

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM110121.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Nov 01 18:47:37 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM032832.D 10 =BM032833.D 20 =BM032834.D 40 =BM032835.D 50 =BM032836.D 60 =BM032837.D 80 =BM032838.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.445	0.382	0.340	0.307	0.282	0.275	0.252	0.326	20.94
3) Pyridine	1.285	1.158	1.066	1.013	0.921	0.911	0.855	1.030	14.85
4) n-Nitrosodimet...	0.531	0.501	0.459	0.439	0.403	0.397	0.374	0.443	12.98
5) S 2-Fluorophenol	1.255	1.188	1.134	1.091	1.019	1.007	0.951	1.092	9.90
6) Aniline	2.135	2.041	1.971	1.946	1.817	1.824	1.751	1.926	7.10
7) S Phenol-d6	1.926	1.848	1.780	1.732	1.612	1.595	1.510	1.715	8.70
8) 2-Chlorophenol	1.530	1.401	1.362	1.317	1.240	1.254	1.177	1.326	8.89
9) Benzaldehyde	1.282	1.172	1.075	0.937	0.848	0.819		1.022	18.14
10) C Phenol	1.844	1.765	1.691	1.672	1.571	1.551	1.480	1.653	7.73
11) bis(2-Chloroet...	1.545	1.439	1.365	1.312	1.226	1.239	1.160	1.327	10.08
12) 1,3-Dichlorobe...	1.727	1.602	1.510	1.434	1.363	1.371	1.274	1.469	10.63
13) C 1,4-Dichlorobe...	1.760	1.649	1.535	1.486	1.381	1.402	1.304	1.502	10.64
14) 1,2-Dichlorobe...	1.805	1.641	1.528	1.476	1.375	1.366	1.278	1.496	12.11
15) Benzyl Alcohol	1.292	1.261	1.247	1.269	1.189	1.216	1.167	1.234	3.66
16) 2,2'-oxybis(1-...	2.395	2.207	2.069	1.977	1.841	1.868	1.729	2.012	11.45
17) 2-Methylphenol	1.277	1.229	1.177	1.171	1.099	1.105	1.053	1.159	6.78
18) Hexachloroethane	0.680	0.627	0.589	0.565	0.527	0.536	0.502	0.575	10.79
19) P n-Nitroso-di-n...	1.227	1.197	1.132	1.098	1.009	1.001	0.941	1.087	9.83
20) 3+4-Methylphenols	1.740	1.683	1.649	1.616	1.501	1.471	1.392	1.579	8.00
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.578	0.535	0.519	0.503	0.469	0.463	0.442	0.501	9.42
23) S Nitrobenzene-d5	0.429	0.406	0.396	0.392	0.371	0.372	0.359	0.389	6.13
24) Nitrobenzene	0.406	0.386	0.370	0.372	0.354	0.359	0.345	0.371	5.53
25) Isophorone	0.730	0.687	0.674	0.676	0.646	0.652	0.631	0.671	4.87
26) C 2-Nitrophenol	0.165	0.160	0.164	0.176	0.171	0.177	0.172	0.169	3.66
27) 2,4-Dimethylph...	0.281	0.268	0.267	0.271	0.256	0.261	0.251	0.265	3.83
28) bis(2-Chloroet...	0.491	0.453	0.441	0.436	0.411	0.415	0.398	0.435	7.12
29) C 2,4-Dichloroph...	0.306	0.301	0.300	0.308	0.295	0.300	0.289	0.300	2.13
30) 1,2,4-Trichlor...	0.386	0.357	0.343	0.337	0.319	0.324	0.310	0.340	7.68
31) Naphthalene	1.206	1.098	1.056	1.036	0.974	0.976	0.936	1.040	8.81
32) Benzoic acid		0.156	0.183	0.225	0.223	0.234	0.230	0.209	15.21
33) 4-Chloroaniline	0.457	0.431	0.427	0.437	0.412	0.420	0.405	0.427	4.01
