

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG041918.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Apr 19 13:56:22 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BG033861.D 10 =BG033862.D 25 =BG033863.D 40 =BG033864.D 50 =BG033865.D 60 =BG033866.D 80 =BG033867.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.603	0.577	0.517	0.511	0.509	0.505	0.484	0.529	8.20
3)	Pyridine	1.478	1.439	1.541	1.647	1.569	1.622	1.425	1.532	5.70
4)	n-Nitrosodimet...	0.731	0.653	0.697	0.688	0.726	0.692	0.698		4.08
5) S	2-Fluorophenol	1.261	1.292	1.251	1.276	1.229	1.247	1.213	1.253	2.14
6)	Aniline	2.326	2.367	2.469	2.576	2.447	2.492	2.420	2.442	3.37
7) S	Phenol-d6	1.739	1.824	1.845	1.905	1.839	1.841	1.796	1.827	2.77
8)	2-Chlorophenol	1.440	1.405	1.403	1.442	1.378	1.393	1.366	1.404	2.05
9)	Benzaldehyde	1.321	1.227	1.104	0.995	0.859	0.795	0.674	0.996	23.67
10) C	Phenol	1.800	1.903	1.900	1.932	1.867	1.887	1.813	1.872	2.61
11)	bis(2-Chloroet...	1.435	1.427	1.421	1.498	1.402	1.447	1.392	1.432	2.44
12)	1,3-Dichlorobe...	1.569	1.678	1.622	1.683	1.588	1.608	1.562	1.616	3.03
13) C	1,4-Dichlorobe...	1.641	1.740	1.597	1.690	1.593	1.604	1.592	1.637	3.55
14)	1,2-Dichlorobe...	1.586	1.662	1.575	1.638	1.561	1.587	1.533	1.592	2.79
15)	Benzyl Alcohol	1.513	1.532	1.610	1.651	1.604	1.640	1.603	1.593	3.27
16)	2,2'-oxybis(1-...	2.775	2.832	2.763	2.913	2.761	2.802	2.700	2.792	2.40
17)	2-Methylphenol	1.400	1.345	1.398	1.424	1.382	1.396	1.366	1.387	1.86
18)	Hexachloroethane	0.615	0.616	0.587	0.607	0.589	0.587	0.586	0.598	2.34
19) P	n-Nitroso-di-n...	1.541	1.491	1.593	1.636	1.551	1.575	1.516	1.557	3.12
20)	3+4-Methylphenols	1.953	1.998	2.029	2.085	2.009	2.047	1.988	2.015	2.12
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.586	0.551	0.532	0.543	0.541	0.533	0.524	0.544	3.77
23) S	Nitrobenzene-d5	0.353	0.330	0.339	0.353	0.358	0.362	0.364	0.351	3.50
24)	Nitrobenzene	0.364	0.372	0.373	0.393	0.385	0.396	0.397	0.383	3.47
25)	Isophorone	0.791	0.799	0.787	0.797	0.797	0.785	0.775	0.790	1.07
26) C	2-Nitrophenol	0.133	0.138	0.151	0.159	0.159	0.169	0.151		9.10
27)	2,4-Dimethylph...	0.277	0.294	0.277	0.289	0.278	0.283	0.283	0.283	2.37
28)	bis(2-Chloroet...	0.410	0.427	0.416	0.421	0.416	0.420	0.413	0.418	1.35
29) C	2,4-Dichloroph...	0.307	0.308	0.311	0.323	0.316	0.325	0.319	0.316	2.20
30)	1,2,4-Trichlor...	0.350	0.362	0.349	0.354	0.352	0.354	0.352	0.353	1.25
31)	Naphthalene	1.085	1.050	1.014	1.031	1.010	1.013	0.995	1.028	2.96
32)	Benzoic acid	0.187	0.246	0.272	0.275	0.292	0.298	0.262		15.68
33)	4-Chloroaniline	0.475	0.483	0.484	0.494	0.483	0.488	0.477	0.483	1.30
34) C	Hexachlorobuta...	0.184	0.208	0.224	0.216	0.215	0.221	0.211		6.86
35)	Caprolactam	0.141	0.135	0.134	0.135	0.133	0.127	0.134		3.45
36) C	4-Chloro-3-met...	0.407	0.387	0.380	0.388	0.382	0.381	0.371	0.385	2.87
37)	2-Methylnaphth...	0.794	0.802	0.785	0.793	0.786	0.786	0.767	0.787	1.40

