

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP070325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jul 03 16:05:44 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BP025071.D 5 =BP025072.D 10 =BP025073.D 20 =BP025074.D 40 =BP025075.D 50 =BP025076.D 60 =BP025077.D 80 =BP025078.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.470	0.452	0.457	0.435	0.420	0.428	0.409	0.439	4.99	
3)	Pyridine	1.176	1.153	1.243	1.228	1.171	1.239	1.203	1.202	3.00	
4)	n-Nitrosodimet...	0.500	0.531	0.506	0.493	0.522	0.500	0.509	2.85		
5) S	2-Fluorophenol	1.070	1.098	1.179	1.134	1.127	1.168	1.127	1.129	3.33	
6)	Aniline	1.334	1.324	1.430	1.388	1.371	1.428	1.359	1.376	3.05	
7) S	Phenol-d6	1.428	1.407	1.520	1.458	1.472	1.543	1.482	1.473	3.26	
8)	2-Chlorophenol	1.254	1.207	1.320	1.256	1.250	1.294	1.259	1.263	2.83	
9)	Benzaldehyde	0.903	0.894	0.724	0.684	0.641	0.769	15.84			
10) C	Phenol	1.473	1.461	1.551	1.472	1.485	1.540	1.493	1.497	2.36	
11)	bis(2-Chloroet...	1.187	1.139	1.200	1.122	1.129	1.172	1.115	1.152	2.95	
12)	1,3-Dichlorobe...	1.461	1.434	1.485	1.379	1.366	1.413	1.356	1.413	3.48	
13) C	1,4-Dichlorobe...	1.500	1.432	1.505	1.399	1.384	1.424	1.374	1.431	3.70	
14)	1,2-Dichlorobe...	1.454	1.388	1.445	1.349	1.329	1.368	1.303	1.377	4.12	
15)	Benzyl Alcohol	0.887	0.991	0.957	0.990	1.058	1.015	0.983	5.86		
16)	2,2'-oxybis(1-...	1.587	1.520	1.570	1.433	1.462	1.497	1.415	1.498	4.40	
17)	2-Methylphenol	0.887	0.908	1.007	0.969	0.974	1.021	0.983	0.964	5.11	
18)	Hexachloroethane	0.476	0.441	0.480	0.460	0.463	0.481	0.462	0.466	3.04	
19) P	n-Nitroso-di-n...	0.815	0.862	0.854	0.938	0.865	0.871	0.912	0.872	0.874	4.26
20)	3+4-Methylphenols	1.246	1.383	1.334	1.341	1.428	1.370	1.350	4.55		
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.480	0.481	0.502	0.465	0.456	0.480	0.447	0.473	3.88	
23) S	Nitrobenzene-d5	0.267	0.277	0.314	0.307	0.308	0.323	0.308	0.301	6.84	
24)	Nitrobenzene	0.280	0.293	0.319	0.310	0.307	0.327	0.308	0.306	5.13	
25)	Isophorone	0.525	0.534	0.587	0.558	0.571	0.597	0.561	0.562	4.67	
26) C	2-Nitrophenol	0.086	0.093	0.117	0.133	0.146	0.160	0.159	0.128	23.51	
27)	2,4-Dimethylph...	0.199	0.195	0.218	0.208	0.213	0.224	0.210	0.210	4.79	
28)	bis(2-Chloroet...	0.378	0.371	0.401	0.374	0.379	0.397	0.371	0.382	3.25	
29) C	2,4-Dichloroph...	0.242	0.263	0.298	0.299	0.304	0.321	0.306	0.291	9.48	
30)	1,2,4-Trichlor...	0.319	0.319	0.331	0.319	0.316	0.335	0.314	0.322	2.53	
31)	Naphthalene	1.057	1.030	1.081	1.011	1.005	1.049	0.975	1.030	3.47	
32)	Benzoic acid	0.115	0.152	0.186	0.199	0.225	0.231	0.185	24.07		
33)	4-Chloroaniline	0.358	0.370	0.399	0.390	0.381	0.411	0.381	0.384	4.58	
34) C	Hexachlorobuta...	0.187	0.180	0.188	0.182	0.184	0.191	0.180	0.185	2.31	
35)	Caprolactam	0.087	0.101	0.101	0.098	0.108	0.102	0.099	7.23		
36) C	4-Chloro-3-met...	0.259	0.279	0.321	0.309	0.309	0.332	0.316	0.304	8.35	
37)	2-Methylnaphth...	0.724	0.711	0.766	0.718	0.715	0.747	0.706	0.727	2.99	
38)	1-Methylnaphth...	0.707	0.704	0.753	0.692	0.691	0.736	0.678	0.709	3.74	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.554	0.549	0.584	0.580	0.578	0.610	0.568	0.575	3.56	
41) P	Hexachlorocycl...	0.120	0.135	0.149	0.162	0.171	0.164	0.150		13.13	
42) S	2,4,6-Tribromo...	0.194	0.214	0.240	0.246	0.244	0.266	0.249	0.236	10.22	
43) C	2,4,6-Trichlor...	0.271	0.295	0.355	0.370	0.368	0.399	0.379	0.348	13.51	
44)	2,4,5-Trichlor...	0.326	0.349	0.406	0.411	0.412	0.441	0.416	0.394	10.41	
