

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF060923.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jun 09 15:37:41 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BF133664.D 5 =BF133665.D 10 =BF133666.D 20 =BF133667.D 40 =BF133668.D 50 =BF133669.D 60 =BF133670.D 80 =BF133671.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.592	0.583	0.495	0.511	0.466	0.475	0.415	0.505	12.61	
3)	Pyridine	1.630	1.800	1.418	1.559	1.320	1.327	1.250	1.472	13.48	
4)	n-Nitrosodimet...	0.876	0.959	0.773	0.887	0.752	0.754	0.695	0.814	11.60	
5) S	2-Fluorophenol		1.331	1.187	1.146	1.126	1.125	0.977	1.149	9.95	
6)	Aniline	2.089	2.010	2.137	1.846	1.737	1.740	1.625	1.883	10.46	
7) S	Phenol-d6	1.701	1.636	1.706	1.441	1.371	1.359	1.254	1.495	12.26	
8)	2-Chlorophenol	1.335	1.309	1.386	1.179	1.117	1.116	1.032	1.211	11.01	
9)	Benzaldehyde	1.089	1.080	1.090	0.875	0.827			0.992	13.14	
10) C	Phenol	1.727	1.688	1.807	1.524	1.440	1.422	1.323	1.561	11.58	
11)	bis(2-Chloroet...	1.279	1.228	1.318	1.136	1.063	1.087	1.005	1.159	10.16	
12)	1,3-Dichlorobe...	1.458	1.408	1.383	1.272	1.229	1.203	1.102	1.294	9.87	
13) C	1,4-Dichlorobe...	1.435	1.427	1.426	1.309	1.217	1.207	1.131	1.307	9.57	
14)	1,2-Dichlorobe...	1.358	1.363	1.190	1.200	1.137	1.122	0.900	1.181	13.35	
15)	Benzyl Alcohol	1.306	1.290	1.246	1.178	1.128	1.103	0.923	1.168	11.39	
16)	2,2'-oxybis(1-...	2.199	2.126	2.188	1.983	1.867	1.880	1.512	1.965	12.33	
17)	2-Methylphenol	1.221	1.159	1.156	1.070	1.019	1.035	0.851	1.073	11.40	
18)	Hexachloroethane	0.489	0.472	0.431	0.457	0.433	0.448	0.402	0.448	6.45	
19) P	n-Nitroso-di-n...	1.120	1.036	1.066	0.986	0.917	0.869	0.870	0.748	0.951	12.90
20)	3+4-Methylphenols		1.562	1.540	1.506	1.326	1.226	1.217		1.396	11.38
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.539	0.523	0.474	0.391	0.431	0.425	0.428	0.459	12.05	
23) S	Nitrobenzene-d5	0.392	0.404	0.334	0.323	0.365	0.369	0.384	0.367	8.06	
24)	Nitrobenzene	0.398	0.404	0.345	0.330	0.367	0.377	0.367	0.370	7.24	
25)	Isophorone	0.730	0.721	0.611	0.592	0.650	0.675	0.741	0.674	8.81	
26) C	2-Nitrophenol	0.165	0.171	0.149	0.149	0.166	0.174	0.188	0.166	8.19	
27)	2,4-Dimethylph...	0.317	0.312	0.283	0.254	0.276	0.280	0.280	0.286	7.64	
28)	bis(2-Chloroet...	0.413	0.418	0.402	0.339	0.370	0.383	0.402	0.390	7.16	
29) C	2,4-Dichloroph...	0.286	0.305	0.293	0.247	0.268	0.271	0.293	0.280	7.03	
30)	1,2,4-Trichlor...	0.315	0.313	0.313	0.281	0.278	0.281	0.267	0.292	6.95	
31)	Naphthalene	1.084	1.062	1.048	0.936	0.902	0.920	0.869	0.974	8.98	
32)	Benzoic acid		0.153	0.166	0.170	0.201	0.212		0.180	13.81	
33)	4-Chloroaniline	0.456	0.448	0.450	0.403	0.386	0.395	0.378	0.417	8.03	
34) C	Hexachlorobuta...	0.210	0.205	0.198	0.185	0.183	0.182	0.178	0.191	6.48	
35)	Caprolactam	0.094	0.095	0.092	0.096	0.089	0.092	0.102	0.094	4.51	
36) C	4-Chloro-3-met...	0.343	0.337	0.319	0.318	0.305	0.310	0.330	0.323	4.42	
37)	2-Methylnaphth...	0.734	0.735	0.703	0.643	0.621	0.628	0.676	0.677	7.14	
38)	1-Methylnaphth...	0.672	0.684	0.663	0.601	0.581	0.587	0.572	0.623	7.69	

