

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG012919.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jan 29 15:41:51 2019
 Response Via : Initial Calibration

Calibration Files

2.5 =BG039310.D 10 =BG039311.D 25 =BG039312.D 40 =BG039313.D 50 =BG039314.D 60 =BG039315.D 80 =BG039316.D

Compound		2.5	10	25	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.541	0.515	0.503	0.515	0.499	0.494	0.511	3.30	
3)	Pyridine	1.194	1.325	1.478	1.418	1.446	1.311	1.301	1.353	7.32
4)	n-Nitrosodimet...	0.659	0.646	0.667	0.670	0.705	0.703	0.688	0.677	3.31
5) S	2-Fluorophenol	1.202	1.178	1.185	1.152	1.170	1.153	1.140	1.169	1.85
6)	Aniline	2.211	2.181	2.201	2.104	2.168	2.146	2.070	2.155	2.39
7) S	Phenol-d6	1.578	1.790	1.770	1.723	1.729	1.743	1.708	1.720	3.99
8)	2-Chlorophenol	1.236	1.340	1.309	1.273	1.260	1.278	1.245	1.277	2.85
9)	Benzaldehyde	1.308	1.211	1.031	0.854	0.780	0.734	0.647	0.938	26.77
10) C	Phenol	1.764	1.876	1.857	1.749	1.794	1.779	1.733	1.793	3.01
11)	bis(2-Chloroet...	1.357	1.518	1.461	1.394	1.423	1.396	1.369	1.417	3.97
12)	1,3-Dichlorobe...	1.626	1.647	1.558	1.510	1.518	1.496	1.477	1.547	4.27
13) C	1,4-Dichlorobe...	1.488	1.686	1.556	1.515	1.506	1.540	1.506	1.542	4.36
14)	1,2-Dichlorobe...	1.570	1.611	1.500	1.450	1.468	1.447	1.407	1.493	4.87
15)	Benzyl Alcohol	1.196	1.367	1.377	1.364	1.377	1.393	1.379	1.350	5.09
16)	2,2'-oxybis(1-...	3.376	3.459	3.270	3.077	3.118	3.122	2.975	3.200	5.43
17)	2-Methylphenol	1.176	1.164	1.189	1.141	1.162	1.149	1.141	1.160	1.56
18)	Hexachloroethane	0.498	0.552	0.551	0.520	0.525	0.541	0.527	0.531	3.59
19) P	n-Nitroso-di-n...	1.132	1.300	1.256	1.228	1.224	1.212	1.194	1.221	4.26
20)	3+4-Methylphenols	1.424	1.611	1.635	1.619	1.616	1.646	1.633	1.598	4.86
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.555	0.537	0.554	0.513	0.549	0.528	0.525	0.537	3.02
23) S	Nitrobenzene-d5	0.243	0.299	0.311	0.348	0.355	0.364	0.320	0.320	14.31
24)	Nitrobenzene	0.276	0.333	0.331	0.373	0.378	0.383	0.346	0.346	11.83
25)	Isophorone	0.688	0.708	0.736	0.687	0.725	0.712	0.710	0.709	2.52
26) C	2-Nitrophenol	0.083	0.104	0.120	0.141	0.151	0.163	0.127	0.127	23.85
27)	2,4-Dimethylph...	0.261	0.290	0.292	0.277	0.303	0.296	0.292	0.287	4.88
28)	bis(2-Chloroet...	0.401	0.438	0.458	0.430	0.454	0.442	0.436	0.437	4.28
29) C	2,4-Dichloroph...	0.264	0.294	0.330	0.306	0.335	0.331	0.335	0.314	8.58
30)	1,2,4-Trichlor...	0.334	0.349	0.362	0.345	0.362	0.358	0.356	0.352	2.95
31)	Naphthalene	1.032	0.997	1.031	0.944	1.000	0.973	0.968	0.992	3.31
32)	Benzoic acid	0.086	0.133	0.160	0.184	0.209	0.206	0.163	0.163	28.95
33)	4-Chloroaniline	0.431	0.470	0.479	0.444	0.472	0.462	0.462	0.460	3.65
34) C	Hexachlorobuta...	0.227	0.232	0.236	0.228	0.239	0.236	0.241	0.234	2.24
35)	Caprolactam	0.097	0.126	0.136	0.133	0.141	0.138	0.138	0.130	11.83
36) C	4-Chloro-3-met...	0.307	0.349	0.385	0.361	0.382	0.380	0.375	0.363	7.63
37)	2-Methylnaphth...	0.791	0.744	0.747	0.699	0.741	0.714	0.709	0.735	4.25
38)	1-Methylnaphth...	0.742	0.714	0.733	0.675	0.715	0.692	0.688	0.708	3.45

