

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG021116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Feb 11 15:26:53 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BG020850.D 10 =BG020851.D 25 =BG020852.D 40 =BG020853.D 50 =BG020854.D 60 =BG020855.D 80 =BG020856.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.457	0.467	0.416	0.422	0.423	0.412	0.425	0.432	5.00
3)	Pyridine	1.097	1.259	1.283	1.325	1.335	1.327	1.315	1.277	6.56
4)	n-Nitrosodimet...	0.262	0.330	0.339	0.343	0.356	0.360	0.349	0.334	10.00
5) S	2-Fluorophenol	1.181	1.177	1.162	1.197	1.213	1.194	1.189	1.188	1.36
6)	Aniline	2.113	2.080	2.174	2.194	2.257	2.223	2.110	2.164	3.02
7) S	Phenol-d6	1.640	1.683	1.760	1.760	1.802	1.787	1.720	1.736	3.36
8)	2-Chlorophenol	1.503	1.469	1.473	1.489	1.512	1.494	1.447	1.484	1.51
9)	Benzaldehyde	1.013	0.988	0.942	0.878	0.835	0.791	0.639	0.869	14.89
10) C	Phenol	1.811	1.800	1.863	1.847	1.892	1.868	1.778	1.837	2.25
11)	bis(2-Chloroet...	1.431	1.458	1.479	1.502	1.489	1.474	1.438	1.467	1.78
12)	1,3-Dichlorobe...	1.604	1.570	1.545	1.564	1.589	1.574	1.534	1.569	1.54
13) C	1,4-Dichlorobe...	1.542	1.602	1.597	1.605	1.629	1.597	1.561	1.590	1.84
14)	1,2-Dichlorobe...	1.524	1.552	1.547	1.566	1.575	1.555	1.511	1.547	1.47
15)	Benzyl Alcohol	1.058	1.043	1.119	1.111	1.136	1.133	1.060	1.094	3.58
16)	2,2'-oxybis(1-...	1.534	1.536	1.554	1.541	1.536	1.544	1.469	1.530	1.82
17)	2-Methylphenol	1.321	1.270	1.350	1.332	1.357	1.355	1.279	1.323	2.71
18)	Hexachloroethane	0.498	0.555	0.548	0.553	0.570	0.554	0.550	0.547	4.17
19) P	n-Nitroso-di-n...	1.085	1.080	1.148	1.122	1.157	1.165	1.082	1.120	3.34
20)	3+4-Methylphenols	1.852	1.765	1.868	1.840	1.908	1.895	1.782	1.844	2.92
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.467	0.485	0.483	0.490	0.481	0.488	0.481	0.482	1.54
23) S	Nitrobenzene-d5	0.290	0.303	0.308	0.309	0.305	0.308	0.306	0.304	2.16
24)	Nitrobenzene	0.309	0.323	0.320	0.318	0.317	0.318	0.314	0.317	1.36
25)	Isophorone	0.607	0.644	0.647	0.652	0.649	0.656	0.634	0.641	2.57
26) C	2-Nitrophenol	0.129	0.157	0.170	0.176	0.177	0.181	0.178	0.167	11.08
27)	2,4-Dimethylph...	0.305	0.308	0.326	0.331	0.320	0.328	0.321	0.320	3.08
28)	bis(2-Chloroet...	0.384	0.400	0.399	0.399	0.393	0.400	0.391	0.395	1.47
29) C	2,4-Dichloroph...	0.272	0.287	0.290	0.287	0.290	0.293	0.287	0.287	2.45
30)	1,2,4-Trichlor...	0.277	0.292	0.289	0.291	0.293	0.290	0.289	0.289	1.82
31)	Naphthalene	1.034	1.057	1.042	1.040	1.035	1.030	1.005	1.035	1.50
32)	Benzoic acid		0.217	0.241	0.254	0.272	0.280	0.276	0.256	9.47
33)	4-Chloroaniline	0.435	0.445	0.451	0.447	0.449	0.453	0.436	0.445	1.62
34) C	Hexachlorobuta...	0.139	0.151	0.148	0.148	0.148	0.146	0.150	0.147	2.62
35)	Caprolactam	0.096	0.115	0.113	0.110	0.113	0.114	0.108	0.110	5.82
36) C	4-Chloro-3-met...	0.318	0.333	0.338	0.328	0.332	0.335	0.315	0.328	2.74
37)	2-Methylnaphth...	0.737	0.723	0.737	0.722	0.730	0.731	0.701	0.726	1.70

