

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG060517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jun 05 16:00:35 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BG027206.D 10 =BG027207.D 25 =BG027208.D 40 =BG027209.D 50 =BG027210.D 60 =BG027211.D 80 =BG027212.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.574	0.551	0.521	0.533	0.520	0.543	0.563	0.543	3.78
3)	Pyridine	1.519	1.640	1.679	1.666	1.770	1.778	1.675		5.70
4)	n-Nitrosodimet...	0.564	0.586	0.621	0.622	0.624	0.660	0.665	0.620	5.86
5) S	2-Fluorophenol	1.211	1.269	1.286	1.329	1.323	1.367	1.389	1.311	4.63
6)	Aniline	2.082	2.404	2.462	2.496	2.474	2.556	2.486	2.423	6.48
7) S	Phenol-d6	1.716	1.855	1.941	1.986	1.962	2.032	1.976	1.924	5.54
8)	2-Chlorophenol	1.239	1.358	1.382	1.408	1.414	1.442	1.445	1.384	5.12
9)	Benzaldehyde	1.264	1.376	1.364	1.360	1.326	1.339	1.282	1.330	3.20
10) C	Phenol	1.843	1.908	1.998	2.013	1.968	2.052	1.991	1.967	3.57
11)	bis(2-Chloroet...	1.506	1.648	1.622	1.650	1.592	1.653	1.628	1.614	3.23
12)	1,3-Dichlorobe...	1.499	1.549	1.570	1.562	1.560	1.585	1.602	1.561	2.08
13) C	1,4-Dichlorobe...	1.591	1.590	1.606	1.603	1.578	1.612	1.634	1.602	1.14
14)	1,2-Dichlorobe...	1.590	1.546	1.559	1.549	1.537	1.573	1.584	1.563	1.28
15)	Benzyl Alcohol	1.137	1.286	1.357	1.411	1.410	1.468	1.419	1.356	8.27
16)	2,2'-oxybis(1-...	2.316	2.372	2.315	2.328	2.272	2.313	2.250	2.309	1.70
17)	2-Methylphenol	1.271	1.355	1.401	1.421	1.411	1.461	1.415	1.391	4.41
18)	Hexachloroethane	0.475	0.521	0.547	0.548	0.547	0.562	0.577	0.540	6.17
19) P	n-Nitroso-di-n...	1.205	1.317	1.384	1.401	1.368	1.419	1.328	1.346	5.37
20)	3+4-Methylphenols	1.633	1.867	1.945	1.995	1.989	2.064	1.993	1.926	7.39
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.462	0.511	0.514	0.522	0.519	0.526	0.526	0.511	4.41
23) S	Nitrobenzene-d5	0.253	0.296	0.326	0.337	0.341	0.355	0.318		11.83
24)	Nitrobenzene	0.299	0.345	0.372	0.376	0.385	0.397	0.362		9.77
25)	Isophorone	0.670	0.723	0.756	0.769	0.766	0.785	0.765	0.748	5.22
26) C	2-Nitrophenol	0.090	0.119	0.134	0.148	0.154	0.164	0.135		19.95
27)	2,4-Dimethylph...	0.270	0.316	0.323	0.336	0.332	0.338	0.335	0.322	7.46
28)	bis(2-Chloroet...	0.458	0.481	0.489	0.493	0.488	0.493	0.486	0.484	2.53
29) C	2,4-Dichloroph...	0.233	0.276	0.296	0.310	0.311	0.314	0.317	0.294	10.34
30)	1,2,4-Trichlor...	0.307	0.317	0.322	0.331	0.330	0.327	0.341	0.325	3.40
31)	Naphthalene	1.083	1.114	1.088	1.094	1.081	1.096	1.096	1.093	1.03
32)	Benzoic acid	0.108	0.171	0.204	0.217	0.232	0.245	0.196		25.48
33)	4-Chloroaniline	0.410	0.451	0.456	0.466	0.467	0.475	0.464	0.455	4.70
34) C	Hexachlorobuta...	0.187	0.194	0.200	0.203	0.201	0.202	0.210	0.200	3.65
35)	Caprolactam	0.069	0.097	0.103	0.109	0.107	0.115	0.106	0.101	14.85
36) C	4-Chloro-3-met...	0.331	0.359	0.373	0.380	0.375	0.387	0.370	0.368	4.98
37)	2-Methylnaphth...	0.791	0.808	0.802	0.806	0.791	0.805	0.779	0.797	1.34

