

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG101922.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Oct 20 09:21:42 2022
 Response Via : Initial Calibration

Calibration Files

2.5 =BG055203.D 5 =BG055204.D 10 =BG055205.D 20 =BG055206.D 40 =BG055207.D 50 =BG055208.D 60 =BG055209.D 80 =BG055210.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane		0.665	0.569	0.547	0.561	0.514	0.460	0.469	0.541	12.87
3)	Pyridine		1.792	1.644	1.773	1.824	1.624	1.610	1.648	1.702	5.31
4)	n-Nitrosodimet...		0.874	0.798	0.804	0.846	0.750	0.740	0.764	0.797	6.24
5) S	2-Fluorophenol	1.194	1.196	1.116	1.194	1.193	0.805	1.123	1.073	1.112	11.92
6)	Aniline		2.250	2.167	2.242	2.340	2.119	2.139	2.115	2.196	3.82
7) S	Phenol-d6	1.624	1.712	1.676	1.773	1.800	1.646	1.678	1.643	1.694	3.74
8)	2-Chlorophenol		1.390	1.335	1.416	1.389	1.293	1.305	1.280	1.344	4.04
9)	Benzaldehyde		1.389	1.330	1.308	1.150	1.064	1.045	0.957	1.177	14.08
10) C	Phenol		1.920	1.890	2.030	1.998	1.835	1.874	1.849	1.914	3.88
11)	bis(2-Chloroet...		1.555	1.509	1.509	1.526	1.388	1.435	1.392	1.473	4.59
12)	1,3-Dichlorobe...		1.519	1.479	1.509	1.498	1.399	1.435	1.366	1.458	4.05
13) C	1,4-Dichlorobe...		1.585	1.508	1.533	1.526	1.424	1.459	1.390	1.489	4.57
14)	1,2-Dichlorobe...		1.452	1.451	1.500	1.468	1.348	1.385	1.330	1.419	4.56
15)	Benzyl Alcohol		1.391	1.435	1.518	1.536	1.395	1.454	1.456	1.455	3.83
16)	2,2'-oxybis(1-...		2.648	2.736	2.814	2.808	2.439	2.613	2.530	2.655	5.31
17)	2-Methylphenol		1.215	1.358	1.410	1.414	1.265	1.300	1.312	1.325	5.59
18)	Hexachloroethane		0.470	0.555	0.584	0.574	0.514	0.554	0.522	0.539	7.35
19) P	n-Nitroso-di-n...	1.519	1.279	1.508	1.557	1.560	1.348	1.422	1.429	1.453	7.00
20)	3+4-Methylphenols		1.518	1.890	1.999	2.042	1.803	1.880	1.900	1.862	9.19
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone		0.509	0.502	0.522	0.533	0.707	0.512	0.501	0.541	13.67
23) S	Nitrobenzene-d5	0.392	0.362	0.392	0.401	0.418	0.549	0.408	0.393	0.414	13.76
24)	Nitrobenzene		0.409	0.412	0.427	0.439	0.571	0.427	0.416	0.443	12.96
25)	Isophorone		0.825	0.804	0.832	0.846	1.017	0.812	0.796	0.848	9.05
26) C	2-Nitrophenol		0.150	0.161	0.175	0.189	0.170	0.189	0.185	0.174	8.46
27)	2,4-Dimethylph...		0.262	0.273	0.286	0.297	0.256	0.286	0.283	0.277	5.28
28)	bis(2-Chloroet...		0.382	0.413	0.429	0.438	0.353	0.424	0.413	0.407	7.33
29) C	2,4-Dichloroph...		0.271	0.274	0.299	0.304	0.320	0.305	0.300	0.296	5.94
30)	1,2,4-Trichlor...		0.297	0.286	0.297	0.308	0.329	0.307	0.299	0.303	4.48
31)	Naphthalene		1.049	1.047	1.103	1.101	0.981	1.069	1.037	1.055	3.95
32)	Benzoic acid			0.146	0.170	0.214	0.200	0.228	0.234	0.199	17.37
33)	4-Chloroaniline		0.391	0.428	0.456	0.466	0.411	0.448	0.443	0.435	6.08
34) C	Hexachlorobuta...		0.192	0.160	0.169	0.175	0.244	0.174	0.169	0.183	15.51
35)	Caprolactam		0.142	0.129	0.142	0.130	0.121	0.126	0.122	0.130	6.51
36) C	4-Chloro-3-met...		0.313	0.354	0.388	0.388	0.506	0.376	0.371	0.385	15.40
37)	2-Methylnaphth...		0.725	0.745	0.782	0.789	1.070	0.761	0.747	0.803	14.96
38)	1-Methylnaphth...		0.761	0.738	0.774	0.766	1.041	0.744	0.723	0.792	13.99

