

Method Path : Z:\HPCHEM1\BNA G\Methods\
 Method File : 8270-BG060718.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jun 07 13:13:20 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BG034944.D 10 =BG034945.D 25 =BG034946.D 40 =BG034947.D 50 =BG034948.D 60 =BG034949.D 80 =BG034950.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.638	0.544	0.564	0.562	0.530	0.575	0.545	0.565	6.26
3)	Pyridine	1.333	1.578	1.629	1.565	1.556	1.493	1.526		6.82
4)	n-Nitrosodimet...	0.594	0.612	0.696	0.667	0.686	0.679	0.655		6.47
5) S	2-Fluorophenol	1.130	1.203	1.217	1.214	1.161	1.223	1.147	1.185	3.22
6)	Aniline	2.260	2.201	2.395	2.303	2.187	2.313	2.169	2.261	3.60
7) S	Phenol-d6	1.703	1.725	1.813	1.804	1.733	1.787	1.678	1.749	3.01
8)	2-Chlorophenol	1.314	1.225	1.287	1.281	1.194	1.249	1.146	1.242	4.72
9)	Benzaldehyde	1.228	1.475	1.442	1.422	1.293	1.349	1.223	1.347	7.62
10) C	Phenol	1.889	1.767	1.836	1.847	1.762	1.860	1.709	1.810	3.57
11)	bis(2-Chloroet...	1.526	1.403	1.409	1.426	1.363	1.384	1.324	1.405	4.50
12)	1,3-Dichlorobe...	1.601	1.450	1.511	1.464	1.433	1.516	1.400	1.482	4.49
13) C	1,4-Dichlorobe...	1.626	1.513	1.575	1.549	1.469	1.528	1.450	1.530	3.98
14)	1,2-Dichlorobe...	1.555	1.419	1.429	1.465	1.383	1.453	1.356	1.437	4.46
15)	Benzyl Alcohol	1.574	1.615	1.716	1.700	1.673	1.718	1.605	1.657	3.54
16)	2,2'-oxybis(1-...	1.459	1.389	1.444	1.402	1.354	1.409	1.332	1.398	3.24
17)	2-Methylphenol	1.122	1.169	1.196	1.251	1.167	1.263	1.187	1.193	4.12
18)	Hexachloroethane	0.488	0.533	0.579	0.569	0.545	0.582	0.538	0.548	6.02
19) P	n-Nitroso-di-n...	1.610	1.476	1.519	1.525	1.397	1.479	1.396	1.486	5.06
20)	3+4-Methylphenols	1.689	1.701	1.737	1.756	1.669	1.748	1.674	1.711	2.11
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.636	0.605	0.627	0.627	0.618	0.624	0.600	0.620	2.05
23) S	Nitrobenzene-d5	0.360	0.369	0.416	0.445	0.442	0.458	0.454	0.421	9.67
24)	Nitrobenzene	0.351	0.401	0.432	0.452	0.456	0.472	0.453	0.431	9.73
25)	Isophorone	0.904	0.907	0.882	0.900	0.882	0.875	0.868	0.888	1.72
26) C	2-Nitrophenol	0.114	0.133	0.150	0.165	0.164	0.165	0.149		14.25
27)	2,4-Dimethylph...	0.347	0.309	0.302	0.312	0.306	0.307	0.301	0.312	5.07
28)	bis(2-Chloroet...	0.446	0.480	0.503	0.485	0.481	0.477	0.470	0.477	3.60
29) C	2,4-Dichloroph...	0.326	0.336	0.343	0.350	0.342	0.341	0.339	0.340	2.16
30)	1,2,4-Trichlor...	0.404	0.387	0.415	0.424	0.412	0.409	0.399	0.407	2.96
31)	Naphthalene	1.015	1.071	1.049	1.050	1.038	1.040	1.009	1.039	2.06
32)	Benzoic acid	0.156	0.191	0.211	0.226	0.233	0.237	0.209		14.79
33)	4-Chloroaniline	0.444	0.444	0.458	0.463	0.459	0.449	0.440	0.451	1.98
34) C	Hexachlorobuta...	0.323	0.315	0.319	0.321	0.317	0.313	0.311	0.317	1.35
35)	Caprolactam	0.126	0.132	0.126	0.126	0.123	0.120	0.126		3.40
36) C	4-Chloro-3-met...	0.391	0.431	0.428	0.433	0.428	0.432	0.421	0.423	3.49
37)	2-Methylnaphth...	0.789	0.799	0.790	0.811	0.783	0.783	0.758	0.788	2.08

