

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG100225.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Oct 02 16:40:42 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BG064473.D 5 =BG064474.D 10 =BG064481.D 20 =BG064476.D 40 =BG064477.D 50 =BG064478.D 60 =BG064479.D 80 =BG064480.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.530	0.412	0.447	0.438	0.398	0.386	0.381	0.427	12.10	
3)	Pyridine	1.225	1.151	1.147	1.236	1.102	1.095	1.086	1.149	5.33	
4)	n-Nitrosodimet...	0.854	0.790	0.863	0.833	0.843	0.814	0.833	3.24		
5) S	2-Fluorophenol	1.066	1.018	1.053	1.195	1.071	1.108	1.053	1.081	5.26	
6)	Aniline	1.913	1.738	1.827	2.020	1.772	1.823	1.729	1.832	5.68	
7) S	Phenol-d6	1.395	1.373	1.446	1.631	1.434	1.496	1.391	1.452	6.12	
8)	2-Chlorophenol	1.387	1.264	1.312	1.455	1.264	1.336	1.271	1.327	5.45	
9)	Benzaldehyde	1.437	1.039	1.527	1.146	1.548	1.037	1.289	18.76		
10) C	Phenol	1.518	1.397	1.530	1.683	1.517	1.583	1.496	1.532	5.68	
11)	bis(2-Chloroet...	1.117	0.953	1.002	1.134	1.000	1.064	0.992	1.038	6.61	
12)	1,3-Dichlorobe...	1.558	1.459	1.396	1.582	1.385	1.418	1.363	1.452	5.97	
13) C	1,4-Dichlorobe...	1.506	1.435	1.452	1.581	1.421	1.421	1.383	1.457	4.57	
14)	1,2-Dichlorobe...	1.583	1.389	1.434	1.533	1.377	1.399	1.335	1.436	6.24	
15)	Benzyl Alcohol	1.224	1.300	1.447	1.342	1.399	1.312	1.337	5.87		
16)	2,2'-oxybis(1-...	1.720	1.610	1.657	1.804	1.650	1.708	1.558	1.672	4.80	
17)	2-Methylphenol	1.105	1.063	1.087	1.215	1.076	1.143	1.077	1.109	4.81	
18)	Hexachloroethane	0.586	0.630	0.534	0.604	0.562	0.566	0.544	0.575	5.87	
19) P	n-Nitroso-di-n...	0.813	1.008	0.913	1.006	1.096	0.959	1.048	0.926	0.971	9.10
20)	3+4-Methylphenols	1.472	1.510	1.700	1.492	1.622	1.494	1.548	5.91		
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.476	0.450	0.477	0.516	0.491	0.495	0.486	0.484	4.21	
23) S	Nitrobenzene-d5	0.360	0.352	0.378	0.396	0.369	0.381	0.369	0.372	3.84	
24)	Nitrobenzene	0.403	0.348	0.352	0.395	0.364	0.377	0.358	0.371	5.73	
25)	Isophorone	0.672	0.654	0.674	0.721	0.660	0.686	0.650	0.674	3.59	
26) C	2-Nitrophenol	0.197	0.169	0.181	0.192	0.185	0.188	0.181	0.185	4.93	
27)	2,4-Dimethylph...	0.277	0.257	0.279	0.299	0.285	0.298	0.281	0.282	4.97	
28)	bis(2-Chloroet...	0.320	0.320	0.361	0.375	0.336	0.352	0.341	0.343	5.92	
29) C	2,4-Dichloroph...	0.323	0.305	0.321	0.343	0.322	0.336	0.332	0.326	3.78	
30)	1,2,4-Trichlor...	0.383	0.333	0.360	0.377	0.339	0.349	0.347	0.356	5.27	
31)	Naphthalene	1.062	0.980	1.013	1.107	0.995	1.041	1.011	1.030	4.26	
32)	Benzoic acid	0.149	0.198	0.230	0.240	0.239	0.243	0.216	17.02		
33)	4-Chloroaniline	0.392	0.398	0.373	0.417	0.388	0.406	0.392	0.395	3.53	
34) C	Hexachlorobuta...	0.331	0.289	0.308	0.316	0.296	0.300	0.291	0.304	4.94	
35)	Caprolactam	0.108	0.120	0.115	0.111	0.110	0.107	0.112	4.36		
36) C	4-Chloro-3-met...	0.395	0.381	0.392	0.418	0.390	0.405	0.395	0.397	3.01	
37)	2-Methylnaphth...	0.783	0.771	0.790	0.843	0.778	0.799	0.770	0.791	3.18	
38)	1-Methylnaphth...	0.837	0.782	0.782	0.825	0.750	0.784	0.758	0.788	4.08	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG100225.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.622	0.604	0.622	0.708	0.640	0.678	0.646	0.646	5.60	
41) P	Hexachlorocycl...	0.279	0.296	0.363	0.356	0.378	0.356	0.338		11.95	
42) S	2,4,6-Tribromo...	0.364	0.352	0.367	0.381	0.364	0.361	0.349	0.363	2.89	
43) C	2,4,6-Trichlor...	0.391	0.390	0.396	0.445	0.416	0.436	0.414	0.413	5.30	
44)	2,4,5-Trichlor...	0.451	0.452	0.430	0.486	0.465	0.473	0.470	0.461	3.93	
