

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG092525.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Sep 29 18:04:12 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BG064441.D 5 =BG064442.D 10 =BG064449.D 20 =BG064444.D 40 =BG064450.D 50 =BG064446.D 60 =BG064451.D 80 =BG064448.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.474	0.418	0.443	0.456	0.444	0.457	0.381	0.439		6.96
3)	Pyridine	1.317	1.012	1.118	1.286	1.255	1.195	1.105	1.184		9.35
4)	n-Nitrosodimet...		0.788	0.890	0.936	0.975	0.980	0.858	0.904		8.23
5) S	2-Fluorophenol	1.015	1.021	1.035	1.124	1.021	1.092	1.019	1.047		4.15
6)	Aniline	1.798	1.762	1.763	2.056	1.819	1.989	1.809	1.857		6.30
7) S	Phenol-d6	1.336	1.343	1.378	1.578	1.416	1.554	1.430	1.434		6.77
8)	2-Chlorophenol	1.237	1.258	1.240	1.467	1.266	1.412	1.286	1.309		7.00
9)	Benzaldehyde		1.013	0.896	1.536	1.284	1.500	1.094	1.220		21.55
10) C	Phenol	1.500	1.498	1.483	1.688	1.537	1.640	1.522	1.552		5.12
11)	bis(2-Chloroet...	1.027	0.977	1.033	1.158	1.015	1.063	1.024	1.042		5.47
12)	1,3-Dichlorobe...	1.396	1.493	1.488	1.555	1.426	1.499	1.418	1.468		3.83
13) C	1,4-Dichlorobe...	1.559	1.477	1.416	1.647	1.457	1.521	1.418	1.499		5.57
14)	1,2-Dichlorobe...	1.403	1.371	1.394	1.552	1.374	1.452	1.399	1.421		4.49
15)	Benzyl Alcohol		1.257	1.264	1.469	1.324	1.442	1.350	1.351		6.57
16)	2,2'-oxybis(1-...	1.851	1.807	1.770	1.948	1.764	1.929	1.654	1.818		5.62
17)	2-Methylphenol	1.028	1.087	1.131	1.230	1.089	1.191	1.096	1.122		6.15
18)	Hexachloroethane	0.534	0.553	0.554	0.615	0.554	0.595	0.553	0.566		5.07
19) P	n-Nitroso-di-n...	0.907	0.840	0.950	0.995	1.073	0.965	1.061	0.963	0.969	7.90
20)	3+4-Methylphenols		1.548	1.553	1.680	1.515	1.669	1.496	1.577		4.99
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.447	0.472	0.438	0.531	0.479	0.501	0.484	0.479		6.59
23) S	Nitrobenzene-d5	0.352	0.359	0.330	0.409	0.377	0.380	0.376	0.369		6.78
24)	Nitrobenzene	0.315	0.363	0.334	0.405	0.354	0.382	0.368	0.360		8.24
25)	Isophorone	0.701	0.678	0.669	0.730	0.658	0.686	0.658	0.683		3.78
26) C	2-Nitrophenol	0.171	0.164	0.168	0.193	0.182	0.183	0.182	0.177		5.83
27)	2,4-Dimethylph...	0.271	0.278	0.281	0.319	0.276	0.295	0.282	0.286		5.68
28)	bis(2-Chloroet...	0.361	0.337	0.356	0.379	0.338	0.352	0.346	0.353		4.10
29) C	2,4-Dichloroph...	0.338	0.302	0.323	0.368	0.325	0.330	0.318	0.329		6.27
30)	1,2,4-Trichlor...	0.327	0.345	0.352	0.386	0.346	0.354	0.353	0.352		5.04
31)	Naphthalene	1.044	1.035	1.039	1.122	0.998	1.050	1.020	1.044		3.70
32)	Benzoic acid		0.178	0.204	0.237	0.233	0.232	0.245	0.222		11.43
33)	4-Chloroaniline	0.318	0.375	0.380	0.430	0.384	0.395	0.392	0.382		8.82
34) C	Hexachlorobuta...	0.302	0.284	0.294	0.332	0.290	0.301	0.296	0.300		5.12
35)	Caprolactam		0.106	0.116	0.115	0.107	0.105	0.102	0.109		5.46
36) C	4-Chloro-3-met...	0.382	0.383	0.386	0.420	0.375	0.401	0.384	0.390		3.89
37)	2-Methylnaphth...	0.788	0.762	0.788	0.852	0.762	0.795	0.772	0.788		3.95
38)	1-Methylnaphth...	0.799	0.738	0.786	0.830	0.749	0.771	0.750	0.775		4.21

