

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG022118.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Feb 21 15:45:53 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BG032755.D 10 =BG032756.D 25 =BG032757.D 40 =BG032758.D 50 =BG032759.D 60 =BG032760.D 80 =BG032761.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.572	0.558	0.517	0.541	0.548	0.558	0.503	0.543	4.54
3)	Pyridine	1.223	1.414	1.525	1.556	1.596	1.602	1.552	1.495	9.07
4)	n-Nitrosodimet...	0.559	0.575	0.593	0.611	0.622	0.631	0.606	0.600	4.27
5) S	2-Fluorophenol	1.134	1.204	1.260	1.286	1.315	1.311	1.241	1.250	5.16
6)	Aniline	2.271	2.330	2.436	2.361	2.379	2.361	2.373	2.359	2.13
7) S	Phenol-d6	1.606	1.690	1.802	1.771	1.784	1.774	1.771	1.742	4.01
8)	2-Chlorophenol	1.230	1.335	1.383	1.392	1.406	1.438	1.393	1.368	4.98
9)	Benzaldehyde	1.196	1.109	0.978	0.904	0.834		1.004		14.74
10) C	Phenol	1.660	1.705	1.811	1.763	1.786	1.796	1.774	1.757	3.10
11)	bis(2-Chloroet...	1.388	1.397	1.486	1.438	1.446	1.469	1.430	1.436	2.47
12)	1,3-Dichlorobe...	1.573	1.576	1.611	1.608	1.624	1.661	1.566	1.603	2.11
13) C	1,4-Dichlorobe...	1.586	1.585	1.636	1.624	1.637	1.647	1.578	1.613	1.81
14)	1,2-Dichlorobe...	1.563	1.531	1.566	1.539	1.545	1.567	1.510	1.546	1.37
15)	Benzyl Alcohol	1.152	1.229	1.324	1.280	1.309	1.322	1.351	1.281	5.38
16)	2,2'-oxybis(1-...	2.488	2.417	2.496	2.459	2.444	2.525	2.455	2.469	1.47
17)	2-Methylphenol	1.223	1.239	1.318	1.306	1.313	1.321	1.348	1.295	3.55
18)	Hexachloroethane	0.515	0.512	0.542	0.553	0.569	0.592	0.561	0.549	5.24
19) P	n-Nitroso-di-n...	1.170	1.203	1.275	1.218	1.226	1.233	1.286	1.230	3.26
20)	3+4-Methylphenols	1.704	1.688	1.862	1.796	1.828	1.839	1.889	1.801	4.28
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.484	0.519	0.511	0.506	0.515	0.507	0.492	0.505	2.51
23) S	Nitrobenzene-d5	0.137	0.166	0.218	0.262	0.290	0.311	0.311	0.242	28.97
24)	Nitrobenzene		0.188	0.253	0.298	0.321	0.337	0.338	0.289	20.41
25)	Isophorone	0.688	0.694	0.717	0.695	0.707	0.708	0.705	0.702	1.42
26) C	2-Nitrophenol		0.062	0.079	0.098	0.114	0.131	0.136	0.103	28.23
27)	2,4-Dimethylph...	0.331	0.288	0.300	0.299	0.306	0.308	0.302	0.305	4.38
28)	bis(2-Chloroet...	0.407	0.405	0.413	0.407	0.412	0.417	0.402	0.409	1.25
29) C	2,4-Dichloroph...		0.244	0.273	0.277	0.288	0.290	0.288	0.277	6.21
30)	1,2,4-Trichlor...		0.317	0.320	0.325	0.331	0.335	0.318	0.324	2.28
31)	Naphthalene	1.054	1.051	1.054	1.039	1.054	1.051	1.013	1.045	1.45
32)	Benzoic acid		0.094	0.127	0.162	0.200	0.219	0.241	0.174	32.41
33)	4-Chloroaniline	0.451	0.463	0.474	0.465	0.477	0.472	0.469	0.467	1.85
34) C	Hexachlorobuta...		0.178	0.178	0.183	0.183	0.192	0.178	0.182	3.06
35)	Caprolactam	0.090	0.107	0.114	0.114	0.120	0.113	0.117	0.111	8.93
36) C	4-Chloro-3-met...	0.279	0.306	0.338	0.328	0.337	0.330	0.335	0.322	6.77
37)	2-Methylnaphth...	0.756	0.748	0.775	0.752	0.759	0.757	0.746	0.756	1.29

