

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG022216.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Feb 23 14:08:44 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BG021018.D 10 =BG021019.D 25 =BG021020.D 40 =BG021021.D 50 =BG021022.D 60 =BG021023.D 80 =BG021024.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.319	0.330	0.337	0.323	0.300	0.302	0.310	0.317	4.34
3)	Pyridine	0.882	1.055	1.049	1.007	1.003	1.003	1.031	1.004	5.78
4)	n-Nitrosodimet...	0.198	0.267	0.281	0.283	0.273	0.278	0.291	0.267	11.82
5) S	2-Fluorophenol	1.054	1.105	1.060	1.055	1.038	1.045	1.087	1.063	2.25
6)	Aniline		1.022	1.163	1.333	1.417	1.513	1.637	1.347	16.80
7) S	Phenol-d6	1.372	1.449	1.526	1.527	1.557	1.582	1.656	1.524	6.03
8)	2-Chlorophenol	1.298	1.371	1.334	1.360	1.358	1.387	1.419	1.361	2.82
9)	Benzaldehyde	0.841	0.825	0.748	0.653	0.610	0.592	0.504	0.682	18.56
10) C	Phenol	1.496	1.553	1.572	1.608	1.625	1.655	1.738	1.607	4.84
11)	bis(2-Chloroet...	1.363	1.330	1.332	1.296	1.290	1.281	1.301	1.313	2.22
12)	1,3-Dichlorobe...	1.534	1.570	1.519	1.506	1.514	1.548	1.578	1.539	1.81
13) C	1,4-Dichlorobe...	1.586	1.617	1.595	1.575	1.566	1.604	1.670	1.602	2.17
14)	1,2-Dichlorobe...	1.530	1.499	1.494	1.496	1.475	1.514	1.561	1.510	1.87
15)	Benzyl Alcohol	0.850	0.961	0.957	1.002	1.024	1.055	1.110	0.994	8.38
16)	2,2'-oxybis(1-...	1.492	1.471	1.418	1.411	1.383	1.423	1.445	1.435	2.60
17)	2-Methylphenol	1.118	1.138	1.169	1.202	1.218	1.242	1.278	1.195	4.78
18)	Hexachloroethane	0.453	0.524	0.501	0.512	0.513	0.505	0.525	0.505	4.88
19) P	n-Nitroso-di-n...	0.833	0.952	0.958	0.986	0.982	1.021	1.071	0.972	7.57
20)	3+4-Methylphenols	1.583	1.604	1.636	1.667	1.689	1.745	1.836	1.680	5.21
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.435	0.429	0.441	0.432	0.426	0.429	0.426	0.431	1.24
23) S	Nitrobenzene-d5	0.249	0.271	0.276	0.273	0.272	0.276	0.273	0.270	3.57
24)	Nitrobenzene	0.263	0.288	0.290	0.286	0.281	0.287	0.285	0.283	3.17
25)	Isophorone	0.593	0.589	0.580	0.580	0.586	0.603	0.592	0.589	1.40
26) C	2-Nitrophenol	0.155	0.164	0.173	0.176	0.173	0.179	0.181	0.172	5.33
27)	2,4-Dimethylph...	0.275	0.283	0.287	0.281	0.289	0.293	0.296	0.286	2.50
28)	bis(2-Chloroet...	0.336	0.359	0.361	0.346	0.346	0.349	0.343	0.349	2.57
29) C	2,4-Dichloroph...	0.262	0.274	0.284	0.288	0.292	0.304	0.304	0.287	5.26
30)	1,2,4-Trichlor...	0.303	0.300	0.309	0.310	0.305	0.313	0.316	0.308	1.78
31)	Naphthalene	1.025	1.017	1.034	1.020	1.015	1.033	1.028	1.025	0.73
32)	Benzoic acid		0.177	0.226	0.254	0.264	0.281	0.286	0.248	16.48
33)	4-Chloroaniline		0.322	0.356	0.376	0.391	0.409	0.401	0.376	8.61
34) C	Hexachlorobuta...	0.160	0.172	0.168	0.170	0.169	0.173	0.172	0.169	2.47
35)	Caprolactam		0.095	0.105	0.116	0.111	0.114	0.114	0.109	7.24
36) C	4-Chloro-3-met...	0.274	0.290	0.298	0.301	0.310	0.332	0.324	0.304	6.55
37)	2-Methylnaphth...	0.702	0.725	0.732	0.740	0.753	0.780	0.776	0.744	3.76

