

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF091625.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Sep 17 01:44:23 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF143767.D 5 =BF143768.D 10 =BF143769.D 20 =BF143770.D 40 =BF143771.D 50 =BF143772.D 60 =BF143773.D 80 =BF143774.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane		0.590	0.608	0.650	0.687	0.708	0.640	0.679	0.652	6.58
3)	Pyridine		1.420	1.708	1.544	1.659	1.631	1.634	1.681	1.611	6.13
4)	n-Nitrosodimet...			0.529	0.571	0.544	0.591	0.583	0.615	0.572	5.52
5) S	2-Fluorophenol	1.101	1.158	1.320	1.260	1.333	1.276	1.261	1.313	1.253	6.55
6)	Aniline		1.916	1.827	1.977	1.971	1.872	1.908	1.917	1.913	2.74
7) S	Phenol-d6	1.463	1.432	1.493	1.479	1.540	1.407	1.409	1.483	1.463	3.12
8)	2-Chlorophenol		1.344	1.488	1.348	1.358	1.336	1.240	1.333	1.350	5.39
9)	Benzaldehyde			1.086	0.908	0.650	0.978	1.041	0.758	0.903	18.73
10) C	Phenol		1.602	1.704	1.602	1.604	1.592	1.556	1.734	1.628	4.00
11)	bis(2-Chloroet...		1.176	1.260	1.224	1.244	1.198	1.165	1.217	1.212	2.86
12)	1,3-Dichlorobe...		1.648	1.582	1.459	1.501	1.500	1.370	1.458	1.502	6.00
13) C	1,4-Dichlorobe...		1.602	1.551	1.484	1.484	1.397	1.454	1.444	1.488	4.62
14)	1,2-Dichlorobe...		1.458	1.502	1.425	1.367	1.390	1.328	1.332	1.400	4.64
15)	Benzyl Alcohol			0.897	1.022	0.978	0.983	0.974	1.012	0.978	4.52
16)	2,2'-oxybis(1-...		1.362	1.504	1.351	1.347	1.270	1.299	1.316	1.350	5.58
17)	2-Methylphenol		1.001	1.036	1.038	1.027	0.930	1.019	1.026	1.011	3.72
18)	Hexachloroethane		0.509	0.451	0.459	0.443	0.481	0.458	0.459	0.466	4.81
19) P	n-Nitroso-di-n...	0.915	0.795	0.872	0.874	0.852	0.784	0.846	0.861	0.850	5.04
20)	3+4-Methylphenols			1.342	1.388	1.326	1.238	1.347	1.346	1.331	3.77
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone		0.464	0.438	0.506	0.488	0.483	0.470	0.456	0.472	4.76
23) S	Nitrobenzene-d5	0.334	0.340	0.308	0.346	0.350	0.344	0.342	0.340	0.338	3.89
24)	Nitrobenzene		0.356	0.325	0.358	0.343	0.346	0.337	0.335	0.343	3.42
25)	Isophorone		0.672	0.550	0.639	0.593	0.591	0.631	0.609	0.612	6.46
26) C	2-Nitrophenol		0.158	0.172	0.190	0.202	0.191	0.191	0.191	0.185	8.07
27)	2,4-Dimethylph...		0.304	0.252	0.288	0.294	0.296	0.311	0.308	0.293	6.83
28)	bis(2-Chloroet...		0.395	0.368	0.392	0.380	0.372	0.385	0.379	0.382	2.63
29) C	2,4-Dichloroph...		0.263	0.269	0.291	0.300	0.297	0.297	0.300	0.288	5.42
30)	1,2,4-Trichlor...		0.311	0.307	0.326	0.309	0.312	0.310	0.299	0.311	2.63
31)	Naphthalene		1.037	0.975	1.039	1.043	1.025	1.022	1.010	1.022	2.30
32)	Benzoic acid			0.044	0.129	0.150	0.154	0.198	0.204	0.146	39.80
33)	4-Chloroaniline		0.327	0.325	0.340	0.360	0.339	0.355	0.339	0.341	3.83
34) C	Hexachlorobuta...		0.209	0.172	0.204	0.215	0.205	0.196	0.194	0.199	6.97
35)	Caprolactam			0.052	0.076	0.064	0.068	0.078	0.078	0.069	14.91
36) C	4-Chloro-3-met...		0.307	0.260	0.305	0.289	0.260	0.288	0.285	0.285	6.69
37)	2-Methylnaphth...		0.697	0.618	0.690	0.644	0.629	0.671	0.674	0.660	4.62
38)	1-Methylnaphth...		0.663	0.589	0.668	0.652	0.640	0.640	0.659	0.645	4.17

