

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM010325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jan 03 17:24:13 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BM049324.D 5 =BM049325.D 10 =BM049326.D 20 =BM049327.D 40 =BM049328.D 50 =BM049329.D 60 =BM049330.D 80 =BM049331.D

Compound		2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.611	0.544	0.560	0.506	0.519	0.529	0.494	0.538		7.28
3)	Pyridine	1.493	1.425	1.539	1.436	1.469	1.501	1.423	1.470		2.99
4)	n-Nitrosodimet...	0.654	0.636	0.644	0.609	0.614	0.624	0.586	0.624		3.71
5) S	2-Fluorophenol	1.259	1.221	1.284	1.262	1.288	1.326	1.255	1.271		2.57
6)	Aniline	1.328	1.336	1.385	1.301	1.322	1.312	1.221	1.315		3.76
7) S	Phenol-d6	1.551	1.568	1.635	1.623	1.690	1.704	1.637	1.630		3.48
8)	2-Chlorophenol	1.253	1.242	1.284	1.255	1.288	1.337	1.278	1.277		2.49
9)	Benzaldehyde	1.049	1.054	1.007	0.864	0.806	0.749		0.921		14.35
10) C	Phenol	1.583	1.571	1.639	1.596	1.658	1.685	1.617	1.621		2.57
11)	bis(2-Chloroet...	1.283	1.269	1.324	1.294	1.330	1.350	1.291	1.306		2.23
12)	1,3-Dichlorobe...	1.616	1.523	1.562	1.506	1.543	1.583	1.493	1.547		2.81
13) C	1,4-Dichlorobe...	1.601	1.545	1.572	1.524	1.569	1.607	1.509	1.561		2.38
14)	1,2-Dichlorobe...	1.544	1.489	1.517	1.474	1.524	1.546	1.445	1.506		2.50
15)	Benzyl Alcohol	0.941	0.959	1.035	1.025	1.098	1.118	1.072	1.035		6.46
16)	2,2'-oxybis(1-...	1.988	1.909	1.943	1.843	1.889	1.897	1.777	1.892		3.60
17)	2-Methylphenol	0.941	0.969	1.013	0.999	1.043	1.051	1.008	1.003		3.87
18)	Hexachloroethane	0.585	0.565	0.591	0.572	0.582	0.599	0.555	0.579		2.65
19) P	n-Nitroso-di-n...	1.008	0.944	1.003	1.048	1.047	1.106	1.097	1.037	1.036	5.06
20)	3+4-Methylphenols	1.244	1.283	1.386	1.380	1.452	1.455	1.412	1.373		5.90
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.523	0.523	0.542	0.536	0.550	0.564	0.538	0.539		2.72
23) S	Nitrobenzene-d5	0.399	0.398	0.426	0.424	0.433	0.444	0.423	0.421		4.01
24)	Nitrobenzene	0.418	0.412	0.439	0.424	0.432	0.445	0.425	0.428		2.74
25)	Isophorone	0.655	0.660	0.717	0.706	0.739	0.756	0.736	0.710		5.52
26) C	2-Nitrophenol	0.137	0.148	0.169	0.174	0.182	0.192	0.190	0.170		12.24
27)	2,4-Dimethylph...	0.188	0.196	0.209	0.211	0.217	0.224	0.221	0.210		6.35
28)	bis(2-Chloroet...	0.444	0.440	0.468	0.456	0.471	0.481	0.469	0.461		3.27
29) C	2,4-Dichloroph...	0.299	0.306	0.334	0.334	0.348	0.359	0.350	0.333		6.79
30)	1,2,4-Trichlor...	0.414	0.401	0.423	0.407	0.415	0.426	0.412	0.414		2.12
31)	Naphthalene	1.057	1.027	1.091	1.061	1.092	1.130	1.095	1.079		3.10
32)	Benzoic acid		0.171	0.195	0.215	0.230	0.241	0.250	0.217		13.68
33)	4-Chloroaniline	0.321	0.345	0.369	0.363	0.378	0.385	0.375	0.362		6.10
34) C	Hexachlorobuta...	0.268	0.257	0.268	0.258	0.265	0.273	0.263	0.265		2.19
35)	Caprolactam	0.076	0.080	0.092	0.092	0.101	0.101	0.101	0.092		11.51
36) C	4-Chloro-3-met...	0.287	0.287	0.314	0.316	0.339	0.345	0.339	0.318		7.62
37)	2-Methylnaphth...	0.684	0.696	0.739	0.734	0.769	0.796	0.776	0.742		5.60
38)	1-Methylnaphth...	0.694	0.692	0.730	0.726	0.758	0.781	0.762	0.735		4.67

