

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP111825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 15 01:38:31 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	0.490	0.502	0.505	0.494	0.506		2.46
3)	Pyridine	1.401	1.459	1.510	1.391	1.485	1.466	1.458	1.453		2.96
4)	n-Nitrosodimet...		0.535	0.560	0.515	0.552	0.549	0.540	0.542		2.93
5) S	2-Fluorophenol	1.193	1.249	1.277	1.231	1.255	1.258	1.245	1.244		2.14
6)	Aniline	1.953	2.050	2.154	1.885	2.138	2.127	2.117	2.061		5.04
7) S	Phenol-d6	1.465	1.564	1.623	1.505	1.632	1.606	1.596	1.570		4.02
8)	2-Chlorophenol	1.318	1.398	1.438	1.398	1.452	1.439	1.453	1.414		3.40
9)	Benzaldehyde		0.963	0.899	1.014	0.719	0.812	0.673	0.847		16.00
10) C	Phenol	1.570	1.658	1.757	1.608	1.759	1.742	1.729	1.689		4.58
11)	bis(2-Chloroet...	1.252	1.334	1.368	1.265	1.363	1.338	1.350	1.324		3.54
12)	1,3-Dichlorobe...	1.511	1.526	1.570	1.537	1.528	1.518	1.518	1.530		1.29
13) C	1,4-Dichlorobe...	1.495	1.547	1.589	1.552	1.546	1.532	1.530	1.541		1.83
14)	1,2-Dichlorobe...	1.453	1.482	1.521	1.487	1.480	1.470	1.464	1.480		1.47
15)	Benzyl Alcohol		1.074	1.181	1.064	1.194	1.164	1.173	1.142		5.01
16)	2,2'-oxybis(1-...	1.769	1.841	1.961	1.699	1.924	1.852	1.892	1.848		4.89
17)	2-Methylphenol	1.067	1.126	1.191	1.077	1.202	1.180	1.182	1.146		4.92
18)	Hexachloroethane	0.527	0.559	0.569	0.562	0.565	0.557	0.581	0.560		2.98
19) P	n-Nitroso-di-n...	0.937	0.899	0.960	1.063	0.884	1.039	0.975	0.986	0.968	6.44
20)	3+4-Methylphenols		1.530	1.656	1.450	1.648	1.601	1.613	1.583		5.00
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.497	0.521	0.530	0.499	0.504	0.507	0.493	0.507		2.67
23) S	Nitrobenzene-d5	0.335	0.357	0.362	0.350	0.351	0.355	0.349	0.351		2.37
24)	Nitrobenzene	0.339	0.356	0.368	0.352	0.357	0.360	0.354	0.355		2.51
25)	Isophorone	0.655	0.693	0.736	0.649	0.710	0.686	0.697	0.689		4.37
26) C	2-Nitrophenol	0.152	0.164	0.182	0.184	0.189	0.192	0.193	0.180		8.72
27)	2,4-Dimethylph...	0.305	0.327	0.337	0.278	0.328	0.327	0.323	0.318		6.31
28)	bis(2-Chloroet...	0.425	0.439	0.454	0.411	0.442	0.426	0.436	0.433		3.19
29) C	2,4-Dichloroph...	0.298	0.322	0.335	0.325	0.330	0.330	0.328	0.324		3.73
30)	1,2,4-Trichlor...	0.331	0.337	0.337	0.346	0.325	0.328	0.328	0.333		2.16
31)	Naphthalene	1.080	1.114	1.115	1.075	1.073	1.059	1.052	1.081		2.29
32)	Benzoic acid		0.209	0.268	0.162	0.276	0.329	0.285	0.255		23.37
33)	4-Chloroaniline	0.429	0.461	0.479	0.425	0.463	0.458	0.457	0.453		4.30
34) C	Hexachlorobuta...	0.213	0.218	0.219	0.231	0.211	0.212	0.219	0.217		3.17
35)	Caprolactam		0.113	0.123	0.106	0.118	0.114	0.113	0.114		4.96
36) C	4-Chloro-3-met...	0.314	0.342	0.366	0.323	0.356	0.344	0.342	0.341		5.21
37)	2-Methylnaphth...	0.732	0.791	0.804	0.743	0.773	0.746	0.744	0.762		3.64
38)	1-Methylnaphth...	0.735	0.767	0.785	0.731	0.746	0.729	0.719	0.744		3.18

