

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG041316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Apr 13 15:48:13 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BG021615.D 10 =BG021616.D 25 =BG021617.D 40 =BG021618.D 50 =BG021619.D 60 =BG021620.D 80 =BG021621.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.562	0.545	0.543	0.507	0.525	0.527	0.535	3.58	
3)	Pyridine	1.770	1.520	1.573	1.562	1.666	1.553	1.586	1.604	5.33
4)	n-Nitrosodimet...	0.950	0.754	0.781	0.759	0.804	0.756	0.762	0.795	8.86
5) S	2-Fluorophenol	1.245	1.176	1.192	1.190	1.245	1.170	1.189	1.201	2.57
6)	Aniline	2.607	2.229	2.404	2.301	2.470	2.276	2.322	2.373	5.52
7) S	Phenol-d6	1.905	1.709	1.785	1.762	1.890	1.738	1.769	1.794	4.18
8)	2-Chlorophenol	1.534	1.395	1.412	1.416	1.502	1.404	1.415	1.440	3.81
9)	Benzaldehyde	1.241	1.111	1.084	0.975	0.983	0.831	1.037	13.54	
10) C	Phenol	1.981	1.851	1.967	1.910	2.034	1.872	1.893	1.930	3.43
11)	bis(2-Chloroet...	1.635	1.534	1.573	1.500	1.589	1.483	1.496	1.544	3.67
12)	1,3-Dichlorobe...	1.733	1.585	1.613	1.598	1.652	1.535	1.540	1.608	4.27
13) C	1,4-Dichlorobe...	1.797	1.613	1.616	1.627	1.652	1.559	1.595	1.637	4.66
14)	1,2-Dichlorobe...	1.712	1.551	1.557	1.546	1.598	1.509	1.522	1.570	4.36
15)	Benzyl Alcohol	1.450	1.272	1.372	1.336	1.460	1.337	1.372	1.371	4.84
16)	2,2'-oxybis(1-...	3.634	3.220	3.329	3.229	3.440	3.125	3.179	3.308	5.35
17)	2-Methylphenol	1.442	1.231	1.357	1.299	1.407	1.292	1.311	1.334	5.44
18)	Hexachloroethane	0.648	0.583	0.589	0.587	0.615	0.563	0.585	0.596	4.64
19) P	n-Nitroso-di-n...	1.489	1.350	1.432	1.318	1.478	1.331	1.360	1.394	5.11
20)	3+4-Methylphenols	1.790	1.733	1.854	1.788	1.981	1.797	1.835	1.826	4.32
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.597	0.554	0.553	0.548	0.572	0.535	0.540	0.557	3.83
23) S	Nitrobenzene-d5	0.403	0.383	0.387	0.385	0.400	0.380	0.385	0.389	2.19
24)	Nitrobenzene	0.442	0.411	0.406	0.412	0.426	0.406	0.415	0.417	3.11
25)	Isophorone	0.954	0.851	0.868	0.802	0.877	0.800	0.809	0.852	6.48
26) C	2-Nitrophenol	0.162	0.144	0.151	0.156	0.168	0.160	0.172	0.159	6.21
27)	2,4-Dimethylph...	0.449	0.355	0.352	0.341	0.357	0.335	0.340	0.361	10.98
28)	bis(2-Chloroet...	0.512	0.451	0.448	0.440	0.453	0.430	0.433	0.453	6.12
29) C	2,4-Dichloroph...	0.318	0.301	0.300	0.305	0.320	0.303	0.309	0.308	2.71
30)	1,2,4-Trichlor...	0.354	0.321	0.332	0.330	0.335	0.320	0.327	0.331	3.45
31)	Naphthalene	1.170	1.088	1.061	1.056	1.085	1.009	1.022	1.070	4.95
32)	Benzoic acid	0.115	0.165	0.180	0.224	0.221	0.249	0.192	25.37	
33)	4-Chloroaniline	0.517	0.454	0.462	0.443	0.476	0.442	0.449	0.463	5.72
34) C	Hexachlorobuta...	0.228	0.209	0.215	0.211	0.216	0.206	0.211	0.214	3.32
35)	Caprolactam	0.152	0.135	0.143	0.136	0.153	0.135	0.133	0.141	6.03
36) C	4-Chloro-3-met...	0.400	0.375	0.398	0.372	0.409	0.378	0.380	0.387	3.77
37)	2-Methylnaphth...	0.761	0.739	0.738	0.716	0.761	0.709	0.720	0.735	2.88

