

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG020722.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Feb 08 01:21:20 2022
 Response Via : Initial Calibration

Calibration Files

5 =BG052302.D 10 =BG052303.D 20 =BG052304.D 40 =BG052305.D 50 =BG052306.D 60 =BG052307.D 80 =BG052308.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.611	0.615	0.560	0.498	0.471	0.473	0.471	0.528	12.44
3) Pyridine	1.489	1.604	1.695	1.544	1.441	1.496	1.459	1.532	5.88
4) n-Nitrosodimet...	0.889	0.844	0.849	0.775	0.731	0.726	0.725	0.791	8.64
5) S 2-Fluorophenol	1.176	1.220	1.233	1.132	1.101	1.099	1.072	1.148	5.47
6) Aniline	2.044	2.155	2.192	2.101	1.986	1.999	1.923	2.057	4.71
7) S Phenol-d6	1.794	1.872	1.891	1.788	1.700	1.698	1.652	1.771	5.16
8) 2-Chlorophenol	1.351	1.357	1.354	1.217	1.170	1.217	1.172	1.262	6.93
9) Benzaldehyde	1.291	1.203	1.247	1.027	0.876	0.878		1.087	17.09
10) C Phenol	1.827	1.917	1.868	1.762	1.655	1.653	1.633	1.759	6.53
11) bis(2-Chloroet...	1.545	1.461	1.465	1.296	1.229	1.220	1.197	1.345	10.58
12) 1,3-Dichlorobe...	1.600	1.518	1.526	1.406	1.347	1.348	1.322	1.438	7.58
13) C 1,4-Dichlorobe...	1.621	1.552	1.546	1.436	1.382	1.390	1.338	1.466	7.25
14) 1,2-Dichlorobe...	1.602	1.542	1.591	1.406	1.343	1.350	1.289	1.446	8.96
15) Benzyl Alcohol	1.465	1.446	1.595	1.519	1.400	1.467	1.394	1.469	4.76
16) 2,2'-oxybis(1-...	2.362	2.169	2.071	1.859	1.718	1.743	1.671	1.942	13.54
17) 2-Methylphenol	1.186	1.193	1.215	1.160	1.123	1.147	1.102	1.161	3.47
18) Hexachloroethane	0.571	0.558	0.538	0.485	0.481	0.471	0.465	0.510	8.72
19) P n-Nitroso-di-n...	1.454	1.466	1.455	1.311	1.219	1.241	1.198	1.335	9.04
20) 3+4-Methylphenols	1.619	1.777	1.791	1.676	1.598	1.610	1.555	1.661	5.50
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.586	0.540	0.543	0.513	0.512	0.504	0.502	0.529	5.71
23) S Nitrobenzene-d5	0.491	0.473	0.479	0.451	0.450	0.443	0.434	0.460	4.56
24) Nitrobenzene	0.454	0.462	0.449	0.435	0.425	0.416	0.414	0.437	4.36
25) Isophorone	0.842	0.773	0.819	0.774	0.767	0.759	0.746	0.783	4.43
26) C 2-Nitrophenol	0.174	0.180	0.187	0.189	0.188	0.192	0.186	0.185	3.30
27) 2,4-Dimethylph...	0.287	0.269	0.282	0.273	0.277	0.265	0.264	0.274	3.08
28) bis(2-Chloroet...	0.493	0.458	0.453	0.437	0.433	0.421	0.416	0.444	5.95
29) C 2,4-Dichloroph...	0.350	0.325	0.326	0.323	0.330	0.323	0.320	0.328	3.07
30) 1,2,4-Trichlor...	0.409	0.387	0.396	0.371	0.383	0.368	0.370	0.383	3.96
31) Naphthalene	1.154	1.066	1.071	1.024	1.019	1.012	0.993	1.048	5.20
32) Benzoic acid		0.116	0.141	0.162	0.171	0.186	0.190	0.161	17.58
33) 4-Chloroaniline	0.428	0.438	0.455	0.440	0.448	0.427	0.429	0.438	2.47
34) C Hexachlorobuta...	0.300	0.269	0.259	0.247	0.252	0.247	0.239	0.259	7.90
35) Caprolactam	0.122	0.111	0.128	0.120	0.119	0.120	0.116	0.120	4.31
36) C 4-Chloro-3-met...	0.374	0.358	0.388	0.377	0.378	0.371	0.369	0.374	2.49
37) 2-Methylnaphth...	0.874	0.795	0.795	0.758	0.751	0.742	0.736	0.779	6.19
38) 1-Methylnaphth...	0.829	0.772	0.765	0.751	0.736	0.715	0.714	0.755	5.27