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.666	0.672	0.687	0.684	0.690	0.714	0.700	0.688	2.34
41) P	Hexachlorocycl...	0.212	0.214	0.231	0.236	0.232	0.241	0.228	0.228	4.82
42) S	2,4,6-Tribromo...	0.234	0.235	0.258	0.269	0.287	0.296	0.292	0.267	9.78
43) C	2,4,6-Trichlor...	0.392	0.402	0.434	0.441	0.452	0.465	0.459	0.435	6.47
44)	2,4,5-Trichlor...	0.441	0.448	0.476	0.484	0.497	0.515	0.503	0.481	5.75
45) S	2-Fluorobiphenyl	1.502	1.487	1.555	1.550	1.569	1.590	1.520	1.539	2.42
46)	1,1'-Biphenyl	1.470	1.449	1.511	1.515	1.543	1.575	1.530	1.513	2.83
47)	2-Chloronaphth...	1.199	1.205	1.248	1.245	1.270	1.297	1.236	1.243	2.78
48)	2-Nitroaniline	0.274	0.289	0.321	0.336	0.355	0.364	0.353	0.327	10.54
49)	Acenaphthylene	1.602	1.609	1.708	1.703	1.759	1.802	1.751	1.705	4.43
50)	Dimethylphthalate	1.459	1.427	1.491	1.452	1.503	1.525	1.479	1.476	2.24
51)	2,6-Dinitrotol...	0.272	0.286	0.318	0.320	0.335	0.344	0.338	0.316	8.65
52) C	Acenaphthene	1.049	1.032	1.100	1.101	1.139	1.169	1.135	1.103	4.49
53)	3-Nitroaniline	0.226	0.256	0.288	0.302	0.318	0.327	0.326	0.292	13.11
54) P	2,4-Dinitrophenol		0.111	0.143	0.161	0.177	0.189	0.188	0.162	18.82
55)	Dibenzofuran	1.810	1.749	1.827	1.802	1.852	1.866	1.809	1.816	2.09
56) P	4-Nitrophenol		0.199	0.246	0.254	0.276	0.285	0.283	0.257	12.64
57)	2,4-Dinitrotol...	0.331	0.363	0.419	0.435	0.464	0.475	0.471	0.422	13.31
58)	Fluorene	1.401	1.401	1.520	1.503	1.549	1.578	1.494	1.492	4.59
59)	2,3,4,6-Tetrac...	0.369	0.375	0.396	0.395	0.410	0.421	0.417	0.397	5.04
60)	Diethylphthalate	1.387	1.355	1.461	1.435	1.514	1.535	1.481	1.453	4.48
61)	4-Chlorophenyl...	0.764	0.765	0.812	0.805	0.840	0.856	0.821	0.809	4.31
62)	4-Nitroaniline	0.218	0.251	0.301	0.313	0.333	0.344	0.337	0.300	15.99
63)	Azobenzene	1.286	1.301	1.404	1.377	1.439	1.460	1.397	1.381	4.77
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.085	0.105	0.121	0.122	0.128	0.127	0.115	14.68
66) c	n-Nitrosodiphe...	0.527	0.541	0.575	0.605	0.597	0.615	0.593	0.579	5.77
67)	4-Bromophenyl-...	0.204	0.200	0.216	0.226	0.225	0.232	0.230	0.219	5.81
68)	Hexachlorobenzene	0.250	0.245	0.255	0.268	0.265	0.277	0.272	0.262	4.57
69)	Atrazine	0.183	0.174	0.160	0.153	0.114			0.157	16.89
70) C	Pentachlorophenol	0.132	0.142	0.161	0.178	0.179	0.187	0.190	0.167	13.54
71)	Phenanthrene	1.011	0.999	1.063	1.099	1.089	1.119	1.095	1.068	4.31
72)	Anthracene	0.936	0.927	1.008	1.059	1.052	1.093	1.062	1.019	6.39
73)	Carbazole	0.892	0.899	0.988	1.024	1.023	1.051	1.025	0.986	6.52
74)	Di-n-butylphth...	1.007	1.054	1.175	1.239	1.251	1.307	1.256	1.184	9.52
75) C	Fluoranthene	1.192	1.180	1.299	1.339	1.362	1.423	1.397	1.313	7.28
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.288	0.263	0.198	0.351	0.279	0.350	0.346	0.297	19.21
78)	Pyrene	1.374	1.371	1.431	1.408	1.514	1.576	1.534	1.458	5.64
79) S	Terphenyl-d14	1.080	1.116	1.212	1.211	1.301	1.316	1.217	1.208	7.21
80)	Butylbenzylpht...	0.431	0.462	0.519	0.514	0.572	0.591	0.576	0.524	11.59
81)	Benzo(a)anthra...	1.327	1.320	1.418	1.366	1.470	1.518	1.476	1.414	5.51
82)	3,3'-Dichlorob...	0.359	0.379	0.438	0.448	0.490	0.525	0.512	0.450	14.17
83)	Chrysene	1.259	1.255	1.346	1.266	1.365	1.420	1.371	1.326	4.96
84)	Bis(2-ethylhex...	0.636	0.704	0.811	0.806	0.889	0.917	0.867	0.804	12.64
85) c	Di-n-octyl pht...	0.973	1.091	1.241	1.253	1.414	1.486	1.464	1.274	15.24

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.302	1.341	1.418	1.473	1.520	1.613	1.582	1.464	8.03	
88)	Benzo(b)fluora...	1.204	1.197	1.304	1.349	1.411	1.469	1.497	1.347	8.90	
89)	Benzo(k)fluora...	1.156	1.176	1.302	1.329	1.383	1.456	1.410	1.316	8.70	
90) C	Benzo(a)pyrene	0.975	1.006	1.110	1.148	1.205	1.266	1.261	1.139	10.19	
91)	Dibenzo(a,h)an...	1.094	1.120	1.177	1.228	1.279	1.336	1.322	1.222	7.85	
92)	Benzo(g,h,i)pe...	1.118	1.135	1.197	1.229	1.260	1.321	1.291	1.222	6.25	

(#) = Out of Range