Method Path : Z:\HPCHEM1\BNA G\Methods\
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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.688	0.767	0.743	0.770	0.763	0.757	0.728	0.745	3.91
40) P	Hexachlorocycl...	0.404	0.467	0.461	0.495	0.481	0.485	0.477	0.467	6.38
41) S	2,4,6-Tribromo...	0.242	0.234	0.259	0.262	0.267	0.271	0.258	0.256	5.23
42) C	2,4,6-Trichlor...	0.395	0.461	0.439	0.467	0.452	0.466	0.443	0.446	5.60
43)	2,4,5-Trichlor...	0.495	0.480	0.498	0.495	0.497	0.487	0.475	0.490	1.86
44) S	2-Fluorobiphenyl	1.610	1.598	1.538	1.555	1.520	1.523	1.425	1.538	3.97
45)	1,1'-Biphenyl	1.659	1.647	1.601	1.641	1.600	1.580	1.529	1.608	2.84
46)	2-Chloronaphth...	1.265	1.230	1.221	1.218	1.205	1.216	1.155	1.216	2.69
47)	2-Nitroaniline		0.281	0.327	0.365	0.391	0.400	0.391	0.359	12.96
48)	Acenaphthylene	2.076	2.090	2.081	2.067	2.023	2.022	1.913	2.039	3.02
49)	Dimethylphthalate	1.875	1.822	1.744	1.753	1.711	1.695	1.609	1.744	4.97
50)	2,6-Dinitrotol...		0.262	0.314	0.331	0.332	0.338	0.331	0.318	9.04
51) C	Acenaphthene	1.340	1.361	1.297	1.364	1.339	1.339	1.285	1.332	2.29
52)	3-Nitroaniline	0.242	0.273	0.325	0.335	0.336	0.349	0.326	0.312	12.64
53) P	2,4-Dinitrophenol	0.096	0.114	0.122	0.135	0.139	0.147	0.148	0.129	14.73
54)	Dibenzofuran	2.111	2.035	1.975	2.035	1.984	1.976	1.850	1.995	4.02
55) P	4-Nitrophenol		0.223	0.249	0.284	0.278	0.283	0.265	0.263	9.02
56)	2,4-Dinitrotol...		0.322	0.401	0.441	0.456	0.467	0.450	0.423	12.89
57)	Fluorene	1.734	1.749	1.675	1.707	1.645	1.629	1.533	1.667	4.41
58)	2,3,4,6-Tetrac...	0.433	0.483	0.477	0.489	0.487	0.486	0.474	0.476	4.14
59)	Diethylphthalate	1.861	1.874	1.818	1.787	1.740	1.747	1.630	1.779	4.70
60)	4-Chlorophenyl...	0.983	0.977	0.939	0.956	0.942	0.954	0.904	0.951	2.75
61)	4-Nitroaniline	0.267	0.308	0.353	0.357	0.356	0.361	0.341	0.335	10.48
62)	Azobenzene	1.886	1.827	1.737	1.758	1.709	1.690	1.598	1.744	5.37
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.070	0.082	0.093	0.097	0.102	0.104	0.091	14.43
65) c	n-Nitrosodiphe...	0.595	0.625	0.598	0.621	0.595	0.592	0.580	0.601	2.68
66)	4-Bromophenyl-...	0.248	0.243	0.239	0.243	0.238	0.236	0.238	0.241	1.65
67)	Hexachlorobenzene	0.258	0.246	0.242	0.246	0.245	0.242	0.237	0.245	2.61
68)	Atrazine	0.250	0.263	0.265	0.263	0.253	0.252	0.247	0.256	2.86
69) C	Pentachlorophenol	0.128	0.153	0.164	0.172	0.178	0.179	0.179	0.165	11.38
70)	Phenanthrene	1.036	1.043	1.020	1.039	1.016	0.992	0.966	1.016	2.76
71)	Anthracene	1.046	1.025	1.029	1.050	1.012	0.994	0.968	1.018	2.85
72)	Carbazole	0.988	0.961	0.951	0.972	0.936	0.915	0.885	0.944	3.76
73)	Di-n-butylphth...	1.143	1.167	1.162	1.157	1.106	1.089	1.054	1.125	3.84
74) C	Fluoranthene	1.360	1.360	1.367	1.363	1.300	1.271	1.233	1.322	4.10
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.778	0.762	0.744	0.764	0.730	0.731	0.699	0.744	3.58
77)	Pvrene	1.373	1.347	1.329	1.330	1.310	1.293	1.248	1.318	3.05
78) S	Terphenyl-d14	0.981	0.980	0.973	0.974	0.952	0.934	0.890	0.955	3.51
79)	Butylbenzylphth...	0.430	0.450	0.484	0.503	0.498	0.497	0.490	0.479	5.75
80)	Benzo(a)anthra...	1.322	1.306	1.265	1.286	1.270	1.254	1.244	1.278	2.21
81)	3,3'-Dichlorob...	0.438	0.470	0.492	0.500	0.496	0.491	0.479	0.481	4.49
82)	Chrysene	1.176	1.180	1.167	1.180	1.175	1.169	1.145	1.170	1.03

Method Path : Z:\HPCHEM1\BNA G\Methods\
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83)	Bis(2-ethylhex...	0.629	0.655	0.696	0.696	0.690	0.689	0.679	0.676	3.71
84) c	Di-n-octyl pht...	1.067	1.106	1.171	1.203	1.193	1.197	1.187	1.161	4.55
85)	Indeno(1,2,3-c...	1.276	1.306	1.374	1.399	1.411	1.414	1.413	1.370	4.15
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.162	1.210	1.232	1.266	1.246	1.266	1.239	1.232	2.96
88)	Benzo(k)fluora...	1.217	1.216	1.217	1.183	1.229	1.209	1.162	1.205	1.95
89) C	Benzo(a)pyrene	1.086	1.153	1.167	1.172	1.191	1.191	1.153	1.159	3.09
90)	Dibenzo(a,h)an...	1.117	1.154	1.157	1.148	1.156	1.156	1.122	1.144	1.52
91)	Benzo(g,h,i)pe...	1.042	1.128	1.116	1.129	1.140	1.151	1.132	1.120	3.21

(#) = Out of Range