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.709	0.660	0.671	0.639	0.652	0.635	0.639	0.658	3.95
41) P	Hexachlorocycl...	0.202	0.258	0.278	0.298	0.306	0.324	0.278		15.62
42) S	2,4,6-Tribromo...	0.281	0.274	0.301	0.286	0.292	0.291	0.286	0.287	2.95
43) C	2,4,6-Trichlor...	0.399	0.409	0.437	0.430	0.457	0.438	0.442	0.430	4.68
44)	2,4,5-Trichlor...	0.456	0.459	0.475	0.460	0.479	0.468	0.467	0.466	1.86
45) S	2-Fluorobiphenyl	1.602	1.454	1.490	1.405	1.410	1.366	1.349	1.439	6.00
46)	1,1'-Biphenyl	1.582	1.429	1.534	1.435	1.446	1.424	1.415	1.467	4.41
47)	2-Chloronaphth...	1.222	1.119	1.162	1.106	1.127	1.088	1.085	1.130	4.26
48)	2-Nitroaniline	0.412	0.382	0.409	0.400	0.407	0.404	0.402	0.402	2.43
49)	Acenaphthylene	1.951	1.873	1.906	1.792	1.820	1.768	1.764	1.839	3.94
50)	Dimethylphthalate	1.688	1.515	1.593	1.488	1.500	1.480	1.461	1.532	5.27
51)	2,6-Dinitrotol...	0.342	0.333	0.331	0.329	0.328	0.327	0.325	0.331	1.75
52) C	Acenaphthene	1.271	1.171	1.223	1.184	1.201	1.184	1.198	1.205	2.77
53)	3-Nitroaniline	0.329	0.334	0.364	0.346	0.350	0.345	0.339	0.344	3.35
54) P	2,4-Dinitrophenol	0.119	0.169	0.185	0.196	0.201	0.206	0.179		18.10
55)	Dibenzofuran	2.175	1.920	1.956	1.815	1.833	1.788	1.773	1.894	7.45
56) P	4-Nitrophenol	0.232	0.234	0.275	0.264	0.264	0.268	0.270	0.258	6.75
57)	2,4-Dinitrotol...	0.445	0.464	0.491	0.473	0.482	0.471	0.469	0.471	3.06
58)	Fluorene	1.647	1.519	1.578	1.476	1.480	1.447	1.439	1.512	5.01
59)	2,3,4,6-Tetrac...	0.451	0.440	0.448	0.438	0.447	0.451	0.443	0.445	1.16
60)	Diethylphthalate	1.687	1.554	1.600	1.507	1.521	1.482	1.482	1.548	4.81
61)	4-Chlorophenyl...	0.969	0.850	0.904	0.828	0.839	0.819	0.821	0.861	6.44
62)	4-Nitroaniline	0.373	0.366	0.380	0.362	0.357	0.350	0.345	0.362	3.40
63)	Azobenzene	1.775	1.619	1.667	1.532	1.523	1.496	1.479	1.584	6.80
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.095	0.103	0.121	0.127	0.131	0.132	0.133	0.120	12.60
66) c	n-Nitrosodiphe...	0.558	0.558	0.562	0.554	0.548	0.542	0.535	0.551	1.77
67)	4-Bromophenyl-...	0.246	0.243	0.250	0.242	0.240	0.241	0.241	0.243	1.55
68)	Hexachlorobenzene	0.292	0.259	0.269	0.261	0.259	0.253	0.254	0.264	5.08
69)	Atrazine	0.243	0.233	0.227	0.226	0.216	0.214	0.200	0.223	6.27
70) C	Pentachlorophenol	0.101	0.118	0.134	0.138	0.140	0.144	0.129		12.80
71)	Phenanthrene	1.114	1.052	1.066	1.013	1.012	0.997	0.963	1.031	4.83
72)	Anthracene	1.091	1.037	1.042	0.999	0.989	0.967	0.948	1.010	4.89
73)	Carbazole	1.054	1.017	1.037	0.972	0.963	0.940	0.915	0.985	5.26
74)	Di-n-butylphth...	1.119	1.082	1.130	1.071	1.064	1.043	1.006	1.074	3.97
75) C	Fluoranthene	1.482	1.379	1.386	1.273	1.264	1.223	1.182	1.313	8.07
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.381	0.375	0.472	0.491	0.408	0.446	0.418	0.427	10.40
78)	Pyrene	1.334	1.334	1.420	1.369	1.329	1.323	1.259	1.338	3.65
79) S	Terphenyl-d14	1.222	1.180	1.216	1.129	1.102	1.075	1.004	1.133	7.03
80)	Butylbenzylpht...	0.427	0.428	0.472	0.481	0.480	0.489	0.477	0.465	5.58
81)	Benzo(a)anthra...	1.376	1.321	1.387	1.332	1.301	1.286	1.260	1.323	3.51
82)	3,3'-Dichlorob...	0.430	0.443	0.485	0.477	0.468	0.473	0.459	0.462	4.22
83)	Chrysene	1.340	1.276	1.308	1.248	1.220	1.209	1.179	1.254	4.57
84)	Bis(2-ethylhex...	0.588	0.582	0.650	0.683	0.665	0.672	0.673	0.645	6.50
85) c	Di-n-octyl pht...	0.969	0.993	1.097	1.123	1.124	1.131	1.128	1.081	6.42

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86)	I	Perylene-d12				-----ISTD-----							
87)		Indeno(1,2,3-c...)	1.513	1.437	1.513	1.464	1.450	1.428	1.440	1.464	2.42		
88)		Benzo(b)fluora...	1.266	1.237	1.292	1.244	1.253	1.209	1.223	1.246	2.22		
89)		Benzo(k)fluora...	1.273	1.248	1.293	1.244	1.191	1.198	1.172	1.231	3.65		
90)	C	Benzo(a)pyrene	1.082	1.030	1.091	1.058	1.047	1.032	1.030	1.053	2.41		
91)		Dibenzo(a,h)an...	1.249	1.215	1.263	1.204	1.190	1.173	1.168	1.209	3.01		
92)		Benzo(g,h,i)pe...	1.217	1.174	1.230	1.185	1.177	1.163	1.159	1.187	2.27		

(#) = Out of Range