

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG060616.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jun 06 16:12:45 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BG022169.D 10 =BG022168.D 25 =BG022167.D 40 =BG022166.D 50 =BG022165.D 60 =BG022164.D 80 =BG022163.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.530	0.495	0.457	0.503	0.491	0.499	0.496	4.74	
3)	Pyridine	1.347	1.282	1.341	1.357	1.296	1.393	1.366	1.340	2.91
4)	n-Nitrosodimet...	0.257	0.285	0.301	0.312	0.303	0.312	0.327	0.300	7.56
5) S	2-Fluorophenol	0.815	0.973	1.052	1.072	1.085	1.133	1.109	1.034	10.55
6)	Aniline	1.609	1.922	2.143	2.193	2.105	2.251	2.239	2.066	11.13
7) S	Phenol-d6	1.383	1.479	1.698	1.707	1.645	1.742	1.730	1.626	8.58
8)	2-Chlorophenol	1.279	1.403	1.467	1.467	1.440	1.484	1.468	1.430	5.01
9)	Benzaldehyde	0.845	0.950	1.021	0.952	0.849	0.753	0.895	10.82	
10) C	Phenol	1.427	1.538	1.774	1.740	1.694	1.780	1.785	1.677	8.35
11)	bis(2-Chloroet...	1.245	1.222	1.463	1.377	1.336	1.380	1.336	1.337	6.19
12)	1,3-Dichlorobe...	1.720	1.506	1.523	1.522	1.469	1.499	1.489	1.533	5.53
13) C	1,4-Dichlorobe...	1.562	1.527	1.562	1.534	1.488	1.530	1.486	1.527	2.02
14)	1,2-Dichlorobe...	1.701	1.525	1.536	1.523	1.477	1.513	1.500	1.539	4.79
15)	Benzyl Alcohol	0.925	1.016	1.066	1.038	1.128	1.131	1.051	7.37	
16)	2,2'-oxybis(1-...	1.436	1.402	1.415	1.377	1.325	1.382	1.373	1.387	2.56
17)	2-Methylphenol	1.193	1.241	1.292	1.253	1.219	1.300	1.263	1.251	3.04
18)	Hexachloroethane	0.583	0.552	0.581	0.548	0.541	0.551	0.548	0.558	3.02
19) P	n-Nitroso-di-n...	0.946	1.090	1.161	1.165	1.071	1.155	1.118	1.101	7.03
20)	3+4-Methylphenols	1.714	1.789	1.805	1.768	1.874	1.818	1.795	2.97	
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.353	0.427	0.456	0.444	0.447	0.441	0.450	0.431	8.25
23) S	Nitrobenzene-d5	0.220	0.289	0.302	0.297	0.297	0.301	0.303	0.287	10.48
24)	Nitrobenzene	0.241	0.294	0.298	0.296	0.296	0.298	0.297	0.288	7.33
25)	Isophorone	0.677	0.696	0.686	0.664	0.654	0.663	0.658	0.671	2.33
26) C	2-Nitrophenol	0.111	0.148	0.159	0.166	0.168	0.170	0.172	0.156	13.74
27)	2,4-Dimethylph...	0.214	0.283	0.308	0.289	0.293	0.297	0.298	0.283	11.11
28)	bis(2-Chloroet...	0.375	0.387	0.388	0.385	0.383	0.389	0.385	1.37	
29) C	2,4-Dichloroph...	0.178	0.255	0.282	0.278	0.277	0.283	0.284	0.262	14.69
30)	1,2,4-Trichlor...	0.287	0.289	0.301	0.296	0.292	0.289	0.297	0.293	1.71
31)	Naphthalene	1.048	1.026	1.013	0.968	0.981	0.974	0.977	0.998	3.11
32)	Benzoic acid	0.038	0.058	0.091	0.092	0.118	0.125	0.087	38.55	
33)	4-Chloroaniline	0.336	0.425	0.424	0.422	0.440	0.445	0.415	9.61	
34) C	Hexachlorobuta...	0.178	0.158	0.157	0.151	0.153	0.152	0.153	0.157	5.97
35)	Caprolactam	0.140	0.158	0.151	0.144	0.138	0.140	0.137	0.144	5.32
36) C	4-Chloro-3-met...	0.248	0.310	0.324	0.321	0.318	0.325	0.329	0.311	9.07
37)	2-Methylnaphth...	0.720	0.736	0.759	0.741	0.728	0.740	0.735	0.737	1.65