45) S	2-Fluorobiphenyl	1.355	1.338	1.346	1.434	1.325	1.389	1.310	1.357	3.11	
46)	1,1'-Biphenyl	1.439	1.388	1.417	1.521	1.434	1.484	1.387	1.438	3.42	
47)	2-Chloronaphth...	1.006	1.104	1.046	1.153	1.056	1.106	1.046	1.074	4.61	
48)	2-Nitroaniline	0.301	0.362	0.371	0.397	0.386	0.385	0.365	0.367	8.60	
49)	Acenaphthylene	1.591	1.534	1.573	1.704	1.574	1.638	1.546	1.594	3.68	
50)	Dimethylphthalate	1.564	1.584	1.582	1.624	1.531	1.586	1.493	1.566	2.72	
51)	2,6-Dinitrotol...	0.292	0.326	0.335	0.337	0.333	0.345	0.316	0.326	5.43	
52) C	Acenaphthene	1.108	1.099	1.086	1.159	1.106	1.138	1.058	1.108	2.98	
53)	3-Nitroaniline	0.279	0.294	0.300	0.319	0.315	0.303	0.296	0.301	4.50	
54) P	2,4-Dinitrophenol	0.265	0.270	0.207	0.228	0.229	0.220	0.237		10.76	
55)	Dibenzofuran	1.837	1.810	1.800	1.909	1.821	1.872	1.753	1.829	2.77	
56) P	4-Nitrophenol	0.192	0.227	0.260	0.256	0.253	0.232	0.237		10.85	
57)	2,4-Dinitrotol...	0.481	0.499	0.488	0.527	0.513	0.506	0.477	0.499	3.60	
58)	Fluorene	1.518	1.511	1.535	1.601	1.488	1.532	1.458	1.520	2.91	
59)	2,3,4,6-Tetrac...	0.438	0.447	0.475	0.505	0.475	0.494	0.457	0.470	5.16	
60)	Diethylphthalate	1.747	1.692	1.679	1.730	1.675	1.663	1.578	1.680	3.25	
61)	4-Chlorophenyl...	0.866	0.809	0.839	0.868	0.817	0.819	0.794	0.830	3.42	
62)	4-Nitroaniline	0.229	0.296	0.331	0.334	0.345	0.340	0.320	0.314	12.96	
63)	Azobenzene	1.339	1.299	1.325	1.346	1.295	1.289	1.216	1.301	3.37	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.125	0.139	0.145	0.138	0.145	0.144	0.139		5.58	
66) c	n-Nitrosodiphe...	0.540	0.519	0.534	0.569	0.508	0.541	0.529	0.534	3.62	
67)	4-Bromophenyl-...	0.235	0.229	0.227	0.253	0.224	0.237	0.241	0.235	4.21	
68)	Hexachlorobenzene	0.256	0.261	0.272	0.288	0.260	0.280	0.270	0.269	4.36	
69)	Atrazine	0.237	0.240	0.247	0.250	0.232	0.239	0.219	0.238	4.26	
70) C	Pentachlorophenol	0.118	0.146	0.169	0.166	0.170	0.175	0.157		13.66	
71)	Phenanthrene	1.072	1.022	1.055	1.111	1.002	1.050	1.010	1.046	3.65	
72)	Anthracene	1.045	1.028	1.044	1.130	1.001	1.068	1.029	1.049	3.93	
73)	Carbazole	0.883	0.895	0.904	0.987	0.877	0.921	0.880	0.907	4.24	
74)	Di-n-butylphth...	1.096	1.079	1.105	1.189	1.076	1.131	1.076	1.107	3.71	
75) C	Fluoranthene	1.269	1.226	1.272	1.330	1.192	1.253	1.204	1.250	3.77	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.393	0.424	0.649	0.540	0.621	0.359	0.498		24.67	
78)	Pyrene	1.295	1.329	1.316	1.392	1.242	1.281	1.230	1.298	4.24	
79) S	Terphenyl-d14	1.067	1.061	1.069	1.123	1.030	1.044	1.003	1.057	3.55	
80)	Butylbenzylphth...	0.437	0.438	0.464	0.497	0.447	0.479	0.458	0.460	4.78	
81)	Benzo(a)anthra...	1.280	1.239	1.285	1.353	1.238	1.291	1.253	1.277	3.15	
82)	3,3'-Dichlorob...	0.418	0.431	0.458	0.423	0.443	0.420	0.432		3.58	
83)	Chrysene	1.226	1.200	1.195	1.297	1.173	1.210	1.178	1.211	3.48	
84)	Bis(2-ethylhex...	0.605	0.637	0.640	0.692	0.641	0.670	0.658	0.649	4.26	
85) c	Di-n-octyl pht...	1.055	1.050	1.153	1.073	1.125	1.089	1.091		3.74	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.368	1.320	1.378	1.493	1.387	1.431	1.368	1.392	3.98
88)	Benzo(b)fluora...	1.077	1.084	1.171	1.212	1.142	1.169	1.109	1.138	4.40
89)	Benzo(k)fluora...	1.139	1.082	1.145	1.233	1.123	1.156	1.142	1.146	3.97
90) C	Benzo(a)pyrene	1.017	0.999	1.059	1.122	1.031	1.075	1.037	1.049	3.91
91)	Dibenzo(a,h)an...	1.047	1.053	1.121	1.190	1.115	1.151	1.116	1.113	4.55
92)	Benzo(g,h,i)pe...	1.059	1.053	1.088	1.153	1.069	1.104	1.048	1.082	3.41

(#) = Out of Range