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...		0.433	0.454	0.466	0.490	0.478	0.490	0.479	0.470	4.38
41) P	Hexachlorocycl...			0.150	0.184	0.227	0.232	0.244	0.247	0.214	18.13
42) S	2,4,6-Tribromo...	0.226	0.200	0.196	0.213	0.209	0.205	0.208	0.200	0.207	4.53
43) C	2,4,6-Trichlor...		0.351	0.328	0.361	0.372	0.359	0.369	0.364	0.358	4.11
44)	2,4,5-Trichlor...		0.380	0.373	0.387	0.406	0.399	0.407	0.395	0.393	3.30
45) S	2-Fluorobiphenyl	1.353	1.322	1.235	1.260	1.274	1.181	1.222	1.169	1.252	5.12
46)	1,1'-Biphenyl		1.468	1.379	1.434	1.464	1.359	1.427	1.383	1.416	3.05
47)	2-Chloronaphth...		1.106	1.073	1.100	1.124	1.061	1.095	1.074	1.090	2.03
48)	2-Nitroaniline		0.405	0.412	0.463	0.467	0.437	0.461	0.452	0.442	5.66
49)	Acenaphthylene		1.903	1.829	1.926	1.934	1.805	1.860	1.799	1.865	3.04
50)	Dimethylphthalate		1.711	1.576	1.655	1.590	1.496	1.529	1.455	1.573	5.67
51)	2,6-Dinitrotol...		0.308	0.295	0.330	0.329	0.315	0.323	0.310	0.316	4.04
52) C	Acenaphthene		1.072	1.151	1.234	1.258	1.177	1.227	1.194	1.188	5.25
53)	3-Nitroaniline		0.370	0.374	0.417	0.410	0.390	0.405	0.386	0.393	4.59
54) P	2,4-Dinitrophenol			0.100	0.150	0.168	0.174	0.181	0.180	0.159	19.40
55)	Dibenzofuran		1.494	1.731	1.846	1.802	1.693	1.740	1.667	1.711	6.63
56) P	4-Nitrophenol		0.191	0.256	0.303	0.300	0.293	0.303	0.289	0.276	14.82
57)	2,4-Dinitrotol...		0.363	0.417	0.478	0.475	0.453	0.461	0.442	0.441	9.10
58)	Fluorene		1.354	1.461	1.551	1.497	1.401	1.442	1.377	1.441	4.81
59)	2,3,4,6-Tetrac...		0.329	0.318	0.351	0.363	0.338	0.350	0.343	0.342	4.42
60)	Diethylphthalate		1.483	1.705	1.835	1.716	1.593	1.648	1.540	1.646	7.21
61)	4-Chlorophenyl...		0.646	0.649	0.704	0.690	0.668	0.672	0.651	0.669	3.31
62)	4-Nitroaniline		0.326	0.395	0.448	0.422	0.398	0.414	0.388	0.399	9.46
63)	Azobenzene		1.301	1.738	1.866	1.765	1.618	1.721	1.634	1.663	10.82
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.075	0.090	0.107	0.118	0.118	0.121	0.119	0.107	16.69
66) c	n-Nitrosodiphe...		0.462	0.548	0.588	0.593	0.561	0.580	0.574	0.558	8.07
67)	4-Bromophenyl-...		0.184	0.188	0.193	0.202	0.197	0.201	0.199	0.195	3.52
68)	Hexachlorobenzene		0.208	0.204	0.214	0.222	0.213	0.216	0.216	0.213	2.83
69)	Atrazine		0.183	0.191	0.201	0.200	0.178	0.173	0.162	0.184	7.84
70) C	Pentachlorophenol			0.085	0.109	0.124	0.123	0.126	0.125	0.115	13.85
71)	Phenanthrene		1.095	1.059	1.112	1.105	1.019	1.062	1.019	1.067	3.63
72)	Anthracene		1.067	1.043	1.097	1.072	0.990	1.035	0.996	1.043	3.79
73)	Carbazole		0.802	1.002	1.059	1.020	0.935	0.977	0.927	0.960	8.73
74)	Di-n-butylphth...		1.026	1.305	1.397	1.341	1.218	1.268	1.213	1.253	9.53
75) C	Fluoranthene		1.102	1.216	1.282	1.238	1.148	1.177	1.112	1.182	5.66
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.501	0.780	0.471	0.459	0.498	0.458	0.394	0.509	24.51
78)	Pyrene		1.267	1.875	1.474	1.484	1.700	1.407	1.342	1.507	14.04
79) S	Terphenyl-d14	1.106	1.053	1.324	1.036	1.028	1.172	0.960	0.907	1.073	12.09
80)	Butylbenzylphth...		0.644	0.755	0.696	0.690	0.788	0.689	0.669	0.704	7.10
81)	Benzo(a)anthra...		1.304	1.263	1.348	1.330	1.293	1.290	1.251	1.297	2.65
82)	3,3'-Dichlorob...		0.427	0.445	0.491	0.441	0.468	0.430	0.415	0.445	5.91
83)	Chrysene		1.258	1.188	1.270	1.272	1.060	1.223	1.186	1.208	6.18
84)	Bis(2-ethylhex...		0.936	0.707	1.038	0.972	0.866	0.977	0.956	0.922	11.69
85) c	Di-n-octyl pht...		1.602	0.883	1.926	1.158	0.808	1.644	1.598	1.374	30.99#

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		-----ISTD-----								
86) I	Perylene-d12									
87)	Indeno(1,2,3-c...	1.223	1.427	1.711	1.013	1.446	1.476	1.441	1.391	15.74
88)	Benzo(b)fluora...	1.178	1.150	1.351	1.084	1.163	1.207	1.180	1.188	6.89
89)	Benzo(k)fluora...	1.256	1.149	1.374	1.120	1.134	1.230	1.158	1.203	7.54
90) C	Benzo(a)pyrene	1.018	0.969	1.193	0.923	0.976	1.048	1.008	1.019	8.49
91)	Dibenzo(a,h)an...	0.975	1.197	1.395	0.848	1.188	1.205	1.168	1.140	15.52
92)	Benzo(g,h,i)pe...	0.822	1.169	1.389	0.824	1.166	1.196	1.163	1.104	18.80

(#) = Out of Range