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.595	0.613	0.584	0.591	0.592	0.584	0.585	0.592	1.76
40) P	Hexachlorocycl...	0.282	0.301	0.325	0.332	0.326	0.330	0.331	0.318	6.05
41) S	2,4,6-Tribromo...	0.221	0.251	0.261	0.279	0.292	0.303	0.300	0.273	11.04
42) C	2,4,6-Trichlor...	0.384	0.409	0.413	0.410	0.412	0.421	0.415	0.409	2.88
43)	2,4,5-Trichlor...	0.408	0.431	0.426	0.427	0.436	0.444	0.434	0.429	2.64
44) S	2-Fluorobiphenyl	1.477	1.488	1.450	1.415	1.408	1.399	1.387	1.432	2.76
45)	1,1'-Biphenyl	1.773	1.779	1.720	1.663	1.668	1.677	1.651	1.704	3.13
46)	2-Chloronaphth...	1.263	1.257	1.201	1.192	1.209	1.198	1.173	1.213	2.79
47)	2-Nitroaniline	0.250	0.250	0.265	0.264	0.269	0.275	0.264	0.263	3.52
48)	Acenaphthylene	2.191	2.224	2.199	2.189	2.205	2.215	2.167	2.198	0.85
49)	Dimethylphthalate	1.669	1.650	1.611	1.646	1.672	1.680	1.622	1.650	1.58
50)	2,6-Dinitrotol...	0.317	0.350	0.349	0.356	0.367	0.368	0.362	0.353	4.94
51) C	Acenaphthene	1.171	1.261	1.244	1.249	1.265	1.258	1.258	1.244	2.64
52)	3-Nitroaniline	0.276	0.327	0.345	0.369	0.382	0.379	0.384	0.352	11.20
53) P	2,4-Dinitrophenol		0.131	0.177	0.205	0.217	0.225	0.226	0.197	18.71
54)	Dibenzofuran	1.794	1.821	1.832	1.839	1.863	1.892	1.852	1.842	1.71
55) P	4-Nitrophenol		0.266	0.304	0.332	0.338	0.341	0.326	0.318	9.06
56)	2,4-Dinitrotol...	0.405	0.451	0.481	0.506	0.508	0.515	0.510	0.482	8.46
57)	Fluorene	1.605	1.643	1.641	1.685	1.711	1.734	1.699	1.674	2.73
58)	2,3,4,6-Tetrac...	0.289	0.369	0.378	0.384	0.401	0.403	0.395	0.374	10.61
59)	Diethylphthalate	1.545	1.610	1.633	1.723	1.726	1.717	1.673	1.661	4.13
60)	4-Chlorophenyl...	0.767	0.800	0.796	0.814	0.830	0.849	0.827	0.812	3.33
61)	4-Nitroaniline		0.310	0.345	0.381	0.389	0.393	0.382	0.367	8.87
62)	Azobenzene	1.053	1.097	1.094	1.109	1.127	1.125	1.093	1.100	2.26
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.114	0.131	0.139	0.138	0.142	0.142	0.134	8.02
65) c	n-Nitrosodiphe...	0.660	0.682	0.655	0.635	0.625	0.634	0.626	0.645	3.28
66)	4-Bromophenyl-...	0.233	0.244	0.241	0.232	0.237	0.237	0.241	0.238	1.85
67)	Hexachlorobenzene	0.278	0.267	0.268	0.264	0.265	0.272	0.270	0.269	1.74
68)	Atrazine	0.177	0.199	0.193	0.191	0.190	0.190	0.178	0.188	4.21
69) C	Pentachlorophenol	0.112	0.140	0.159	0.161	0.162	0.163	0.164	0.152	12.65
70)	Phenanthrene	1.115	1.146	1.125	1.114	1.116	1.119	1.109	1.120	1.08
71)	Anthracene	1.124	1.126	1.118	1.101	1.108	1.116	1.105	1.114	0.85
72)	Carbazole	0.956	0.931	0.954	0.940	0.946	0.953	0.947	0.947	0.94
73)	Di-n-butylphth...	1.114	1.098	1.078	1.061	1.079	1.077	1.089	1.085	1.55
74) C	Fluoranthene	0.922	0.901	0.910	0.927	0.939	0.957	0.983	0.934	3.02
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.779	0.551	0.568	0.588	0.565	0.591	0.525	0.595	14.14
77)	Pyrene	1.413	1.501	1.548	1.555	1.573	1.590	1.558	1.534	3.91
78) S	Terphenyl-d14	0.903	0.968	1.055	1.087	1.122	1.136	1.151	1.060	8.76
79)	Butylbenzylphth...	0.579	0.570	0.558	0.557	0.564	0.567	0.562	0.565	1.32
80)	Benzo(a)anthra...	1.197	1.166	1.166	1.182	1.190	1.198	1.192	1.185	1.14
81)	3,3'-Dichlorob...	0.614	0.482	0.465	0.451	0.455	0.457	0.447	0.481	12.41
82)	Chrysene	1.111	1.119	1.105	1.105	1.133	1.130	1.126	1.118	1.05

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83)	Bis(2-ethylhex...	0.897	0.769	0.784	0.755	0.746	0.752	0.742	0.778	7.01
84) c	Di-n-octyl pht...	1.356	1.317	1.232	1.226	1.216	1.216	1.187	1.250	4.93
85)	Indeno(1,2,3-c...	1.360	1.383	1.365	1.349	1.352	1.367	1.337	1.359	1.09
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.211	1.156	1.212	1.178	1.202	1.195	1.187	1.192	1.68
88)	Benzo(k)fluora...	1.165	1.126	1.186	1.190	1.168	1.167	1.160	1.166	1.79
89) C	Benzo(a)pyrene	1.121	1.136	1.168	1.159	1.169	1.151	1.145	1.150	1.52
90)	Dibenzo(a,h)an...	1.143	1.180	1.214	1.191	1.190	1.201	1.183	1.186	1.88
91)	Benzo(g,h,i)pe...	1.099	1.131	1.175	1.155	1.158	1.163	1.152	1.148	2.19

(#) = Out of Range