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.571	0.573	0.585	0.593	0.592	0.586	0.608	0.587	2.15
40) P	Hexachlorocycl...		0.214	0.244	0.268	0.260	0.265	0.297	0.258	10.64
41) S	2,4,6-Tribromo...	0.166	0.196	0.198	0.198	0.206	0.202	0.212	0.197	7.47
42) C	2,4,6-Trichlor...	0.341	0.390	0.392	0.407	0.410	0.408	0.410	0.394	6.28
43)	2,4,5-Trichlor...	0.379	0.402	0.418	0.420	0.429	0.424	0.430	0.414	4.44
44) S	2-Fluorobiphenyl	1.374	1.400	1.430	1.443	1.445	1.427	1.448	1.424	1.92
45)	1,1'-Biphenyl	1.727	1.747	1.778	1.779	1.771	1.770	1.779	1.764	1.13
46)	2-Chloronaphth...	1.264	1.252	1.263	1.266	1.272	1.263	1.262	1.263	0.46
47)	2-Nitroaniline	0.270	0.294	0.312	0.308	0.314	0.311	0.308	0.303	5.28
48)	Acenaphthylene	2.110	2.199	2.225	2.210	2.237	2.210	2.185	2.196	1.90
49)	Dimethylphthalate	1.500	1.568	1.580	1.581	1.577	1.575	1.567	1.564	1.85
50)	2,6-Dinitrotol...	0.304	0.331	0.336	0.340	0.348	0.342	0.344	0.335	4.38
51) C	Acenaphthene	1.263	1.318	1.329	1.341	1.360	1.352	1.359	1.332	2.55
52)	3-Nitroaniline	0.333	0.392	0.399	0.395	0.405	0.401	0.399	0.389	6.43
53) P	2,4-Dinitrophenol		0.073	0.102	0.117	0.127	0.131	0.149	0.116	22.85
54)	Dibenzofuran	1.740	1.791	1.793	1.749	1.777	1.757	1.726	1.762	1.47
55) P	4-Nitrophenol	0.215	0.273	0.308	0.305	0.316	0.314	0.327	0.294	13.13
56)	2,4-Dinitrotol...	0.351	0.417	0.436	0.447	0.458	0.458	0.466	0.433	9.20
57)	Fluorene	1.554	1.645	1.641	1.620	1.651	1.624	1.620	1.622	2.01
58)	2,3,4,6-Tetrac...	0.292	0.305	0.319	0.318	0.328	0.322	0.324	0.316	3.99
59)	Diethylphthalate	1.565	1.608	1.648	1.604	1.630	1.600	1.599	1.608	1.62
60)	4-Chlorophenyl...	0.723	0.715	0.719	0.706	0.725	0.727	0.728	0.720	1.11
61)	4-Nitroaniline	0.315	0.393	0.405	0.397	0.411	0.403	0.411	0.391	8.72
62)	Azobenzene	1.256	1.298	1.285	1.265	1.260	1.247	1.237	1.264	1.69
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.066	0.087	0.096	0.100	0.105	0.108	0.094	16.61
65) c	n-Nitrosodiphe...	0.608	0.627	0.659	0.661	0.662	0.666	0.640	0.646	3.40
66)	4-Bromophenyl-...	0.202	0.206	0.210	0.216	0.217	0.217	0.212	0.211	2.83
67)	Hexachlorobenzene	0.219	0.218	0.225	0.226	0.229	0.230	0.226	0.225	2.17
68)	Atrazine	0.181	0.199	0.203	0.197	0.199	0.200	0.193	0.196	3.67
69) C	Pentachlorophenol		0.103	0.127	0.130	0.135	0.138	0.141	0.129	10.75
70)	Phenanthrene	1.132	1.121	1.154	1.146	1.152	1.150	1.116	1.139	1.37
71)	Anthracene	1.148	1.142	1.170	1.167	1.159	1.160	1.144	1.156	0.96
72)	Carbazole	1.010	1.028	1.047	1.048	1.045	1.049	1.032	1.037	1.39
73)	Di-n-butylphth...	1.258	1.309	1.348	1.348	1.351	1.357	1.338	1.330	2.66
74) C	Fluoranthene	1.183	1.210	1.233	1.242	1.248	1.253	1.242	1.230	2.02
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.589	0.670	0.680	0.669	0.618	0.700	0.601	0.647	6.73
77)	Pyrene	1.302	1.305	1.327	1.319	1.339	1.339	1.304	1.319	1.24
78) S	Terphenyl-d14	0.816	0.840	0.867	0.863	0.876	0.881	0.859	0.857	2.63
79)	Butylbenzylphth...	0.584	0.600	0.633	0.644	0.650	0.661	0.649	0.632	4.55
80)	Benzo(a)anthra...	1.186	1.184	1.196	1.190	1.201	1.215	1.184	1.194	0.96
81)	3,3'-Dichlorob...	0.407	0.427	0.458	0.448	0.460	0.460	0.443	0.443	4.50
82)	Chrysene	1.091	1.124	1.131	1.124	1.137	1.141	1.113	1.123	1.50

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83)	Bis(2-ethylhex...	0.873	0.902	0.935	0.947	0.961	0.980	0.957	0.936	3.95
84) c	Di-n-octyl pht...	1.454	1.505	1.542	1.567	1.567	1.578	1.546	1.537	2.84
85)	Indeno(1,2,3-c...	1.176	1.250	1.304	1.307	1.328	1.343	1.330	1.291	4.56
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.176	1.188	1.236	1.231	1.239	1.254	1.244	1.224	2.43
88)	Benzo(k)fluora...	1.172	1.188	1.187	1.196	1.207	1.227	1.218	1.199	1.59
89) C	Benzo(a)pyrene	1.106	1.127	1.172	1.170	1.184	1.206	1.198	1.166	3.15
90)	Dibenzo(a,h)an...	1.061	1.121	1.147	1.133	1.154	1.163	1.159	1.134	3.11
91)	Benzo(g,h,i)pe...	1.060	1.104	1.135	1.130	1.147	1.150	1.153	1.126	2.96

(#) = Out of Range