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.693	0.611	0.608	0.621	0.624	0.603	0.615	0.625	4.93
40) P	Hexachlorocycl...	0.337	0.311	0.337	0.361	0.365	0.354	0.365	0.347	5.77
41) S	2,4,6-Tribromo...	0.216	0.194	0.220	0.209	0.228	0.216	0.226	0.216	5.25
42) C	2,4,6-Trichlor...	0.398	0.380	0.397	0.401	0.411	0.397	0.406	0.399	2.42
43)	2,4,5-Trichlor...	0.435	0.407	0.431	0.437	0.453	0.419	0.428	0.430	3.34
44) S	2-Fluorobiphenyl	1.574	1.380	1.353	1.354	1.362	1.270	1.263	1.365	7.54
45)	1,1'-Biphenyl	1.876	1.689	1.669	1.677	1.695	1.596	1.593	1.685	5.60
46)	2-Chloronaphth...	1.410	1.215	1.246	1.234	1.251	1.178	1.187	1.246	6.21
47)	2-Nitroaniline	0.447	0.386	0.424	0.416	0.456	0.426	0.435	0.427	5.30
48)	Acenaphthylene	2.269	2.022	2.085	2.023	2.102	1.946	1.969	2.060	5.25
49)	Dimethylphthalate	2.013	1.703	1.770	1.640	1.768	1.614	1.596	1.729	8.29
50)	2,6-Dinitrotol...	0.303	0.298	0.344	0.327	0.357	0.336	0.344	0.330	6.68
51) C	Acenaphthene	1.462	1.260	1.319	1.303	1.335	1.262	1.277	1.317	5.33
52)	3-Nitroaniline	0.364	0.345	0.378	0.356	0.393	0.361	0.362	0.366	4.22
53) P	2,4-Dinitrophenol		0.069	0.097	0.101	0.120	0.120	0.131	0.106	20.92
54)	Dibenzofuran	2.026	1.778	1.817	1.753	1.821	1.693	1.698	1.798	6.28
55) P	4-Nitrophenol	0.298	0.282	0.319	0.319	0.338	0.319	0.317	0.313	5.71
56)	2,4-Dinitrotol...	0.377	0.406	0.460	0.441	0.494	0.469	0.471	0.446	9.19
57)	Fluorene	1.818	1.600	1.627	1.550	1.634	1.508	1.503	1.606	6.71
58)	2,3,4,6-Tetrac...	0.343	0.345	0.371	0.347	0.376	0.354	0.361	0.357	3.70
59)	Diethylphthalate	2.084	1.818	1.856	1.722	1.824	1.690	1.641	1.805	8.08
60)	4-Chlorophenyl...	0.915	0.773	0.783	0.762	0.809	0.738	0.755	0.791	7.49
61)	4-Nitroaniline	0.396	0.386	0.419	0.409	0.421	0.393	0.393	0.402	3.44
62)	Azobenzene	1.739	1.515	1.587	1.497	1.584	1.456	1.449	1.547	6.52
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.058	0.069	0.080	0.083	0.084	0.089	0.077	15.03
65) c	n-Nitrosodiphe...	0.636	0.605	0.598	0.601	0.610	0.575	0.573	0.600	3.59
66)	4-Bromophenyl-...	0.214	0.212	0.213	0.216	0.223	0.211	0.210	0.214	2.09
67)	Hexachlorobenzene	0.241	0.222	0.225	0.220	0.231	0.220	0.225	0.226	3.27
68)	Atrazine	0.247	0.248	0.237	0.252	0.243	0.228	0.204	0.237	6.98
69) C	Pentachlorophenol		0.104	0.121	0.134	0.140	0.136	0.139	0.129	10.99
70)	Phenanthrene	1.224	1.130	1.095	1.094	1.112	1.045	1.016	1.102	6.03
71)	Anthracene	1.220	1.149	1.127	1.122	1.121	1.061	1.033	1.119	5.38
72)	Carbazole	1.181	1.070	1.045	1.061	1.031	0.980	0.943	1.044	7.25
73)	Di-n-butylphth...	1.419	1.378	1.312	1.406	1.329	1.264	1.192	1.329	6.12
74) C	Fluoranthene	1.460	1.357	1.309	1.360	1.297	1.244	1.187	1.316	6.70
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.702	0.667	0.628	0.628	0.616	0.573	0.544	0.623	8.56
77)	Pyrene	1.275	1.163	1.177	1.126	1.148	1.101	1.083	1.153	5.48
78) S	Terphenyl-d14	0.907	0.832	0.819	0.785	0.793	0.751	0.724	0.802	7.42
79)	Butylbenzylphth...	0.553	0.517	0.540	0.542	0.547	0.523	0.524	0.535	2.58
80)	Benzo(a)anthra...	1.261	1.158	1.165	1.150	1.155	1.091	1.077	1.151	5.19
81)	3,3'-Dichlorob...	0.979	0.918	0.921	0.913	0.928	0.874	0.847	0.911	4.60
82)	Chrysene	1.243	1.109	1.112	1.095	1.108	1.047	1.026	1.106	6.27

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83)	Bis(2-ethylhex...	0.858	0.759	0.790	0.775	0.797	0.754	0.747	0.783	4.86
84) c	Di-n-octyl pht...	1.374	1.271	1.319	1.331	1.350	1.278	1.259	1.312	3.32
85)	Indeno(1,2,3-c...	1.345	1.253	1.314	1.317	1.367	1.293	1.313	1.315	2.77
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.215	1.142	1.168	1.176	1.185	1.123	1.115	1.160	3.08
88)	Benzo(k)fluora...	1.207	1.117	1.165	1.115	1.165	1.097	1.077	1.135	4.00
89) C	Benzo(a)pyrene	1.239	1.093	1.115	1.111	1.151	1.078	1.084	1.124	4.98
90)	Dibenzo(a,h)an...	1.184	1.089	1.134	1.125	1.163	1.101	1.097	1.127	3.15
91)	Benzo(g,h,i)pe...	1.137	1.078	1.113	1.103	1.146	1.083	1.084	1.106	2.43

(#) = Out of Range