

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG071715.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Jul 18 01:50:30 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BG017919.D 10 =BG017920.D 25 =BG017921.D 40 =BG017922.D 50 =BG017923.D 60 =BG017924.D 80 =BG017925.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.571	0.501	0.509	0.474	0.449	0.490	0.532	0.504	7.86
3)	Pyridine	1.147	1.250	1.407	1.357	1.291	1.423	1.551	1.347	9.75
4)	n-Nitrosodimet...	0.557	0.433	0.512	0.491	0.472	0.527	0.587	0.511	10.14
5) S	2-Fluorophenol	1.079	1.104	1.196	1.126	1.074	1.178	1.269	1.146	6.21
6)	Aniline	1.915	1.947	2.059	1.942	1.888	2.045	2.224	2.003	5.81
7) S	Phenol-d6	1.435	1.456	1.564	1.459	1.411	1.547	1.643	1.502	5.59
8)	2-Chlorophenol	1.294	1.299	1.391	1.303	1.271	1.382	1.522	1.352	6.53
9)	Benzaldehyde	1.008	1.021	1.036	0.890	0.832	0.841	0.815	0.920	10.62
10) C	Phenol	1.542	1.564	1.639	1.544	1.512	1.639	1.781	1.603	5.78
11)	bis(2-Chloroet...	1.244	1.216	1.278	1.205	1.174	1.284	1.376	1.254	5.31
12)	1,3-Dichlorobe...	1.525	1.471	1.481	1.427	1.366	1.497	1.622	1.484	5.39
13) C	1,4-Dichlorobe...	1.572	1.500	1.537	1.460	1.401	1.519	1.660	1.521	5.41
14)	1,2-Dichlorobe...	1.566	1.423	1.472	1.378	1.330	1.454	1.552	1.454	5.92
15)	Benzyl Alcohol	1.023	1.031	1.131	1.073	1.068	1.168	1.282	1.111	8.25
16)	2,2'-oxybis(1-...	1.701	1.459	1.532	1.414	1.374	1.501	1.593	1.511	7.37
17)	2-Methylphenol	1.044	1.115	1.140	1.077	1.063	1.144	1.240	1.118	5.92
18)	Hexachloroethane	0.604	0.543	0.573	0.553	0.524	0.585	0.640	0.575	6.83
19) P	n-Nitroso-di-n...	1.030	1.089	1.131	1.057	1.027	1.118	1.226	1.097	6.38
20)	3+4-Methylphenols	1.381	1.445	1.556	1.481	1.446	1.572	1.708	1.513	7.19
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.430	0.423	0.441	0.414	0.406	0.439	0.471	0.432	4.88
23) S	Nitrobenzene-d5	0.289	0.297	0.316	0.301	0.291	0.323	0.343	0.309	6.37
24)	Nitrobenzene	0.302	0.311	0.342	0.326	0.313	0.340	0.369	0.329	7.08
25)	Isophorone	0.593	0.636	0.670	0.638	0.613	0.666	0.717	0.648	6.33
26) C	2-Nitrophenol	0.124	0.154	0.150	0.149	0.173	0.191	0.157	0.157	14.56
27)	2,4-Dimethylph...	0.273	0.277	0.293	0.275	0.267	0.294	0.320	0.286	6.38
28)	bis(2-Chloroet...	0.337	0.360	0.377	0.353	0.336	0.370	0.393	0.361	5.78
29) C	2,4-Dichloroph...	0.199	0.229	0.267	0.257	0.249	0.277	0.303	0.254	13.23
30)	1,2,4-Trichlor...	0.306	0.302	0.306	0.286	0.279	0.309	0.328	0.302	5.36
31)	Naphthalene	1.036	0.999	1.018	0.944	0.888	0.962	1.006	0.979	5.24
32)	Benzoic acid	0.056	0.082	0.095	0.112	0.140	0.174	0.110	0.110	38.50
33)	4-Chloroaniline	0.401	0.430	0.447	0.430	0.412	0.447	0.487	0.436	6.43
34) C	Hexachlorobuta...	0.167	0.161	0.174	0.167	0.157	0.174	0.192	0.170	6.68
35)	Caprolactam	0.109	0.129	0.124	0.124	0.137	0.152	0.129	0.129	11.24
36) C	4-Chloro-3-met...	0.237	0.269	0.304	0.286	0.283	0.308	0.335	0.289	10.82
37)	2-Methylnaphth...	0.721	0.717	0.726	0.676	0.643	0.697	0.739	0.703	4.77