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF091625.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...		0.533	0.564	0.618	0.658	0.640	0.605	0.603	7.14	
41) P	Hexachlorocycl...			0.275	0.298	0.361	0.364	0.337	0.342	0.330	10.84
42) S	2,4,6-Tribromo...	0.178	0.197	0.165	0.216	0.211	0.199	0.235	0.214	0.202	11.13
43) C	2,4,6-Trichlor...		0.379	0.364	0.411	0.435	0.402	0.432	0.427	0.407	6.71
44)	2,4,5-Trichlor...		0.371	0.368	0.399	0.430	0.438	0.408	0.433	0.407	7.10
45) S	2-Fluorobiphenyl	1.490	1.390	1.367	1.429	1.527	1.512	1.464	1.443	1.453	3.90
46)	1,1'-Biphenyl		1.557	1.447	1.496	1.629	1.567	1.528	1.532	1.537	3.72
47)	2-Chloronaphth...		1.204	1.129	1.189	1.245	1.182	1.214	1.210	1.196	3.01
48)	2-Nitroaniline		0.303	0.291	0.321	0.317	0.304	0.338	0.318	0.313	4.92
49)	Acenaphthylene		1.604	1.550	1.737	1.753	1.660	1.751	1.710	1.681	4.71
50)	Dimethylphthalate		1.251	1.213	1.368	1.380	1.279	1.376	1.334	1.314	5.10
51)	2,6-Dinitrotol...		0.238	0.216	0.279	0.294	0.276	0.302	0.292	0.271	11.73
52) C	Acenaphthene		1.048	1.015	1.155	1.182	1.122	1.198	1.166	1.126	6.17
53)	3-Nitroaniline		0.269	0.232	0.305	0.290	0.282	0.316	0.307	0.286	10.13
54) P	2,4-Dinitrophenol			0.044	0.096	0.133	0.141	0.168	0.177	0.126	39.06
55)	Dibenzofuran		1.629	1.512	1.692	1.635	1.591	1.703	1.689	1.636	4.17
56) P	4-Nitrophenol			0.145	0.231	0.208	0.213	0.252	0.248	0.216	18.08
57)	2,4-Dinitrotol...		0.363	0.325	0.429	0.371	0.358	0.402	0.392	0.377	8.99
58)	Fluorene		1.318	1.092	1.305	1.289	1.259	1.351	1.340	1.279	6.87
59)	2,3,4,6-Tetrac...		0.229	0.276	0.349	0.322	0.312	0.347	0.346	0.312	14.40
60)	Diethylphthalate		1.226	1.080	1.265	1.179	1.155	1.306	1.237	1.207	6.26
61)	4-Chlorophenyl...		0.658	0.590	0.623	0.639	0.649	0.677	0.656	0.642	4.43
62)	4-Nitroaniline		0.246	0.226	0.294	0.289	0.261	0.306	0.288	0.273	10.70
63)	Azobenzene		1.076	0.930	1.093	1.070	1.019	1.160	1.107	1.065	6.86
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...			0.069	0.117	0.120	0.130	0.147	0.144	0.121	23.34
66) c	n-Nitrosodiphe...		0.683	0.705	0.686	0.740	0.711	0.673	0.687	0.698	3.26
67)	4-Bromophenyl-...		0.245	0.239	0.254	0.253	0.245	0.247	0.246	0.247	2.06
68)	Hexachlorobenzene		0.268	0.252	0.269	0.269	0.255	0.267	0.260	0.263	2.73
69)	Atrazine		0.185	0.202	0.228	0.211	0.202	0.218	0.205	0.207	6.60
70) C	Pentachlorophenol			0.094	0.143	0.149	0.161	0.158	0.166	0.145	18.09
71)	Phenanthrene		1.197	1.125	1.188	1.181	1.087	1.152	1.139	1.153	3.43
72)	Anthracene		1.199	1.121	1.231	1.196	1.124	1.173	1.184	1.175	3.43
73)	Carbazole		0.973	0.891	0.993	0.984	0.922	0.973	0.970	0.958	3.88
74)	Di-n-butylphth...		1.126	1.106	1.249	1.181	1.137	1.192	1.157	1.164	4.12
75) C	Fluoranthene		1.084	1.054	1.145	1.084	1.008	1.053	1.017	1.063	4.36
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine			0.684	0.609	0.681	0.625	0.494		0.619	12.52
78)	Pyrene		1.921	1.527	1.800	1.456	1.418	1.740	1.530	1.627	11.80
79) S	Terphenyl-d14	1.513	1.440	1.149	1.405	1.170	1.084	1.349	1.163	1.284	12.55
80)	Butylbenzylpht...		0.512	0.540	0.593	0.569	0.559	0.597	0.567	0.562	5.26
81)	Butzo(a)anthra...		1.335	1.320	1.366	1.326	1.262	1.372	1.233	1.316	3.92
82)	3,3'-Dichlorob...			0.392	0.364	0.415	0.398	0.355	0.336	0.376	7.89
83)	Chrysene		1.269	1.280	1.211	1.178	1.207	1.161	1.098	1.201	5.24
84)	Bis(2-ethylhex...		0.729	0.797	0.717	0.797	0.778	0.771	0.752	0.763	4.12
85) c	Di-n-octyl pht...			1.372	1.154	1.380	1.343	1.255	1.225	1.288	7.07

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF091625.M

		-----ISTD-----	
86) I	Perylene-d12		
87)	Indeno(1,2,3-c...	1.342 1.226 1.257 1.319 1.241 1.284 1.293 1.280	3.27
88)	Benzo(b)fluora...	1.315 1.192 1.249 1.169 1.221 1.253 1.270 1.238	3.98
89)	Benzo(k)fluora...	1.194 1.068 1.023 1.115 1.021 1.098 1.083 1.086	5.48
90) C	Benzo(a)pyrene	1.138 1.104 1.035 1.074 1.014 1.064 1.042 1.067	4.00
91)	Dibenzo(a,h)an...	0.936 1.010 1.020 1.093 1.034 1.064 1.043 1.028	4.79
92)	Benzo(g,h,i)pe...	1.047 0.951 0.944 1.015 0.956 0.997 0.992 0.986	3.86

(#) = Out of Range