

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP072125.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jul 22 02:55:21 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BP025196.D 5 =BP025197.D 10 =BP025198.D 20 =BP025199.D 40 =BP025200.D 50 =BP025201.D 60 =BP025202.D 80 =BP025203.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane		0.465	0.448	0.444	0.428	0.465	0.439	0.417	0.444	4.00
3)	Pyridine		1.216	1.139	1.178	1.166	1.258	1.199	1.155	1.188	3.42
4)	n-Nitrosodimet...			0.443	0.468	0.468	0.502	0.481	0.463	0.471	4.16
5) S	2-Fluorophenol		1.225	1.157	1.200	1.163	1.241	1.183	1.117	1.184	3.58
6)	Aniline		1.917	1.817	1.913	1.926	2.037	1.940	1.864	1.916	3.55
7) S	Phenol-d6		1.475	1.426	1.477	1.468	1.544	1.473	1.399	1.466	3.11
8)	2-Chlorophenol		1.343	1.287	1.346	1.338	1.421	1.365	1.301	1.343	3.27
9)	Benzaldehyde			0.925	0.954	1.109	1.237	0.994	0.745	0.994	16.85
10) C	Phenol		1.528	1.464	1.521	1.519	1.613	1.531	1.466	1.520	3.29
11)	bis(2-Chloroet...		1.181	1.125	1.157	1.164	1.243	1.170	1.118	1.166	3.54
12)	1,3-Dichlorobe...		1.563	1.492	1.514	1.493	1.579	1.502	1.429	1.510	3.31
13) C	1,4-Dichlorobe...		1.574	1.496	1.532	1.506	1.603	1.514	1.447	1.525	3.39
14)	1,2-Dichlorobe...		1.534	1.420	1.461	1.451	1.542	1.456	1.401	1.467	3.65
15)	Benzyl Alcohol			1.000	1.051	1.063	1.123	1.077	1.031	1.057	3.95
16)	2,2'-oxybis(1-...		1.518	1.433	1.497	1.487	1.595	1.483	1.426	1.491	3.79
17)	2-Methylphenol		1.045	1.003	1.053	1.058	1.130	1.065	1.025	1.054	3.77
18)	Hexachloroethane		0.529	0.510	0.517	0.520	0.557	0.530	0.507	0.524	3.19
19) P	n-Nitroso-di-n...	0.864	0.909	0.837	0.899	0.888	0.949	0.881	0.830	0.882	4.41
20)	3+4-Methylphenols			1.354	1.436	1.440	1.549	1.462	1.386	1.438	4.68
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone		0.479	0.468	0.482	0.450	0.490	0.463	0.427	0.465	4.67
23) S	Nitrobenzene-d5		0.368	0.355	0.369	0.352	0.380	0.363	0.332	0.360	4.24
24)	Nitrobenzene		0.322	0.317	0.326	0.314	0.338	0.325	0.304	0.321	3.34
25)	Isophorone		0.649	0.613	0.647	0.622	0.663	0.635	0.600	0.633	3.51
26) C	2-Nitrophenol		0.173	0.169	0.183	0.183	0.201	0.194	0.186	0.184	6.05
27)	2,4-Dimethylph...		0.306	0.300	0.312	0.303	0.328	0.314	0.295	0.308	3.53
28)	bis(2-Chloroet...		0.408	0.391	0.406	0.383	0.417	0.399	0.367	0.396	4.34
29) C	2,4-Dichloroph...		0.314	0.305	0.320	0.313	0.336	0.322	0.306	0.317	3.35
30)	1,2,4-Trichlor...		0.359	0.345	0.349	0.334	0.361	0.347	0.326	0.346	3.58
31)	Naphthalene		1.078	1.018	1.046	0.996	1.070	1.016	0.941	1.023	4.61
32)	Benzoic acid			0.182	0.226	0.235	0.262	0.258	0.249	0.235	12.48
33)	4-Chloroaniline		0.456	0.437	0.456	0.438	0.475	0.462	0.426	0.450	3.75
34) C	Hexachlorobuta...		0.213	0.205	0.211	0.203	0.217	0.211	0.197	0.208	3.33
35)	Caprolactam			0.099	0.107	0.101	0.112	0.109	0.103	0.105	4.63
36) C	4-Chloro-3-met...		0.313	0.311	0.322	0.307	0.333	0.324	0.306	0.317	3.23
37)	2-Methylnaphth...		0.687	0.659	0.681	0.646	0.696	0.664	0.620	0.665	3.95
38)	1-Methylnaphth...		0.733	0.692	0.714	0.681	0.732	0.695	0.639	0.698	4.70