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP111825.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.607	0.610	0.613	0.637	0.594	0.610	0.603	0.611	2.18	
41) P	Hexachlorocycl...		0.347	0.382	0.306	0.396	0.418	0.436	0.381	12.53	
42) S	2,4,6-Tribromo...	0.241	0.253	0.273	0.269	0.262	0.260	0.262	0.260	4.04	
43) C	2,4,6-Trichlor...	0.380	0.404	0.431	0.422	0.420	0.426	0.420	0.415	4.24	
44)	2,4,5-Trichlor...	0.428	0.454	0.482	0.462	0.469	0.473	0.468	0.462	3.71	
45) S	2-Fluorobiphenyl	1.430	1.442	1.453	1.414	1.317	1.325	1.249	1.376	5.70	
46)	1,1'-Biphenyl	1.499	1.540	1.580	1.519	1.469	1.504	1.460	1.510	2.74	
47)	2-Chloronaphth...	1.167	1.215	1.217	1.208	1.164	1.195	1.162	1.190	2.07	
48)	2-Nitroaniline	0.289	0.310	0.345	0.314	0.336	0.349	0.339	0.326	6.75	
49)	Acenaphthylene	1.890	1.987	2.051	1.941	1.943	1.951	1.906	1.953	2.75	
50)	Dimethylphthalate	1.470	1.517	1.573	1.469	1.470	1.470	1.462	1.490	2.74	
51)	2,6-Dinitrotol...	0.235	0.267	0.310	0.305	0.312	0.313	0.319	0.295	10.63	
52) C	Acenaphthene	1.139	1.182	1.180	1.117	1.141	1.153	1.081	1.142	3.10	
53)	3-Nitroaniline	0.286	0.330	0.368	0.332	0.364	0.368	0.362	0.344	8.81	
54) P	2,4-Dinitrophenol		0.124	0.174	0.056	0.187	0.194	0.208	0.157	36.56	
55)	Dibenzofuran	1.779	1.832	1.880	1.782	1.763	1.738	1.654	1.776	4.01	
56) P	4-Nitrophenol		0.290	0.331	0.269	0.314	0.324	0.317	0.307	7.70	
57)	2,4-Dinitrotol...	0.362	0.407	0.469	0.440	0.464	0.465	0.459	0.438	9.14	
58)	Fluorene	1.447	1.490	1.500	1.403	1.374	1.351	1.267	1.405	5.89	
59)	2,3,4,6-Tetrac...	0.361	0.391	0.409	0.390	0.397	0.396	0.394	0.391	3.73	
60)	Diethylphthalate	1.493	1.507	1.592	1.452	1.493	1.462	1.465	1.495	3.16	
61)	4-Chlorophenyl...	0.718	0.717	0.741	0.714	0.691	0.673	0.648	0.700	4.53	
62)	4-Nitroaniline	0.313	0.359	0.394	0.333	0.368	0.376	0.358	0.357	7.59	
63)	Azobenzene	1.200	1.276	1.346	1.206	1.279	1.252	1.240	1.257	3.96	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.099	0.123	0.081	0.132	0.134	0.141	0.118	19.93	
66) c	n-Nitrosodiphe...	0.598	0.640	0.641	0.622	0.610	0.609	0.610	0.618	2.68	
67)	4-Bromophenyl-...	0.208	0.219	0.223	0.231	0.221	0.221	0.229	0.222	3.43	
68)	Hexachlorobenzene	0.243	0.260	0.260	0.269	0.255	0.254	0.263	0.258	3.27	
69)	Atrazine	0.217	0.232	0.247	0.232	0.233	0.229	0.237	0.233	3.86	
70) C	Pentachlorophenol		0.170	0.179	0.177	0.179	0.180	0.187	0.179	3.20	
71)	Phenanthrene	1.128	1.179	1.179	1.128	1.102	1.089	1.087	1.127	3.43	
72)	Anthracene	1.122	1.194	1.198	1.166	1.122	1.134	1.102	1.148	3.29	
73)	Carbazole	1.083	1.178	1.151	1.075	1.045	1.050	1.030	1.087	5.16	
74)	Di-n-butylphth...	1.219	1.290	1.372	1.292	1.304	1.223	1.290	1.284	4.05	
75) C	Fluoranthene	1.383	1.464	1.452	1.392	1.308	1.319	1.287	1.372	5.12	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.727	0.733	0.575	0.631	0.594	0.508	0.628	14.11	
78)	Pyrene	1.266	1.318	1.375	1.275	1.309	1.302	1.277	1.303	2.85	
79) S	Terphenyl-d14	1.024	1.037	1.061	0.974	0.971	0.918	0.866	0.979	7.08	
80)	Butylbenzylpht...	0.546	0.552	0.612	0.564	0.588	0.555	0.587	0.572	4.24	
81)	Benzo(a)anthra...	1.373	1.401	1.437	1.364	1.349	1.350	1.328	1.372	2.66	
82)	3,3'-Dichlorob...		0.513	0.526	0.498	0.492	0.491	0.475	0.499	3.61	
83)	Chrysene	1.298	1.336	1.341	1.316	1.266	1.279	1.257	1.299	2.57	
84)	Bis(2-ethylhex...	0.842	0.825	0.918	0.836	0.876	0.814	0.911	0.860	4.84	
85) c	Di-n-octyl pht...		1.414	1.572	1.510	1.553	1.467	1.584	1.517	4.37	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP111825.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.442	1.484	1.538	1.592	1.483	1.531	1.511	1.512	3.20
88)	Benzo(b)fluora...	1.190	1.226	1.271	1.220	1.222	1.200	1.180	1.215	2.48
89)	Benzo(k)fluora...	1.206	1.228	1.275	1.209	1.213	1.192	1.189	1.216	2.39
90) C	Benzo(a)pyrene	1.121	1.153	1.198	1.160	1.147	1.146	1.142	1.153	2.05
91)	Dibenzo(a,h)an...	1.177	1.220	1.274	1.296	1.209	1.245	1.232	1.236	3.24
92)	Benzo(g,h,i)pe...	1.175	1.230	1.253	1.307	1.185	1.244	1.234	1.232	3.58

(#) = Out of Range