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.497	0.515	0.523	0.518	0.516	0.507	0.527	0.515	1.95
40) P	Hexachlorocycl...		0.166	0.228	0.240	0.242	0.252	0.269	0.233	15.24
41) S	2,4,6-Tribromo...	0.200	0.222	0.236	0.231	0.226	0.233	0.234	0.226	5.61
42) C	2,4,6-Trichlor...	0.289	0.318	0.354	0.360	0.358	0.367	0.372	0.345	8.85
43)	2,4,5-Trichlor...		0.344	0.398	0.384	0.378	0.389	0.397	0.382	5.25
44) S	2-Fluorobiphenyl	1.293	1.334	1.352	1.327	1.299	1.285	1.296	1.312	1.91
45)	1,1'-Biphenyl	1.376	1.495	1.552	1.554	1.506	1.510	1.541	1.505	4.08
46)	2-Chloronaphth...	1.050	1.156	1.188	1.186	1.159	1.156	1.183	1.154	4.17
47)	2-Nitroaniline		0.240	0.277	0.286	0.269	0.288	0.291	0.275	6.87
48)	Acenaphthylene	2.018	2.051	2.085	2.024	1.997	1.989	2.007	2.024	1.65
49)	Dimethylphthalate	1.818	1.703	1.699	1.630	1.591	1.588	1.579	1.658	5.27
50)	2,6-Dinitrotol...	0.317	0.354	0.373	0.372	0.364	0.369	0.374	0.360	5.58
51) C	Acenaphthene	1.281	1.207	1.212	1.206	1.191	1.182	1.210	1.213	2.65
52)	3-Nitroaniline		0.401	0.409	0.376	0.398	0.408	0.407	0.400	3.05
53) P	2,4-Dinitrophenol		0.024	0.091	0.121	0.122	0.140	0.152	0.108	42.75
54)	Dibenzofuran	1.900	1.932	1.947	1.897	1.864	1.852	1.857	1.893	1.97
55) P	4-Nitrophenol		0.196	0.276	0.298	0.281	0.301	0.304	0.276	14.73
56)	2,4-Dinitrotol...	0.341	0.472	0.524	0.515	0.506	0.513	0.514	0.484	13.40
57)	Fluorene	1.676	1.644	1.675	1.630	1.584	1.599	1.605	1.631	2.25
58)	2,3,4,6-Tetrac...	0.343	0.353	0.337	0.337	0.338	0.340	0.347	0.342	1.75
59)	Diethylphthalate	1.950	1.878	1.831	1.729	1.677	1.662	1.672	1.771	6.50
60)	4-Chlorophenyl...	0.702	0.741	0.765	0.746	0.730	0.734	0.752	0.738	2.67
61)	4-Nitroaniline		0.435	0.425	0.429	0.419	0.414	0.423	0.424	1.69
62)	Azobenzene	1.358	1.376	1.382	1.332	1.302	1.308	1.333	1.341	2.34
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.054	0.089	0.099	0.098	0.107	0.106	0.092	21.75
65) c	n-Nitrosodiphe...	0.511	0.573	0.587	0.596	0.581	0.592	0.593	0.576	5.16
66)	4-Bromophenyl-...	0.161	0.184	0.188	0.193	0.195	0.195	0.196	0.187	6.57
67)	Hexachlorobenzene	0.217	0.217	0.219	0.221	0.217	0.218	0.220	0.218	0.69
68)	Atrazine	0.213	0.219	0.220	0.216	0.212	0.207	0.206	0.213	2.62
69) C	Pentachlorophenol		0.056	0.079	0.085	0.088	0.097	0.101	0.084	19.05
70)	Phenanthrene	1.131	1.113	1.099	1.080	1.067	1.060	1.054	1.086	2.66
71)	Anthracene	1.064	1.076	1.121	1.095	1.080	1.063	1.042	1.077	2.34
72)	Carbazole	1.090	1.021	1.043	1.025	0.996	0.989	0.979	1.020	3.74
73)	Di-n-butylphth...	1.426	1.423	1.371	1.318	1.305	1.265	1.228	1.334	5.72
74) C	Fluoranthene	1.356	1.335	1.272	1.225	1.212	1.175	1.167	1.249	5.98
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.475	0.527	0.581	0.585	0.563	0.516	0.415	0.523	11.81
77)	Pyrene	1.309	1.362	1.241	1.249	1.202	1.193	1.148	1.243	5.85
78) S	Terphenyl-d14	0.868	0.909	0.844	0.854	0.821	0.818	0.781	0.842	4.85
79)	Butylbenzylphth...	0.538	0.587	0.571	0.582	0.585	0.597	0.576	0.577	3.29
80)	Benzo(a)anthra...	1.166	1.159	1.117	1.112	1.087	1.116	1.093	1.121	2.71
81)	3,3'-Dichlorob...		0.288	0.310	0.328	0.321	0.329	0.314	0.315	4.87
82)	Chrysene	1.149	1.135	1.084	1.068	1.076	1.077	1.050	1.091	3.35

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83)	Bis(2-ethylhex...	0.819	0.863	0.852	0.851	0.854	0.861	0.835	0.848	1.86
84) c	Di-n-octyl pht...	1.294	1.427	1.440	1.424	1.434	1.441	1.395	1.408	3.74
85)	Indeno(1,2,3-c...	1.106	1.227	1.226	1.247	1.245	1.267	1.253	1.224	4.41
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.146	1.128	1.142	1.173	1.178	1.208	1.190	1.166	2.48
88)	Benzo(k)fluora...	1.109	1.189	1.161	1.154	1.154	1.136	1.135	1.148	2.18
89) C	Benzo(a)pyrene	1.040	1.101	1.119	1.132	1.129	1.144	1.143	1.115	3.26
90)	Dibenzo(a,h)an...	0.923	1.045	1.047	1.078	1.069	1.098	1.092	1.050	5.69
91)	Benzo(g,h,i)pe...	1.113	1.082	1.085	1.096	1.075	1.095	1.104	1.093	1.23

(#) = Out of Range