

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP111825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Nov 19 01:25:31 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BP026143.D 5 =BP026144.D 10 =BP026145.D 20 =BP026146.D 40 =BP026147.D 50 =BP026148.D 60 =BP026149.D 80 =BP026150.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane		0.507	0.520	0.524	0.487	0.502	0.505	0.494	0.505	2.61
3)	Pyridine		1.401	1.459	1.510	1.445	1.485	1.466	1.458	1.461	2.32
4)	n-Nitrosodimet...			0.535	0.560	0.540	0.552	0.549	0.540	0.546	1.75
5) S	2-Fluorophenol		1.193	1.249	1.277	1.245	1.255	1.258	1.245	1.246	2.08
6)	Aniline		1.953	2.050	2.154	2.122	2.138	2.127	2.117	2.094	3.36
7) S	Phenol-d6		1.465	1.564	1.623	1.617	1.632	1.606	1.596	1.586	3.64
8)	2-Chlorophenol		1.318	1.398	1.438	1.431	1.452	1.439	1.453	1.418	3.37
9)	Benzaldehyde			0.963	0.899	0.922	0.719	0.812	0.673	0.831	14.04
10) C	Phenol		1.570	1.658	1.757	1.746	1.759	1.742	1.729	1.709	4.12
11)	bis(2-Chloroet...		1.252	1.334	1.368	1.361	1.363	1.338	1.350	1.338	3.00
12)	1,3-Dichlorobe...		1.511	1.526	1.570	1.525	1.528	1.518	1.518	1.528	1.28
13) C	1,4-Dichlorobe...		1.495	1.547	1.589	1.540	1.546	1.532	1.530	1.540	1.81
14)	1,2-Dichlorobe...		1.453	1.482	1.521	1.479	1.480	1.470	1.464	1.479	1.46
15)	Benzyl Alcohol			1.074	1.181	1.187	1.194	1.164	1.173	1.162	3.82
16)	2,2'-oxybis(1-...		1.769	1.841	1.961	1.914	1.924	1.852	1.892	1.879	3.40
17)	2-Methylphenol		1.067	1.126	1.191	1.195	1.202	1.180	1.182	1.163	4.25
18)	Hexachloroethane		0.527	0.559	0.569	0.565	0.565	0.557	0.581	0.560	2.99
19) P	n-Nitroso-di-n...	0.937	0.899	0.960	1.063	1.024	1.039	0.975	0.986	0.985	5.53
20)	3+4-Methylphenols			1.530	1.656	1.624	1.648	1.601	1.613	1.612	2.82
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone		0.497	0.521	0.530	0.507	0.504	0.507	0.493	0.508	2.58
23) S	Nitrobenzene-d5		0.335	0.357	0.362	0.355	0.351	0.355	0.349	0.352	2.39
24)	Nitrobenzene		0.339	0.356	0.368	0.359	0.357	0.360	0.354	0.356	2.50
25)	Isophorone		0.655	0.693	0.736	0.710	0.710	0.686	0.697	0.698	3.57
26) C	2-Nitrophenol		0.152	0.164	0.182	0.189	0.189	0.192	0.193	0.180	8.87
27)	2,4-Dimethylph...		0.305	0.327	0.337	0.328	0.328	0.327	0.323	0.325	3.06
28)	bis(2-Chloroet...		0.425	0.439	0.454	0.439	0.442	0.426	0.436	0.437	2.28
29) C	2,4-Dichloroph...		0.298	0.322	0.335	0.331	0.330	0.330	0.328	0.325	3.81
30)	1,2,4-Trichlor...		0.331	0.337	0.337	0.330	0.325	0.328	0.328	0.331	1.36
31)	Naphthalene		1.080	1.114	1.115	1.073	1.073	1.059	1.052	1.081	2.30
32)	Benzoic acid			0.209	0.268	0.276	0.276	0.329	0.285	0.274	14.03
33)	4-Chloroaniline		0.429	0.461	0.479	0.472	0.463	0.458	0.457	0.460	3.45
34) C	Hexachlorobuta...		0.213	0.218	0.219	0.215	0.211	0.212	0.219	0.215	1.65
35)	Caprolactam			0.113	0.123	0.117	0.118	0.114	0.113	0.116	3.36
36) C	4-Chloro-3-met...		0.314	0.342	0.366	0.354	0.356	0.344	0.342	0.345	4.75
37)	2-Methylnaphth...		0.732	0.791	0.804	0.773	0.773	0.746	0.744	0.766	3.47
38)	1-Methylnaphth...		0.735	0.767	0.785	0.763	0.746	0.729	0.719	0.749	3.17