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.665	0.646	0.630	0.546	0.578	0.572	0.618	0.608	7.10
41) P	Hexachlorocycl...	0.230	0.245	0.251	0.282	0.287	0.331	0.271		13.53
42) S	2,4,6-Tribromo...	0.265	0.268	0.260	0.236	0.237	0.244	0.263	0.253	5.48
43) C	2,4,6-Trichlor...	0.396	0.431	0.435	0.385	0.387	0.389	0.422	0.406	5.42
44)	2,4,5-Trichlor...	0.487	0.476	0.503	0.445	0.453	0.452	0.492	0.473	4.81
45) S	2-Fluorobiphenyl	1.682	1.636	1.546	1.186	1.303	1.271	1.225	1.407	14.76
46)	1,1'-Biphenyl	1.839	1.803	1.785	1.377	1.525	1.514	1.447	1.613	11.81
47)	2-Chloronaphth...	1.303	1.283	1.266	0.998	1.097	1.105	1.047	1.157	10.76
48)	2-Nitroaniline	0.430	0.438	0.448	0.400	0.417	0.421	0.407	0.423	4.05
49)	Acenaphthylene	2.238	2.186	2.170	1.956	1.879	1.896	1.773	2.014	9.01
50)	Dimethylphthalate	1.623	1.620	1.593	1.427	1.419	1.418	1.351	1.493	7.67
51)	2,6-Dinitrotol...	0.301	0.310	0.336	0.313	0.297	0.311	0.290	0.308	4.87
52) C	Acenaphthene	1.304	1.325	1.197	1.151	1.099	1.118	1.057	1.179	8.70
53)	3-Nitroaniline	0.368	0.395	0.404	0.377	0.357	0.377	0.347	0.375	5.27
54) P	2,4-Dinitrophenol	0.094	0.108	0.135	0.138	0.152	0.151	0.130		18.27
55)	Dibenzofuran	2.017	1.988	1.849	1.703	1.702	1.689	1.642	1.799	8.53
56) P	4-Nitrophenol	0.232	0.253	0.251	0.261	0.251	0.268	0.255	0.253	4.42
57)	2,4-Dinitrotol...	0.382	0.404	0.390	0.386	0.389	0.402	0.390	0.392	2.08
58)	Fluorene	1.547	1.554	1.492	1.148	1.273	1.275	1.340	1.376	11.42
59)	2,3,4,6-Tetrac...	0.366	0.366	0.362	0.307	0.343	0.360	0.373	0.354	6.41
60)	Diethylphthalate	1.697	1.634	1.577	1.395	1.447	1.458	1.427	1.519	7.65
61)	4-Chlorophenyl...	0.782	0.757	0.737	0.564	0.626	0.632	0.655	0.679	11.84
62)	4-Nitroaniline	0.373	0.382	0.387	0.324	0.351	0.369	0.387	0.368	6.26
63)	Azobenzene	1.538	1.525	1.493	1.349	1.337	1.385	1.442	1.438	5.77
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.078	0.104	0.095	0.098	0.102	0.096	0.096		9.86
66) c	n-Nitrosodiphe...	0.726	0.715	0.823	0.637	0.619	0.617	0.566	0.672	13.00
67)	4-Bromophenyl-...	0.243	0.229	0.277	0.219	0.211	0.208	0.176	0.223	14.09
68)	Hexachlorobenzene	0.245	0.244	0.284	0.230	0.223	0.224	0.194	0.235	11.72
69)	Atrazine	0.207	0.205	0.233	0.187	0.181	0.185	0.167	0.195	11.06
70) C	Pentachlorophenol	0.114	0.128	0.159	0.144	0.143	0.153	0.141	0.141	10.78
71)	Phenanthrene	1.143	1.117	1.093	0.979	0.950	0.943	0.879	1.015	10.01
72)	Anthracene	1.170	1.139	1.234	1.008	0.981	1.008	0.866	1.058	12.08
73)	Carbazole	1.048	1.050	1.202	0.781	0.901	0.931		0.985	14.83
74)	Di-n-butylphth...	1.337	1.317	1.520	1.117	1.148	1.141		1.263	12.47
75) C	Fluoranthene	1.178	1.165	1.266	0.967	1.025	0.987	0.956	1.078	11.43
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.782	0.704	0.630	0.709	0.614	0.650	0.609	0.671	9.44
78)	Pyrene	1.836	1.935	1.913	1.852	1.758	1.938	1.809	1.863	3.67
79) S	Terphenyl-d14	1.382	1.398	1.365	1.285	1.227	1.258	1.132	1.293	7.45
80)	Butylbenzylphth...	0.769	0.791	0.825	0.767	0.765	0.815	0.774	0.787	3.13
81)	Benzo(a)anthra...	1.497	1.466	1.459	1.316	1.305	1.359	1.282	1.383	6.40
82)	3,3'-Dichlorob...	0.494	0.504	0.497	0.437	0.430	0.444	0.413	0.460	8.10
83)	Chrysene	1.400	1.403	1.385	1.268	1.219	1.246	1.238	1.308	6.38
84)	Bis(2-ethylhex...	1.014	1.027	1.018	0.917	0.932	0.974	0.897	0.968	5.51
85) c	Di-n-octyl pht...	1.683	1.340	1.386	1.307	1.259	1.365	1.293	1.376	10.33

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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.450	1.460	1.226	1.226	1.403	1.442	1.425	1.376	7.59
88)	Benzo(b)fluora...	1.355	1.282	1.144	1.211	1.151	1.242	1.120	1.215	6.96
89)	Benzo(k)fluora...	1.269	1.269	1.120	1.217	1.111	1.218	1.080	1.183	6.64
90) C	Benzo(a)pyrene	1.175	1.169	1.197	1.128	1.095	1.039	1.091	1.128	4.98
91)	Dibenzo(a,h)an...	1.211	1.191	1.021	1.014	1.154	1.207	1.175	1.139	7.50
92)	Benzo(g,h,i)pe...	1.190	1.169	1.000	0.995	1.159	1.220	1.173	1.129	8.16

(#) = Out of Range

2,4-Dinitrophenol

