

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG092316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Sep 23 15:35:28 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BG024081.D 10 =BG024082.D 25 =BG024083.D 40 =BG024084.D 50 =BG024085.D 60 =BG024086.D 80 =BG024087.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.395	0.488	0.491	0.378	0.457	0.442	0.442	10.66	
3)	Pyridine	1.235	1.532	1.674	1.484	1.720	1.725	1.562	12.09	
4)	n-Nitrosodimet...	0.722	0.838	0.804	0.736	0.815	0.833	0.792	6.33	
5) S	2-Fluorophenol	1.042	0.989	1.280	1.255	1.086	1.206	1.224	1.154	9.90
6)	Aniline	2.586	2.447	2.986	2.726	2.559	2.745	3.051	2.728	8.19
7) S	Phenol-d6	1.689	1.673	2.187	1.973	1.861	2.000	2.215	1.942	11.16
8)	2-Chlorophenol	1.453	1.157	1.553	1.382	1.257	1.392	1.480	1.382	9.81
9)	Benzaldehyde	1.074	0.887	1.157	1.069	1.024	1.081	1.113	1.058	8.10
10) C	Phenol	1.676	1.824	2.263	2.074	1.969	2.122	2.368	2.042	11.82
11)	bis(2-Chloroet...	1.708	1.383	1.760	1.648	1.458	1.617	1.699	1.610	8.65
12)	1,3-Dichlorobe...	1.653	1.438	1.664	1.556	1.386	1.518	1.573	1.541	6.71
13) C	1,4-Dichlorobe...	1.640	1.432	1.722	1.585	1.438	1.555	1.638	1.573	6.84
14)	1,2-Dichlorobe...	1.502	1.381	1.723	1.568	1.394	1.516	1.631	1.531	8.02
15)	Benzyl Alcohol	1.856	1.421	2.014	1.848	1.794	1.968	2.258	1.880	13.54
16)	2,2'-oxybis(1-...	2.161	2.046	2.473	2.251	2.039	2.190	2.405	2.223	7.50
17)	2-Methylphenol	1.162	1.136	1.559	1.370	1.303	1.399	1.574	1.358	12.73
18)	Hexachloroethane	0.746	0.593	0.688	0.679	0.597	0.646	0.690	0.663	8.26
19) P	n-Nitroso-di-n...	1.847	1.666	2.105	1.898	1.782	1.910	2.147	1.908	8.93
20)	3+4-Methylphenols	1.643	1.673	2.297	1.945	1.867	2.026	2.351	1.972	14.07
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.595	0.499	0.663	0.594	0.539	0.583	0.567	0.577	8.85
23) S	Nitrobenzene-d5	0.518	0.453	0.568	0.523	0.478	0.516	0.497	0.507	7.22
24)	Nitrobenzene	0.558	0.499	0.602	0.562	0.504	0.550	0.532	0.544	6.60
25)	Isophorone	1.086	0.923	1.154	1.040	0.967	1.046	1.030	1.035	7.27
26) C	2-Nitrophenol	0.160	0.174	0.221	0.201	0.191	0.201	0.202	0.193	10.39
27)	2,4-Dimethylph...	0.328	0.273	0.358	0.334	0.303	0.326	0.336	0.323	8.37
28)	bis(2-Chloroet...	0.537	0.462	0.554	0.512	0.464	0.497	0.497	0.503	6.82
29) C	2,4-Dichloroph...	0.276	0.302	0.385	0.359	0.322	0.353	0.354	0.336	11.24
30)	1,2,4-Trichlor...	0.391	0.320	0.397	0.374	0.328	0.356	0.350	0.359	8.25
31)	Naphthalene	1.094	0.911	1.137	1.032	0.932	1.002	0.984	1.013	8.06
32)	Benzoic acid	0.130	0.269	0.254	0.236	0.267	0.288	0.241	23.68	
33)	4-Chloroaniline	0.415	0.409	0.521	0.463	0.434	0.455	0.469	0.452	8.47
34) C	Hexachlorobuta...	0.335	0.252	0.313	0.290	0.249	0.272	0.269	0.283	11.27
35)	Caprolactam	0.138	0.107	0.159	0.133	0.133	0.143	0.143	0.137	11.48
36) C	4-Chloro-3-met...	0.398	0.405	0.546	0.498	0.459	0.494	0.508	0.472	11.64
37)	2-Methylnaphth...	0.792	0.706	0.878	0.794	0.725	0.766	0.768	0.776	7.20