45) S	2-Fluorobiphenyl	1.338	1.310	1.361	1.279	1.260	1.311	1.177	1.291	4.70	
46)	1,1'-Biphenyl	1.482	1.436	1.510	1.454	1.435	1.490	1.380	1.455	2.99	
47)	2-Chloronaphth...	1.097	1.089	1.141	1.091	1.069	1.121	1.048	1.094	2.83	
48)	2-Nitroaniline	0.157	0.185	0.235	0.259	0.259	0.289	0.273	0.237	20.49	
49)	Acenaphthylene	1.582	1.622	1.771	1.701	1.660	1.761	1.620	1.674	4.36	
50)	Dimethylphthalate	1.364	1.376	1.469	1.408	1.365	1.482	1.337	1.400	3.99	
51)	2,6-Dinitrotol...	0.199	0.238	0.281	0.295	0.291	0.313	0.294	0.273	14.58	
52) C	Acenaphthene	1.085	1.074	1.142	1.066	1.047	1.111	1.027	1.079	3.59	
53)	3-Nitroaniline	0.204	0.248	0.297	0.321	0.310	0.345	0.323	0.293	16.81	
54) P	2,4-Dinitrophenol	0.077	0.098	0.117	0.120	0.137	0.137	0.114		20.49	
55)	Dibenzofuran	1.829	1.814	1.866	1.768	1.720	1.813	1.655	1.781	4.07	
56) P	4-Nitrophenol	0.212	0.260	0.285	0.274	0.301	0.289	0.270		11.73	
57)	2,4-Dinitrotol...	0.231	0.285	0.364	0.392	0.387	0.430	0.406	0.356	20.13	
58)	Fluorene	1.382	1.384	1.467	1.393	1.335	1.403	1.278	1.377	4.27	
59)	2,3,4,6-Tetrac...	0.305	0.318	0.370	0.370	0.363	0.397	0.377	0.357	9.32	
60)	Diethylphthalate	1.368	1.376	1.468	1.429	1.366	1.477	1.358	1.406	3.64	
61)	4-Chlorophenyl...	0.711	0.687	0.710	0.679	0.659	0.700	0.626	0.682	4.47	
62)	4-Nitroaniline	0.221	0.267	0.321	0.342	0.319	0.354	0.324	0.307	15.26	
63)	Azobenzene	1.251	1.275	1.328	1.265	1.211	1.265	1.171	1.252	3.98	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.054	0.069	0.081	0.089	0.097	0.098	0.082		21.25	
66) c	n-Nitrosodiphe...	0.557	0.548	0.597	0.573	0.574	0.592	0.565	0.572	3.11	
67)	4-Bromophenyl-...	0.191	0.190	0.213	0.205	0.208	0.214	0.213	0.205	5.14	
68)	Hexachlorobenzene	0.255	0.240	0.255	0.247	0.248	0.257	0.249	0.250	2.28	
69)	Atrazine	0.155	0.167	0.183	0.172	0.171	0.172	0.154	0.168	6.10	
70) C	Pentachlorophenol	0.131	0.163	0.172	0.178	0.186	0.184	0.169		12.03	
71)	Phenanthrene	1.102	1.084	1.104	1.068	1.030	1.082	1.011	1.069	3.34	
72)	Anthracene	0.998	0.996	1.092	1.036	1.021	1.062	0.971	1.025	4.10	
73)	Carbazole	0.954	0.994	1.057	1.029	0.990	1.017	0.976	1.002	3.45	
74)	Di-n-butylphth...	0.929	0.994	1.147	1.187	1.177	1.228	1.152	1.116	9.89	
75) C	Fluoranthene	1.170	1.222	1.330	1.290	1.249	1.268	1.215	1.249	4.22	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.177	0.354	0.571	0.420	0.288	0.310	0.353		37.82	
78)	Pyrene	1.177	1.184	1.288	1.231	1.251	1.302	1.238	1.239	3.81	
79) S	Terphenyl-d14	0.943	0.919	0.978	0.914	0.915	0.936	0.764	0.910	7.50	
80)	Butylbenzylpht...	0.228	0.276	0.377	0.440	0.471	0.519	0.499	0.402	28.01	
81)	Benzo(a)anthra...	1.146	1.175	1.293	1.217	1.207	1.258	1.189	1.212	4.11	
82)	3,3'-Dichlorob...	0.249	0.340	0.390	0.399	0.414	0.397	0.365		16.97	
83)	Chrysene	1.169	1.147	1.223	1.159	1.157	1.191	1.118	1.166	2.88	
84)	Bis(2-ethylhex...	0.460	0.520	0.646	0.703	0.737	0.764	0.720	0.650	17.89	
85) c	Di-n-octyl pht...	0.609	0.876	1.094	1.206	1.292	1.248	1.054		25.04	

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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.003	1.101	1.318	1.331	1.366	1.433	1.366	1.274	12.44
88)	Benzo(b)fluora...	1.029	1.063	1.215	1.201	1.188	1.266	1.187	1.164	7.36
89)	Benzo(k)fluora...	1.070	1.129	1.249	1.153	1.157	1.218	1.133	1.158	5.11
90) C	Benzo(a)pyrene	0.817	0.868	1.035	1.033	1.035	1.108	1.040	0.991	10.70
91)	Dibenzo(a,h)an...	0.840	0.921	1.098	1.097	1.126	1.172	1.118	1.053	11.66
92)	Benzo(g,h,i)pe...	0.915	0.967	1.126	1.127	1.142	1.197	1.142	1.088	9.58

(#) = Out of Range