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.709	0.652	0.640	0.654	0.668	0.660	0.665	0.664	3.31
40) P	Hexachlorocycl...	0.345	0.355	0.347	0.371	0.379	0.379	0.381	0.365	4.35
41) S	2,4,6-Tribromo...	0.228	0.240	0.236	0.243	0.206	0.242	0.240	0.233	5.66
42) C	2,4,6-Trichlor...	0.413	0.409	0.399	0.403	0.412	0.400	0.399	0.405	1.51
43)	2,4,5-Trichlor...	0.462	0.474	0.464	0.465	0.474	0.467	0.453	0.466	1.59
44) S	2-Fluorobiphenyl	1.494	1.401	1.353	1.353	1.350	1.307	1.273	1.361	5.22
45)	1,1'-Biphenyl	1.702	1.666	1.583	1.601	1.624	1.596	1.562	1.619	3.03
46)	2-Chloronaphth...	1.302	1.242	1.199	1.212	1.231	1.213	1.195	1.228	2.99
47)	2-Nitroaniline		0.331	0.362	0.385	0.400	0.411	0.411	0.383	8.29
48)	Acenaphthylene	2.163	2.093	2.032	2.027	2.047	1.986	1.935	2.041	3.60
49)	Dimethylphthalate	1.916	1.842	1.759	1.740	1.732	1.689	1.637	1.759	5.31
50)	2,6-Dinitrotol...		0.292	0.322	0.338	0.344	0.351	0.353	0.333	6.99
51) C	Acenaphthene	1.296	1.297	1.279	1.303	1.324	1.255	1.219	1.282	2.73
52)	3-Nitroaniline	0.283	0.338	0.359	0.382	0.398	0.392	0.382	0.362	11.17
53) P	2,4-Dinitrophenol		0.100	0.106	0.117	0.126	0.130	0.135	0.119	11.50
54)	Dibenzofuran	2.032	1.982	1.910	1.873	1.895	1.834	1.777	1.900	4.53
55) P	4-Nitrophenol	0.232	0.267	0.281	0.302	0.306	0.304	0.296	0.284	9.50
56)	2,4-Dinitrotol...		0.375	0.419	0.448	0.476	0.472	0.470	0.443	8.91
57)	Fluorene	1.764	1.733	1.638	1.629	1.636	1.583	1.530	1.645	4.94
58)	2,3,4,6-Tetrac...	0.369	0.437	0.440	0.446	0.448	0.422	0.422	0.426	6.36
59)	Diethylphthalate	2.025	2.001	1.866	1.837	1.834	1.755	1.698	1.860	6.42
60)	4-Chlorophenyl...	0.930	0.882	0.853	0.841	0.853	0.846	0.816	0.860	4.21
61)	4-Nitroaniline	0.337	0.375	0.386	0.398	0.410	0.399	0.385	0.384	6.16
62)	Azobenzene	1.774	1.753	1.661	1.638	1.647	1.588	1.542	1.658	5.01
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.067	0.075	0.091	0.095	0.098	0.105	0.088	16.48
65) c	n-Nitrosodiphe...	0.590	0.586	0.572	0.577	0.589	0.580	0.575	0.581	1.18
66)	4-Bromophenyl-...	0.221	0.212	0.213	0.220	0.223	0.223	0.225	0.220	2.23
67)	Hexachlorobenzene	0.242	0.229	0.228	0.236	0.235	0.236	0.234	0.234	1.96
68)	Atrazine		0.260	0.236	0.227	0.217	0.198		0.228	10.10
69) C	Pentachlorophenol		0.153	0.159	0.164	0.168	0.161	0.159	0.161	3.20
70)	Phenanthrene	1.152	1.122	1.071	1.074	1.061	1.033	0.999	1.073	4.78
71)	Anthracene	1.131	1.118	1.072	1.082	1.068	1.030	1.009	1.073	4.06
72)	Carbazole	1.139	1.117	1.033	1.023	1.011	0.973	0.950	1.035	6.75
73)	Di-n-butylphth...	1.425	1.394	1.305	1.280	1.256	1.195	1.160	1.288	7.54
74) C	Fluoranthene	1.455	1.426	1.297	1.287	1.256	1.203	1.162	1.298	8.35
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.617	0.565	0.537	0.523	0.513	0.486	0.540	8.52
77)	Pyrene	1.356	1.386	1.330	1.329	1.313	1.271	1.197	1.312	4.71
78) S	Terphenyl-d14	0.955	0.965	0.920	0.895	0.879	0.840	0.777	0.890	7.42
79)	Butylbenzylphth...	0.565	0.590	0.569	0.581	0.588	0.577	0.562	0.576	1.90
80)	Benzo(a)anthra...	1.329	1.327	1.255	1.263	1.256	1.224	1.175	1.261	4.33
81)	3,3'-Dichlorob...	0.471	0.490	0.470	0.477	0.477	0.463	0.443	0.470	3.07
82)	Chrysene	1.251	1.256	1.193	1.209	1.209	1.179	1.134	1.204	3.51

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83)	Bis(2-ethylhex...	0.803	0.828	0.811	0.827	0.827	0.816	0.784	0.814	2.00
84) c	Di-n-octyl pht...	1.220	1.292	1.301	1.325	1.332	1.304	1.265	1.291	2.98
85)	Indeno(1,2,3-c...	1.273	1.348	1.337	1.401	1.420	1.412	1.405	1.371	3.94

86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.233	1.242	1.229	1.221	1.208	1.215	1.194	1.220	1.34
88)	Benzo(k)fluora...	1.236	1.252	1.219	1.215	1.207	1.176	1.179	1.212	2.29
89) C	Benzo(a)pyrene	1.174	1.184	1.163	1.175	1.171	1.156	1.157	1.169	0.86
90)	Dibenzo(a,h)an...	1.123	1.138	1.118	1.135	1.128	1.137	1.135	1.131	0.69
91)	Benzo(g,h,i)pe...	1.098	1.111	1.103	1.121	1.118	1.111	1.127	1.113	0.91

(#) = Out of Range