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.607	0.540	0.662	0.616	0.526	0.552	0.584	0.584	8.25
40) P	Hexachlorocycl...		0.100	0.218	0.250	0.221	0.249	0.283	0.220	28.80
41) S	2,4,6-Tribromo...	0.285	0.240	0.320	0.292	0.268	0.292	0.315	0.287	9.50
42) C	2,4,6-Trichlor...	0.335	0.339	0.435	0.404	0.350	0.374	0.406	0.378	10.20
43)	2,4,5-Trichlor...	0.364	0.351	0.419	0.415	0.362	0.393	0.416	0.389	7.50
44) S	2-Fluorobiphenyl	1.330	1.143	1.339	1.237	1.057	1.114	1.109	1.190	9.49
45)	1,1'-Biphenyl	1.418	1.286	1.546	1.432	1.234	1.313	1.345	1.368	7.70
46)	2-Chloronaphth...	1.116	0.935	1.144	1.059	0.902	0.992	0.999	1.021	8.79
47)	2-Nitroaniline	0.427	0.421	0.534	0.497	0.457	0.485	0.504	0.475	8.77
48)	Acenaphthylene	1.916	1.612	1.954	1.763	1.548	1.666	1.676	1.734	8.81
49)	Dimethylphthalate	1.719	1.397	1.709	1.570	1.376	1.463	1.506	1.534	9.05
50)	2,6-Dinitrotol...	0.297	0.286	0.372	0.338	0.301	0.327	0.335	0.322	9.20
51) C	Acenaphthene	1.132	0.964	1.177	1.088	0.937	1.023	1.039	1.051	8.28
52)	3-Nitroaniline	0.291	0.287	0.371	0.324	0.303	0.333	0.344	0.322	9.46
53) P	2,4-Dinitrophenol		0.087	0.211	0.199	0.193	0.213	0.239	0.190	27.97
54)	Dibenzofuran	1.836	1.517	1.824	1.670	1.454	1.573	1.585	1.637	9.01
55) P	4-Nitrophenol		0.148	0.236	0.230	0.225	0.248	0.264	0.225	17.84
56)	2,4-Dinitrotol...	0.465	0.429	0.563	0.495	0.458	0.503	0.519	0.490	8.99
57)	Fluorene	1.574	1.323	1.608	1.440	1.284	1.352	1.392	1.425	8.72
58)	2,3,4,6-Tetrac...	0.349	0.319	0.419	0.400	0.356	0.379	0.405	0.375	9.54
59)	Diethylphthalate	1.957	1.536	1.831	1.629	1.463	1.567	1.582	1.652	10.68
60)	4-Chlorophenyl...	0.849	0.692	0.850	0.763	0.688	0.732	0.769	0.763	8.74
61)	4-Nitroaniline	0.345	0.256	0.389	0.331	0.319	0.348	0.347	0.333	12.16
62)	Azobenzene	1.909	1.553	1.873	1.693	1.498	1.608	1.618	1.679	9.35
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.107	0.153	0.148	0.132	0.145	0.148	0.139	12.27
65) c	n-Nitrosodiphe...	0.568	0.511	0.614	0.578	0.493	0.539	0.528	0.547	7.66
66)	4-Bromophenyl-...	0.243	0.213	0.259	0.240	0.206	0.233	0.230	0.232	7.76
67)	Hexachlorobenzene	0.275	0.245	0.287	0.269	0.234	0.262	0.258	0.261	6.80
68)	Atrazine	0.259	0.224	0.265	0.249	0.217	0.241	0.236	0.242	7.31
69) C	Pentachlorophenol		0.087	0.136	0.128	0.122	0.134	0.138	0.124	15.28
70)	Phenanthrene	1.161	0.960	1.143	1.041	0.904	0.982	0.941	1.019	9.84
71)	Anthracene	1.218	0.989	1.165	1.065	0.932	1.000	0.956	1.046	10.37
72)	Carbazole	1.075	0.918	1.101	0.984	0.875	0.959	0.907	0.974	8.78
73)	Di-n-butylphth...	1.536	1.230	1.445	1.263	1.130	1.216	1.106	1.275	12.49
74) C	Fluoranthene	1.584	1.289	1.517	1.284	1.196	1.292	1.147	1.330	12.13
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.463	0.478	0.664	0.622	0.554	0.601	0.580	0.566	13.05
77)	Pyrene	1.510	1.332	1.523	1.529	1.247	1.312	1.324	1.397	8.53
78) S	Terphenyl-d14	1.144	0.969	1.085	1.042	0.853	0.893	0.851	0.977	12.01
79)	Butylbenzylphth...	0.496	0.454	0.590	0.531	0.490	0.530	0.508	0.514	8.23
80)	Benzo(a)anthra...	1.276	1.070	1.263	1.172	1.017	1.094	1.079	1.139	8.84
81)	3,3'-Dichlorob...	0.397	0.367	0.463	0.429	0.376	0.407	0.417	0.408	8.00
82)	Chrysene	1.207	1.014	1.198	1.091	0.958	1.019	1.005	1.070	9.18

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83)	Bis(2-ethylhex...	0.666	0.549	0.644	0.660	0.548	0.604	0.631	0.614	8.06
84) c	Di-n-octyl pht...	1.123	0.961	1.120	1.175	0.940	1.025	1.077	1.060	8.33
85)	Indeno(1,2,3-c...	1.259	1.031	1.240	1.314	1.057	1.174	1.279	1.193	9.29
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.193	1.086	1.296	1.209	1.059	1.139	1.163	1.164	6.86
88)	Benzo(k)fluora...	1.241	1.071	1.263	1.199	1.055	1.146	1.114	1.156	7.05
89) C	Benzo(a)pyrene	1.236	1.030	1.221	1.155	1.019	1.097	1.116	1.125	7.59
90)	Dibenzo(a,h)an...	1.271	1.027	1.214	1.144	1.008	1.091	1.108	1.123	8.46
91)	Benzo(g,h,i)pe...	1.274	1.043	1.232	1.153	1.015	1.093	1.112	1.132	8.39

(#) = Out of Range