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.607	0.610	0.613	0.597	0.594	0.610	0.603	0.605	1.19
41) P	Hexachlorocycl...		0.347	0.382	0.396	0.396	0.418	0.436	0.396	7.76
42) S	2,4,6-Tribromo...	0.241	0.253	0.273	0.264	0.262	0.260	0.262	0.259	3.87
43) C	2,4,6-Trichlor...	0.380	0.404	0.431	0.420	0.420	0.426	0.420	0.415	4.21
44)	2,4,5-Trichlor...	0.428	0.454	0.482	0.467	0.469	0.473	0.468	0.463	3.72
45) S	2-Fluorobiphenyl	1.430	1.442	1.453	1.337	1.317	1.325	1.249	1.365	5.68
46)	1,1'-Biphenyl	1.499	1.540	1.580	1.489	1.469	1.504	1.460	1.506	2.78
47)	2-Chloronaphth...	1.167	1.215	1.217	1.169	1.164	1.195	1.162	1.184	2.04
48)	2-Nitroaniline	0.289	0.310	0.345	0.338	0.336	0.349	0.339	0.329	6.58
49)	Acenaphthylene	1.890	1.987	2.051	1.947	1.943	1.951	1.906	1.953	2.74
50)	Dimethylphthalate	1.470	1.517	1.573	1.494	1.470	1.470	1.462	1.494	2.66
51)	2,6-Dinitrotol...	0.235	0.267	0.310	0.315	0.312	0.313	0.319	0.296	10.85
52) C	Acenaphthene	1.139	1.182	1.180	1.138	1.141	1.153	1.081	1.145	2.95
53)	3-Nitroaniline	0.286	0.330	0.368	0.362	0.364	0.368	0.362	0.349	8.74
54) P	2,4-Dinitrophenol		0.124	0.174	0.186	0.187	0.194	0.208	0.179	16.32
55)	Dibenzofuran	1.779	1.832	1.880	1.765	1.763	1.738	1.654	1.773	4.02
56) P	4-Nitrophenol		0.290	0.331	0.316	0.314	0.324	0.317	0.315	4.47
57)	2,4-Dinitrotol...	0.362	0.407	0.469	0.467	0.464	0.465	0.459	0.442	9.40
58)	Fluorene	1.447	1.490	1.500	1.380	1.374	1.351	1.267	1.401	5.94
59)	2,3,4,6-Tetrac...	0.361	0.391	0.409	0.400	0.397	0.396	0.394	0.393	3.80
60)	Diethylphthalate	1.493	1.507	1.592	1.522	1.493	1.462	1.465	1.505	2.92
61)	4-Chlorophenyl...	0.718	0.717	0.741	0.693	0.691	0.673	0.648	0.697	4.47
62)	4-Nitroaniline	0.313	0.359	0.394	0.365	0.368	0.376	0.358	0.362	6.90
63)	Azobenzene	1.200	1.276	1.346	1.290	1.279	1.252	1.240	1.269	3.58
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.099	0.123	0.134	0.132	0.134	0.141	0.127	11.84
66) c	n-Nitrosodiphe...	0.598	0.640	0.641	0.624	0.610	0.609	0.610	0.619	2.70
67)	4-Bromophenyl-...	0.208	0.219	0.223	0.229	0.221	0.221	0.229	0.221	3.29
68)	Hexachlorobenzene	0.243	0.260	0.260	0.265	0.255	0.254	0.263	0.257	2.91
69)	Atrazine	0.217	0.232	0.247	0.238	0.233	0.229	0.237	0.233	3.94
70) C	Pentachlorophenol		0.170	0.179	0.183	0.179	0.180	0.187	0.180	3.30
71)	Phenanthrene	1.128	1.179	1.179	1.122	1.102	1.089	1.087	1.127	3.43
72)	Anthracene	1.122	1.194	1.198	1.171	1.122	1.134	1.102	1.149	3.33
73)	Carbazole	1.083	1.178	1.151	1.105	1.045	1.050	1.030	1.091	5.15
74)	Di-n-butylphth...	1.219	1.290	1.372	1.358	1.304	1.223	1.290	1.294	4.57
75) C	Fluoranthene	1.383	1.464	1.452	1.369	1.308	1.319	1.287	1.369	5.09
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.727	0.733	0.616	0.631	0.594	0.508	0.635	13.43
78)	Pyrene	1.266	1.318	1.375	1.331	1.309	1.302	1.277	1.311	2.75
79) S	Terphenyl-d14	1.024	1.037	1.061	0.990	0.971	0.918	0.866	0.981	7.08
80)	Butylbenzylpht...	0.546	0.552	0.612	0.603	0.588	0.555	0.587	0.578	4.60
81)	Benzo(a)anthra...	1.373	1.401	1.437	1.376	1.349	1.350	1.328	1.374	2.65
82)	3,3'-Dichlorob...		0.513	0.526	0.500	0.492	0.491	0.475	0.500	3.61
83)	Chrysene	1.298	1.336	1.341	1.284	1.266	1.279	1.257	1.295	2.54
84)	Bis(2-ethylhex...	0.842	0.825	0.918	0.933	0.876	0.814	0.911	0.874	5.48
85) c	Di-n-octyl pht...		1.414	1.572	1.581	1.553	1.467	1.584	1.529	4.64

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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.442	1.484	1.538	1.511	1.483	1.531	1.511	1.500	2.21
88)	Benzo(b)fluora...	1.190	1.226	1.271	1.237	1.222	1.200	1.180	1.218	2.57
89)	Benzo(k)fluora...	1.206	1.228	1.275	1.213	1.213	1.192	1.189	1.217	2.38
90) C	Benzo(a)pyrene	1.121	1.153	1.198	1.168	1.147	1.146	1.142	1.154	2.10
91)	Dibenzo(a,h)an...	1.177	1.220	1.274	1.237	1.209	1.245	1.232	1.228	2.48
92)	Benzo(g,h,i)pe...	1.175	1.230	1.253	1.223	1.185	1.244	1.234	1.220	2.41

(#) = Out of Range