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.611	0.588	0.601	0.590	0.639	0.597	0.571	0.599	3.54
41) P	Hexachlorocycl...	0.288	0.329	0.354	0.403	0.392	0.381	0.358		12.18
42) S	2,4,6-Tribromo...	0.297	0.288	0.298	0.288	0.316	0.296	0.281	0.295	3.77
43) C	2,4,6-Trichlor...	0.391	0.394	0.412	0.408	0.442	0.416	0.405	0.410	4.09
44)	2,4,5-Trichlor...	0.437	0.438	0.452	0.450	0.478	0.459	0.441	0.451	3.25
45) S	2-Fluorobiphenyl	1.616	1.525	1.525	1.401	1.486	1.252	1.125	1.419	12.22
46)	1,1'-Biphenyl	1.523	1.474	1.469	1.426	1.502	1.418	1.336	1.450	4.32
47)	2-Chloronaphth...	1.176	1.144	1.126	1.104	1.178	1.123	1.072	1.132	3.37
48)	2-Nitroaniline	0.267	0.274	0.290	0.287	0.319	0.297	0.290	0.289	5.72
49)	Acenaphthylene	1.890	1.843	1.893	1.809	1.958	1.802	1.620	1.831	5.88
50)	Dimethylphthalate	1.515	1.438	1.457	1.378	1.508	1.401	1.315	1.430	5.01
51)	2,6-Dinitrotol...	0.292	0.295	0.312	0.310	0.335	0.321	0.310	0.311	4.80
52) C	Acenaphthene	1.108	1.069	1.077	1.030	1.127	1.032	0.968	1.059	5.08
53)	3-Nitroaniline	0.328	0.337	0.352	0.342	0.384	0.360	0.350	0.350	5.15
54) P	2,4-Dinitrophenol	0.133	0.167	0.181	0.211	0.207	0.205	0.184		16.39
55)	Dibenzofuran	1.831	1.721	1.749	1.676	1.784	1.658	1.550	1.710	5.40
56) P	4-Nitrophenol	0.277	0.299	0.289	0.323	0.313	0.298	0.300		5.57
57)	2,4-Dinitrotol...	0.395	0.402	0.439	0.434	0.482	0.457	0.437	0.435	6.88
58)	Fluorene	1.467	1.383	1.399	1.327	1.413	1.294	1.221	1.358	6.10
59)	2,3,4,6-Tetrac...	0.397	0.380	0.402	0.391	0.427	0.406	0.390	0.399	3.75
60)	Diethylphthalate	1.490	1.408	1.428	1.379	1.504	1.377	1.282	1.410	5.34
61)	4-Chlorophenyl...	0.742	0.707	0.697	0.673	0.704	0.657	0.623	0.686	5.66
62)	4-Nitroaniline	0.335	0.339	0.367	0.346	0.389	0.366	0.353	0.356	5.28
63)	Azobenzene	1.159	1.123	1.169	1.121	1.219	1.156	1.095	1.149	3.53
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.101	0.123	0.132	0.145	0.138	0.136	0.129		12.09
66) c	n-Nitrosodiphe...	0.637	0.617	0.625	0.601	0.634	0.596	0.539	0.607	5.56
67)	4-Bromophenyl-...	0.234	0.231	0.233	0.233	0.248	0.235	0.220	0.233	3.51
68)	Hexachlorobenzene	0.282	0.275	0.281	0.280	0.289	0.276	0.257	0.277	3.70
69)	Atrazine	0.222	0.223	0.230	0.221	0.239	0.226	0.212	0.225	3.79
70) C	Pentachlorophenol	0.170	0.187	0.190	0.203	0.196	0.185	0.188		5.87
71)	Phenanthrene	1.158	1.116	1.115	1.070	1.112	1.047	0.932	1.079	6.85
72)	Anthracene	1.140	1.130	1.142	1.083	1.161	1.065	0.885	1.087	8.77
73)	Carbazole	1.095	1.071	1.086	1.029	1.101	1.004	0.875	1.037	7.70
74)	Di-n-butylphth...	1.264	1.248	1.288	1.211	1.300	1.145	0.923	1.197	11.01
75) C	Fluoranthene	1.350	1.343	1.337	1.252	1.306	1.185	1.114	1.270	7.15
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.711	0.783	0.846	0.716	0.626	0.531	0.702		15.92
78)	Pyrene	1.316	1.229	1.273	1.258	1.279	1.187	1.090	1.233	6.09
79) S	Terphenyl-d14	1.209	1.162	1.127	0.890	0.967	0.724		1.013	18.40
80)	Butylbenzylphth...	0.558	0.536	0.560	0.564	0.587	0.566	0.537	0.558	3.17
81)	Benzo(a)anthra...	1.339	1.289	1.311	1.244	1.322	1.221	1.115	1.263	6.14
82)	3,3'-Dichlorob...	0.524	0.550	0.509	0.550	0.525	0.483	0.524		4.89
83)	Chrysene	1.254	1.202	1.215	1.159	1.236	1.147	1.040	1.179	6.13
84)	Bis(2-ethylhex...	0.828	0.801	0.817	0.802	0.840	0.780	0.719	0.798	5.02
85) c	Di-n-octyl pht...	1.368	1.457	1.384	1.492	1.354	1.214	1.378		7.01

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86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	1.498 1.428 1.461 1.426 1.540 1.460 1.417 1.462	3.02
88)	Benzo(b)fluora...	1.200 1.164 1.149 1.132 1.187 1.123 1.059 1.145	4.11
89)	Benzo(k)fluora...	1.191 1.117 1.148 1.134 1.201 1.118 1.003 1.130	5.77
90) C	Benzo(a)pyrene	1.144 1.099 1.131 1.103 1.183 1.108 1.050 1.117	3.73
91)	Dibenzo(a,h)an...	1.216 1.181 1.205 1.175 1.251 1.190 1.128 1.192	3.20
92)	Benzo(g,h,i)pe...	1.211 1.141 1.178 1.150 1.226 1.163 1.135 1.172	2.99

(#) = Out of Range