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.497	0.523	0.553	0.519	0.504	0.553	0.604	0.536	6.90
40) P	Hexachlorocycl...		0.235	0.283	0.278	0.280	0.321	0.358	0.292	14.39
41) S	2,4,6-Tribromo...		0.173	0.199	0.193	0.193	0.212	0.248	0.203	12.53
42) C	2,4,6-Trichlor...		0.292	0.346	0.334	0.335	0.366	0.418	0.349	11.96
43)	2,4,5-Trichlor...	0.304	0.325	0.366	0.356	0.359	0.389	0.440	0.363	12.16
44) S	2-Fluorobiphenyl	1.250	1.203	1.229	1.119	1.056	1.094	1.128	1.154	6.38
45)	1,1'-Biphenyl	1.438	1.401	1.465	1.358	1.294	1.371	1.475	1.400	4.62
46)	2-Chloronaphth...	1.146	1.110	1.181	1.089	1.060	1.123	1.234	1.135	5.16
47)	2-Nitroaniline		0.251	0.304	0.293	0.294	0.322	0.364	0.305	12.27
48)	Acenaphthylene	1.891	1.918	2.023	1.859	1.759	1.846	1.949	1.892	4.41
49)	Dimethylphthalate	1.332	1.418	1.475	1.360	1.293	1.367	1.480	1.389	5.13
50)	2,6-Dinitrotol...		0.261	0.317	0.304	0.300	0.331	0.376	0.315	12.07
51) C	Acenaphthene	1.186	1.170	1.183	1.099	1.054	1.127	1.203	1.146	4.76
52)	3-Nitroaniline	0.271	0.316	0.379	0.355	0.352	0.379	0.425	0.354	13.97
53) P	2,4-Dinitrophenol		0.062	0.102	0.112	0.123	0.147	0.180	0.121	33.23
54)	Dibenzofuran	1.763	1.689	1.727	1.592	1.513	1.589	1.702	1.654	5.44
55) P	4-Nitrophenol		0.220	0.275	0.271	0.273	0.295	0.346	0.280	14.55
56)	2,4-Dinitrotol...		0.366	0.412	0.409	0.403	0.438	0.505	0.422	11.12
57)	Fluorene	1.454	1.472	1.492	1.363	1.302	1.382	1.486	1.421	5.14
58)	2,3,4,6-Tetrac...		0.278	0.309	0.303	0.297	0.324	0.365	0.313	9.52
59)	Diethylphthalate	1.431	1.452	1.522	1.397	1.329	1.414	1.528	1.439	4.86
60)	4-Chlorophenyl...	0.704	0.692	0.708	0.674	0.645	0.688	0.768	0.697	5.40
61)	4-Nitroaniline		0.379	0.425	0.396	0.387	0.420	0.480	0.415	8.87
62)	Azobenzene	1.321	1.384	1.420	1.290	1.224	1.277	1.392	1.330	5.37
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.067	0.093	0.097	0.103	0.121	0.138	0.103	23.60
65) c	n-Nitrosodiphe...	0.563	0.593	0.625	0.594	0.570	0.615	0.650	0.601	5.12
66)	4-Bromophenyl-...	0.186	0.192	0.201	0.195	0.191	0.211	0.227	0.200	7.04
67)	Hexachlorobenzene	0.218	0.211	0.223	0.211	0.210	0.231	0.252	0.222	6.81
68)	Atrazine	0.173	0.192	0.214	0.198	0.192	0.204	0.210	0.198	6.87
69) C	Pentachlorophenol		0.078	0.108	0.112	0.114	0.128	0.148	0.115	20.21
70)	Phenanthrene	1.142	1.067	1.084	0.989	0.942	0.984	1.012	1.032	6.70
71)	Anthracene	1.011	1.025	1.059	0.998	0.941	0.988	1.004	1.004	3.60
72)	Carbazole	0.940	0.976	1.011	0.928	0.889	0.931	0.963	0.948	4.13
73)	Di-n-butylphth...	1.082	1.221	1.278	1.163	1.114	1.147	1.132	1.162	5.74
74) C	Fluoranthene	1.167	1.202	1.199	1.105	1.051	1.091	1.092	1.129	5.26
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.527	0.638	0.561	0.550	0.565	0.566	0.568	6.52
77)	Pyrene	1.207	1.173	1.195	1.080	1.011	1.060	1.081	1.115	6.80
78) S	Terphenyl-d14	0.929	0.893	0.874	0.765	0.703	0.709	0.684	0.794	12.92
79)	Butylbenzylphth...	0.395	0.453	0.540	0.509	0.500	0.530	0.570	0.500	11.73
80)	Benzo(a)anthra...	1.148	1.091	1.126	1.028	0.970	1.000	1.032	1.056	6.29
81)	3,3'-Dichlorob...	0.323	0.357	0.402	0.382	0.381	0.398	0.439	0.383	9.59
82)	Chrysene	1.074	1.070	1.075	0.972	0.922	0.951	0.978	1.006	6.48

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83)	Bis(2-ethylhex...	0.561	0.654	0.746	0.701	0.681	0.717	0.755	0.688	9.60
84) c	Di-n-octyl pht...	0.850	1.012	1.179	1.119	1.092	1.144	1.189	1.084	10.99
85)	Indeno(1,2,3-c...	1.193	1.148	1.236	1.179	1.159	1.230	1.371	1.217	6.23
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.128	1.016	1.148	1.069	1.022	1.136	1.142	1.094	5.28
88)	Benzo(k)fluora...	1.123	1.118	1.130	1.087	1.010	1.046	1.134	1.093	4.38
89) C	Benzo(a)pyrene	0.983	0.974	1.045	1.009	0.964	1.049	1.113	1.020	5.17
90)	Dibenzo(a,h)an...	1.002	0.998	1.082	1.028	1.013	1.094	1.184	1.057	6.38
91)	Benzo(g,h,i)pe...	0.990	0.961	1.034	0.991	0.963	1.047	1.150	1.019	6.50

(#) = Out of Range