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38)	I	Acenaphthene-d10	-----ISTD-----							
39)		1,2,4,5-Tetrac...	0.570	0.580	0.592	0.605	0.629	0.588	0.594	3.48
40)	P	Hexachlorocycl...	0.235	0.277	0.308	0.318	0.349	0.329	0.303	13.48
41)	S	2,4,6-Tribromo...	0.168	0.196	0.215	0.230	0.230	0.223	0.210	11.60
42)	C	2,4,6-Trichlor...	0.319	0.363	0.377	0.393	0.402	0.392	0.374	8.15
43)		2,4,5-Trichlor...	0.379	0.426	0.439	0.451	0.458	0.447	0.433	6.64
44)	S	2-Fluorobiphenyl	1.420	1.439	1.417	1.391	1.382	1.387	1.387	3.95
45)		1,1'-Biphenyl	1.764	1.751	1.759	1.748	1.758	1.791	1.663	2.29
46)		2-Chloronaphth...	1.305	1.298	1.302	1.312	1.314	1.340	1.268	1.66
47)		2-Nitroaniline	0.145	0.215	0.282	0.327	0.355	0.369	0.282	31.03
48)		Acenaphthylene	2.077	2.154	2.199	2.156	2.180	2.166	2.030	2.85
49)		Dimethylphthalate	1.708	1.725	1.726	1.701	1.734	1.696	1.597	2.75
50)		2,6-Dinitrotol...	0.130	0.196	0.248	0.280	0.302	0.310	0.244	28.48
51)	C	Acenaphthene	1.307	1.319	1.331	1.337	1.364	1.368	1.293	2.10
52)		3-Nitroaniline	0.180	0.256	0.312	0.360	0.369	0.373	0.308	24.96
53)	P	2,4-Dinitrophenol	0.048	0.059	0.067	0.075	0.083	0.088	0.070	21.35
54)		Dibenzofuran	1.946	1.930	1.934	1.889	1.915	1.883	1.772	3.13
55)	P	4-Nitrophenol	0.151	0.192	0.238	0.266	0.276	0.277	0.233	22.18
56)		2,4-Dinitrotol...	0.161	0.222	0.283	0.342	0.368	0.383	0.293	29.97
57)		Fluorene	1.631	1.623	1.590	1.556	1.573	1.531	1.446	4.03
58)		2,3,4,6-Tetrac...	0.282	0.322	0.343	0.363	0.362	0.348	0.336	9.11
59)		Diethylphthalate	1.794	1.859	1.814	1.794	1.850	1.771	1.656	3.75
60)		4-Chlorophenyl...	0.781	0.766	0.759	0.777	0.774	0.735	0.765	2.20
61)		4-Nitroaniline	0.224	0.292	0.347	0.391	0.387	0.377	0.336	19.72
62)		Azobenzene	1.636	1.641	1.615	1.601	1.634	1.596	1.602	3.19
63)	I	Phenanthrene-d10	-----ISTD-----							
64)		4,6-Dinitro-2-...	0.031	0.042	0.051	0.059	0.068	0.073	0.054	29.42
65)	c	n-Nitrosodiphe...	0.609	0.656	0.667	0.653	0.650	0.679	0.641	3.37
66)		4-Bromophenyl-...	0.207	0.209	0.208	0.211	0.222	0.212	0.211	2.54
67)		Hexachlorobenzene	0.226	0.229	0.224	0.229	0.237	0.226	0.229	1.95
68)		Atrazine	0.202	0.218	0.219	0.216	0.220	0.221	0.202	3.81
69)	C	Pentachlorophenol	0.109	0.134	0.145	0.155	0.164	0.158	0.144	13.99
70)		Phenanthrene	1.119	1.159	1.135	1.111	1.114	1.132	1.039	3.36
71)		Anthracene	1.126	1.145	1.140	1.119	1.123	1.137	1.050	2.87
72)		Carbazole	1.128	1.150	1.122	1.106	1.105	1.104	1.015	3.87
73)		Di-n-butylphth...	1.285	1.421	1.406	1.379	1.387	1.367	1.238	4.98
74)	C	Fluoranthene	1.277	1.305	1.255	1.228	1.232	1.218	1.113	4.94
75)	I	Chrysene-d12	-----ISTD-----							
76)		Benzidine	0.783	0.826	0.703	0.663	0.630	0.616	0.549	14.24
77)		Pyrene	1.456	1.438	1.428	1.399	1.403	1.432	1.318	3.22
78)	S	Terphenyl-d14	0.950	0.936	0.918	0.879	0.875	0.881	0.793	5.88
79)		Butylbenzylphth...	0.485	0.566	0.639	0.654	0.676	0.691	0.667	11.85
80)		Benzo(a)anthra...	1.298	1.276	1.281	1.281	1.292	1.306	1.244	1.55
81)		3,3'-Dichlorob...	0.427	0.466	0.493	0.488	0.489	0.494	0.468	5.03
82)		Chrysene	1.216	1.217	1.233	1.223	1.233	1.258	1.196	1.56

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83)	Bis(2-ethylhex...	0.765	0.856	0.941	0.976	0.977	1.010	0.955	0.926	9.24
84) c	Di-n-octyl pht...	1.017	1.240	1.445	1.524	1.541	1.589	1.520	1.411	14.71
85)	Indeno(1,2,3-c...	1.230	1.313	1.418	1.470	1.497	1.558	1.516	1.429	8.25
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.144	1.175	1.187	1.209	1.192	1.226	1.145	1.183	2.60
88)	Benzo(k)fluora...	1.164	1.192	1.179	1.173	1.170	1.197	1.152	1.175	1.33
89) C	Benzo(a)pyrene	1.074	1.099	1.127	1.135	1.142	1.172	1.123	1.125	2.79
90)	Dibenzo(a,h)an...	1.043	1.096	1.140	1.156	1.160	1.192	1.137	1.132	4.33
91)	Benzo(g,h,i)pe...	1.030	1.080	1.110	1.134	1.141	1.185	1.131	1.116	4.42

(#) = Out of Range