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.581	0.591	0.616	0.640	0.630	0.638	0.666	0.623	4.75
40) P	Hexachlorocycl...		0.267	0.310	0.340	0.343	0.346	0.384	0.332	11.81
41) S	2,4,6-Tribromo...	0.193	0.233	0.266	0.278	0.278	0.300	0.296	0.263	14.45
42) C	2,4,6-Trichlor...	0.299	0.343	0.383	0.399	0.396	0.409	0.416	0.378	11.12
43)	2,4,5-Trichlor...	0.345	0.402	0.432	0.443	0.433	0.449	0.456	0.423	9.12
44) S	2-Fluorobiphenyl	1.441	1.446	1.453	1.456	1.390	1.421	1.400	1.430	1.85
45)	1,1'-Biphenyl	1.598	1.615	1.648	1.659	1.612	1.643	1.652	1.632	1.44
46)	2-Chloronaphth...	1.180	1.196	1.210	1.253	1.214	1.247	1.267	1.224	2.64
47)	2-Nitroaniline		0.210	0.273	0.326	0.338	0.366	0.376	0.315	19.94
48)	Acenaphthylene	1.931	2.049	2.116	2.136	2.048	2.117	2.103	2.071	3.40
49)	Dimethylphthalate	1.511	1.602	1.623	1.608	1.559	1.630	1.572	1.587	2.66
50)	2,6-Dinitrotol...		0.198	0.274	0.306	0.318	0.338	0.340	0.296	18.14
51) C	Acenaphthene	1.290	1.324	1.350	1.370	1.332	1.383	1.383	1.347	2.57
52)	3-Nitroaniline		0.222	0.287	0.320	0.325	0.356	0.360	0.312	16.42
53) P	2,4-Dinitrophenol		0.063	0.096	0.115	0.123	0.143	0.154	0.116	28.37
54)	Dibenzofuran	1.908	1.916	1.904	1.899	1.821	1.893	1.838	1.883	1.98
55) P	4-Nitrophenol		0.172	0.244	0.264	0.266	0.302	0.303	0.259	18.62
56)	2,4-Dinitrotol...		0.246	0.333	0.378	0.395	0.437	0.447	0.373	20.01
57)	Fluorene	1.703	1.711	1.694	1.683	1.608	1.685	1.622	1.672	2.42
58)	2,3,4,6-Tetrac...	0.292	0.338	0.385	0.400	0.397	0.416	0.414	0.377	12.11
59)	Diethylphthalate	1.533	1.603	1.625	1.591	1.539	1.631	1.555	1.583	2.54
60)	4-Chlorophenyl...	0.834	0.849	0.846	0.844	0.823	0.858	0.843	0.842	1.33
61)	4-Nitroaniline		0.227	0.291	0.320	0.321	0.366	0.365	0.315	16.50
62)	Azobenzene	1.407	1.464	1.510	1.499	1.432	1.506	1.450	1.467	2.72
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.044	0.067	0.081	0.091	0.098	0.108	0.082	28.45
65) c	n-Nitrosodiphe...	0.556	0.611	0.633	0.658	0.652	0.637	0.642	0.627	5.54
66)	4-Bromophenyl-...	0.206	0.222	0.236	0.248	0.247	0.246	0.251	0.237	7.07
67)	Hexachlorobenzene	0.234	0.241	0.253	0.261	0.264	0.261	0.268	0.255	4.98
68)	Atrazine	0.162	0.201	0.211	0.218	0.215	0.229	0.231	0.210	11.09
69) C	Pentachlorophenol		0.117	0.139	0.151	0.155	0.163	0.170	0.149	12.63
70)	Phenanthrene	1.158	1.145	1.127	1.127	1.101	1.114	1.105	1.125	1.85
71)	Anthracene	1.073	1.143	1.141	1.148	1.121	1.135	1.130	1.127	2.28
72)	Carbazole	1.020	1.083	1.071	1.069	1.023	1.092	1.085	1.063	2.78
73)	Di-n-butylphth...	0.896	0.985	1.023	1.053	1.004	1.129	1.127	1.031	7.96
74) C	Fluoranthene	1.219	1.237	1.173	1.198	1.117	1.241	1.230	1.202	3.70
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.557	0.605	0.609	0.603	0.624	0.617	0.602	3.91
77)	Pyrene	1.329	1.358	1.271	1.144	1.144	1.130	1.082	1.208	9.02
78) S	Terphenyl-d14	0.841	0.862	0.823	0.762	0.752	0.745	0.703	0.784	7.44
79)	Butylbenzylphth...	0.387	0.405	0.425	0.436	0.441	0.448	0.448	0.427	5.41
80)	Benzo(a)anthra...	1.113	1.145	1.160	1.147	1.140	1.145	1.134	1.141	1.26
81)	3,3'-Dichlorob...	0.378	0.430	0.450	0.459	0.463	0.465	0.461	0.444	7.06
82)	Chrysene	1.095	1.103	1.106	1.092	1.088	1.101	1.079	1.095	0.87

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83)	Bis(2-ethylhex...	0.625	0.631	0.653	0.646	0.656	0.655	0.651	0.645	1.90
84) c	Di-n-octyl pht...	0.986	1.044	1.083	1.082	1.096	1.097	1.092	1.069	3.83
85)	Indeno(1,2,3-c...	1.248	1.300	1.315	1.327	1.353	1.360	1.379	1.326	3.30

86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.184	1.228	1.217	1.253	1.251	1.291	1.259	1.240	2.76
88)	Benzo(k)fluora...	1.162	1.193	1.194	1.265	1.220	1.228	1.258	1.217	3.05
89) C	Benzo(a)pyrene	1.110	1.139	1.151	1.181	1.180	1.208	1.205	1.168	3.09
90)	Dibenzo(a,h)an...	1.124	1.176	1.201	1.250	1.236	1.278	1.290	1.222	4.83
91)	Benzo(g,h,i)pe...	1.109	1.150	1.166	1.202	1.199	1.222	1.238	1.184	3.79

(#) = Out of Range