.322	0.425	0.402	0.414	0.414	0.369	0.391	9.99
77)		Pyrene	1.230	1.337	1.337	1.269	1.254	1.211	1.331	1.281	4.18
78)	S	Terphenyl-d14	0.874	0.941	1.005	0.916	0.897	0.860	0.954	0.921	5.46
79)		Butylbenzylpht...	0.413	0.426	0.518	0.518	0.485	0.505	0.537	0.486	9.93
80)		Benzo(a)anthra...	1.268	1.254	1.297	1.283	1.226	1.227	1.268	1.260	2.13
81)		3,3'-Dichlorob...	0.296	0.342	0.392	0.398	0.387	0.397	0.424	0.377	11.42
82)		Chrysene	1.194	1.131	1.222	1.193	1.142	1.097	1.146	1.161	3.75

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83)	Bis(2-ethylhex...	0.638	0.724	0.771	0.797	0.751	0.792	0.863	0.762	9.21
84) c	Di-n-octyl pht...	1.160	1.265	1.348	1.411	1.389	1.367	1.460	1.343	7.50
85)	Indeno(1,2,3-c...	1.639	1.416	1.287	1.429	1.412	1.427	1.482	1.442	7.29
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.623	1.231	1.320	1.383	1.373	1.336	1.459	1.389	8.93
88)	Benzo(k)fluora...	1.094	1.272	1.238	1.124	1.052	1.132	1.040	1.136	7.80
89) C	Benzo(a)pyrene	1.311	1.243	1.212	1.192	1.187	1.164	1.212	1.217	3.94
90)	Dibenzo(a,h)an...	1.379	1.224	1.166	1.165	1.152	1.158	1.196	1.206	6.68
91)	Benzo(g,h,i)pe...	1.306	1.199	1.189	1.163	1.161	1.176	1.191	1.198	4.14

(#) = Out of Range