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG092525.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.592	0.610	0.640	0.698	0.628	0.655	0.637	0.637	5.32
41) P	Hexachlorocycl...	0.280	0.310	0.365	0.342	0.372	0.362	0.339		10.75
42) S	2,4,6-Tribromo...	0.354	0.337	0.358	0.373	0.344	0.340	0.338	0.349	3.76
43) C	2,4,6-Trichlor...	0.368	0.405	0.413	0.451	0.416	0.433	0.425	0.416	6.25
44)	2,4,5-Trichlor...	0.368	0.470	0.463	0.486	0.475	0.464	0.449	0.454	8.72
45) S	2-Fluorobiphenyl	1.349	1.317	1.352	1.434	1.331	1.386	1.311	1.354	3.19
46)	1,1'-Biphenyl	1.338	1.376	1.424	1.518	1.414	1.477	1.412	1.423	4.22
47)	2-Chloronaphth...	1.062	1.031	1.092	1.142	1.055	1.127	1.060	1.081	3.73
48)	2-Nitroaniline	0.303	0.365	0.375	0.406	0.387	0.389	0.376	0.372	8.83
49)	Acenaphthylene	1.582	1.552	1.606	1.729	1.579	1.630	1.559	1.605	3.79
50)	Dimethylphthalate	1.574	1.548	1.500	1.608	1.513	1.508	1.444	1.528	3.52
51)	2,6-Dinitrotol...	0.291	0.319	0.325	0.353	0.317	0.326	0.316	0.321	5.70
52) C	Acenaphthene	1.044	1.095	1.101	1.195	1.079	1.112	1.064	1.099	4.39
53)	3-Nitroaniline	0.270	0.280	0.308	0.340	0.322	0.297	0.310	0.304	7.88
54) P	2,4-Dinitrophenol	0.238	0.157	0.226	0.225	0.206	0.228	0.213		13.74
55)	Dibenzofuran	1.865	1.777	1.823	1.914	1.779	1.841	1.751	1.821	3.14
56) P	4-Nitrophenol	0.218	0.240	0.268	0.263	0.234	0.254	0.246		7.73
57)	2,4-Dinitrotol...	0.463	0.478	0.493	0.525	0.495	0.487	0.488	0.490	3.87
58)	Fluorene	1.513	1.457	1.506	1.618	1.490	1.504	1.439	1.504	3.81
59)	2,3,4,6-Tetrac...	0.400	0.436	0.455	0.506	0.452	0.465	0.452	0.452	7.05
60)	Diethylphthalate	1.689	1.641	1.668	1.779	1.632	1.551	1.565	1.646	4.69
61)	4-Chlorophenyl...	0.842	0.800	0.818	0.889	0.807	0.822	0.769	0.821	4.54
62)	4-Nitroaniline	0.280	0.313	0.330	0.364	0.354	0.307	0.335	0.326	8.74
63)	Azobenzene	1.270	1.267	1.301	1.398	1.273	1.276	1.233	1.288	4.05
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.120	0.128	0.150	0.140	0.141	0.142	0.137		7.96
66) c	n-Nitrosodiphe...	0.534	0.521	0.524	0.563	0.522	0.559	0.514	0.534	3.66
67)	4-Bromophenyl-...	0.230	0.222	0.229	0.253	0.230	0.249	0.228	0.234	5.05
68)	Hexachlorobenzene	0.271	0.257	0.267	0.282	0.255	0.276	0.259	0.267	3.89
69)	Atrazine	0.261	0.245	0.253	0.257	0.239	0.215	0.228	0.242	6.94
70) C	Pentachlorophenol	0.129	0.156	0.176	0.166	0.164	0.175	0.161		10.85
71)	Phenanthrene	1.036	1.001	1.063	1.118	1.021	1.032	1.007	1.040	3.86
72)	Anthracene	1.050	1.045	1.054	1.113	1.056	1.061	1.032	1.059	2.41
73)	Carbazole	0.928	0.926	0.940	1.009	0.938	0.862	0.899	0.929	4.83
74)	Di-n-butylphth...	1.180	1.108	1.129	1.224	1.205	1.016	1.090	1.136	6.41
75) C	Fluoranthene	1.366	1.296	1.309	1.410	1.385	1.174	1.250	1.313	6.31
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.316	0.476	0.692	0.585	0.668	0.404	0.524		28.68
78)	Pyrene	1.255	1.194	1.249	1.331	1.241	1.205	1.211	1.241	3.72
79) S	Terphenyl-d14	1.025	0.986	1.026	1.090	1.004	0.989	0.982	1.015	3.71
80)	Butylbenzylphth...	0.473	0.432	0.458	0.499	0.466	0.467	0.452	0.464	4.42
81)	Benzo(a)anthra...	1.293	1.224	1.277	1.361	1.263	1.291	1.255	1.281	3.33
82)	3,3'-Dichlorob...	0.416	0.449	0.473	0.433	0.448	0.424	0.440		4.64
83)	Chrysene	1.254	1.177	1.224	1.260	1.186	1.197	1.191	1.213	2.79
84)	Bis(2-ethylhex...	0.678	0.622	0.656	0.713	0.668	0.678	0.663	0.668	4.08
85) c	Di-n-octyl pht...	1.091	1.143	1.206	1.119	1.146	1.110	1.136		3.54

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG092525.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.380	1.415	1.415	1.504	1.375	1.433	1.372	1.414	3.28	
88)	Benzo(b)fluora...	1.129	1.072	1.129	1.234	1.127	1.198	1.136	1.147	4.65	
89)	Benzo(k)fluora...	1.122	1.095	1.171	1.223	1.133	1.167	1.119	1.147	3.75	
90) C	Benzo(a)pyrene	1.067	0.988	1.071	1.135	1.048	1.089	1.036	1.062	4.30	
91)	Dibenzo(a,h)an...	1.147	1.136	1.139	1.215	1.106	1.162	1.117	1.146	3.10	
92)	Benzo(g,h,i)pe...	1.109	1.115	1.090	1.154	1.051	1.122	1.063	1.101	3.24	

(#) = Out of Range