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.631	0.623	0.646	0.618	0.651	0.647	0.640	0.636	2.01	
41) P	Hexachlorocycl...	0.302	0.313	0.344	0.339	0.366	0.377	0.386	0.347	9.14	
42) S	2,4,6-Tribromo...		0.182	0.217	0.212	0.224	0.226	0.231	0.215	8.23	
43) C	2,4,6-Trichlor...	0.341	0.361	0.401	0.395	0.414	0.412	0.414	0.391	7.35	
44)	2,4,5-Trichlor...	0.323	0.377	0.431	0.424	0.438	0.438	0.440	0.410	10.78	
45) S	2-Fluorobiphenyl	1.568	1.448	1.459	1.330	1.355	1.323	1.277	1.394	7.29	
46)	1,1'-Biphenyl	1.876	1.665	1.692	1.579	1.641	1.613	1.583	1.664	6.13	
47)	2-Chloronaphth...	1.389	1.257	1.258	1.199	1.238	1.212	1.209	1.252	5.18	
48)	2-Nitroaniline		0.189	0.271	0.312	0.360	0.377	0.398	0.318	24.58	
49)	Acenaphthylene	1.962	1.946	1.990	1.819	1.870	1.845	1.790	1.889	4.08	
50)	Dimethylphthalate	1.705	1.641	1.698	1.555	1.604	1.575	1.529	1.615	4.26	
51)	2,6-Dinitrotol...		0.172	0.249	0.276	0.303	0.315	0.324	0.273	20.74	
52) C	Acenaphthene	1.278	1.221	1.276	1.201	1.248	1.193	1.166	1.226	3.50	
53)	3-Nitroaniline		0.202	0.277	0.295	0.332	0.341	0.344	0.298	18.26	
54) P	2,4-Dinitrophenol		0.071	0.086	0.095	0.109	0.120	0.133	0.102	22.09	
55)	Dibenzofuran	2.135	2.010	2.030	1.878	1.947	1.915	1.846	1.966	5.07	
56) P	4-Nitrophenol		0.172	0.238	0.251	0.278	0.290	0.293	0.254	17.95	
57)	2,4-Dinitrotol...		0.205	0.309	0.340	0.380	0.405	0.426	0.344	23.41	
58)	Fluorene	1.575	1.547	1.531	1.411	1.421	1.408	1.364	1.465	5.68	
59)	2,3,4,6-Tetrac...	0.294	0.357	0.413	0.390	0.410	0.414	0.410	0.384	11.62	
60)	Diethylphthalate	1.777	1.727	1.754	1.592	1.642	1.627	1.573	1.670	4.88	
61)	4-Chlorophenyl...	0.885	0.862	0.853	0.786	0.818	0.808	0.796	0.830	4.47	
62)	4-Nitroaniline		0.223	0.317	0.315	0.345	0.348	0.352	0.317	15.35	
63)	Azobenzene	1.733	1.696	1.708	1.558	1.620	1.573	1.539	1.632	4.87	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.045	0.058	0.069	0.082	0.089	0.098	0.074	27.24	
66) c	n-Nitrosodiphe...	0.621	0.628	0.622	0.584	0.610	0.602	0.590	0.608	2.75	
67)	4-Bromophenyl-...	0.219	0.223	0.224	0.213	0.223	0.226	0.226	0.222	2.14	
68)	Hexachlorobenzene	0.220	0.215	0.229	0.212	0.226	0.226	0.231	0.223	3.17	
69)	Atrazine	0.252	0.242	0.247	0.218	0.216	0.205	0.175	0.222	12.34	
70) C	Pentachlorophenol		0.124	0.150	0.154	0.165	0.168	0.167	0.155	10.86	
71)	Phenanthrene	1.132	1.087	1.071	0.984	1.018	0.996	0.958	1.035	6.08	
72)	Anthracene	1.094	1.061	1.063	0.972	1.006	0.990	0.951	1.020	5.26	
73)	Carbazole	1.113	1.080	1.076	0.964	0.984	0.970	0.935	1.018	6.89	
74)	Di-n-butylphth...	1.291	1.249	1.264	1.134	1.165	1.128	1.079	1.187	6.79	
75) C	Fluoranthene	1.344	1.289	1.275	1.127	1.164	1.129	1.082	1.201	8.31	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.830	0.704	0.613	0.621	0.556	0.610		0.656	14.91	
78)	Pyrene	1.291	1.282	1.292	1.202	1.245	1.222	1.181	1.245	3.61	
79) S	Terphenyl-d14	1.055	1.025	1.002	0.903	0.913	0.888	0.829	0.945	8.78	
80)	Butylbenzylpht...	0.485	0.492	0.542	0.521	0.545	0.551	0.542	0.525	5.13	
81)	Benzo(a)anthra...	1.242	1.192	1.222	1.135	1.171	1.174	1.137	1.182	3.39	
82)	3,3'-Dichlorob...	0.455	0.443	0.460	0.429	0.432	0.434	0.415	0.438	3.58	
83)	Chrysene	1.156	1.137	1.166	1.091	1.120	1.117	1.088	1.125	2.67	
84)	Bis(2-ethylhex...	0.731	0.738	0.776	0.737	0.757	0.758	0.749	0.749	2.09	
85) c	Di-n-octyl pht...	1.186	1.203	1.276	1.226	1.268	1.262	1.243	1.238	2.76	
86)	Indeno(1,2,3-c...	1.150	1.148	1.234	1.186	1.233	1.242	1.257	1.207	3.75	

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87) I	Perylene-d12										
88)	Benzo(b)fluora...	1.124	1.088	1.106	1.069	1.091	1.084	1.073	1.091		1.75
89)	Benzo(k)fluora...	1.171	1.125	1.123	1.048	1.098	1.071	1.030	1.095		4.49
90) C	Benzo(a)pyrene	1.066	1.051	1.075	1.023	1.058	1.047	1.033	1.050		1.73
91)	Dibenzo(a,h)an...	1.007	0.987	1.004	0.948	0.990	0.977	0.973	0.984		2.07
92)	Benzo(g,h,i)pe...	0.984	0.954	0.992	0.955	1.004	0.990	0.985	0.981		1.94

(#) = Out of Range