34) C Hexachlorobuta...	0.245	0.220	0.210	0.205	0.194	0.198	0.188	0.208	9.20
35) Caprolactam	0.099	0.097	0.102	0.107	0.103	0.103	0.103	0.102	3.26
36) C 4-Chloro-3-met...	0.359	0.347	0.345	0.350	0.333	0.337	0.329	0.343	3.08
37) 2-Methylnaphth...	0.818	0.751	0.724	0.719	0.673	0.680	0.647	0.716	7.97
38) 1-Methylnaphth...	0.802	0.749	0.718	0.704	0.663	0.659	0.635	0.704	8.28

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.639	0.603	0.572	0.559	0.524	0.531	0.495	0.560	8.78
41) P	Hexachlorocycl...	0.327	0.316	0.315	0.323	0.307	0.317	0.301	0.315	2.85
42) S	2,4,6-Tribromo...	0.241	0.232	0.226	0.219	0.204	0.200	0.193	0.216	8.29
43) C	2,4,6-Trichlor...	0.395	0.386	0.387	0.393	0.383	0.389	0.371	0.386	2.01
44)	2,4,5-Trichlor...	0.434	0.421	0.422	0.425	0.410	0.422	0.399	0.419	2.70
45) S	2-Fluorobiphenyl	1.609	1.457	1.370	1.288	1.195	1.168	1.080	1.310	13.99
46)	1,1'-Biphenyl	1.689	1.565	1.485	1.449	1.370	1.384	1.290	1.462	9.13
47)	2-Chloronaphth...	1.264	1.198	1.125	1.116	1.063	1.066	1.013	1.121	7.69
48)	2-Nitroaniline	0.325	0.333	0.343	0.362	0.353	0.364	0.352	0.347	4.21
49)	Acenaphthylene	2.003	1.886	1.828	1.797	1.719	1.723	1.624	1.797	6.92
50)	Dimethylphthalate	1.621	1.516	1.441	1.417	1.347	1.354	1.289	1.426	7.93
51)	2,6-Dinitrotol...	0.298	0.298	0.297	0.303	0.292	0.297	0.287	0.296	1.73
52) C	Acenaphthene	1.255	1.149	1.095	1.062	1.004	1.000	0.947	1.073	9.75
53)	3-Nitroaniline	0.307	0.313	0.327	0.342	0.330	0.335	0.327	0.326	3.74
54) P	2,4-Dinitrophenol		0.129	0.158	0.186	0.187	0.199	0.198	0.176	15.56
55)	Dibenzofuran	2.096	1.948	1.827	1.768	1.669	1.648	1.555	1.787	10.48
56) P	4-Nitrophenol	0.227	0.248	0.262	0.282	0.272	0.272	0.270	0.262	7.19
57)	2,4-Dinitrotol...	0.380	0.389	0.405	0.420	0.402	0.403	0.393	0.399	3.22
58)	Fluorene	1.616	1.500	1.394	1.327	1.225	1.167	1.103	1.333	13.82
59)	2,3,4,6-Tetrac...	0.413	0.386	0.384	0.378	0.355	0.355	0.341	0.373	6.51
60)	Diethylphthalate	1.600	1.516	1.435	1.423	1.337	1.357	1.302	1.424	7.38
61)	4-Chlorophenyl...	0.845	0.772	0.711	0.669	0.620	0.588		0.701	13.72
62)	4-Nitroaniline	0.283	0.320	0.343	0.360	0.349	0.346	0.341	0.335	7.64
63)	Azobenzene	1.563	1.527	1.472	1.462	1.386	1.382	1.322	1.445	5.94
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.094	0.104	0.120	0.131	0.129	0.135	0.131	0.121	13.07
66) c	n-Nitrosodiphe...	0.656	0.625	0.599	0.591	0.555	0.562	0.522	0.587	7.69
67)	4-Bromophenyl-...	0.228	0.216	0.208	0.205	0.194	0.198	0.186	0.205	6.89
68)	Hexachlorobenzene	0.264	0.244	0.227	0.224	0.210	0.213	0.198	0.226	9.89
69)	Atrazine	0.210	0.199	0.196	0.199	0.184	0.187	0.172	0.192	6.37
70) C	Pentachlorophenol	0.132	0.138	0.141	0.149	0.141	0.145	0.137	0.140	4.07
71)	Phenanthrene	1.260	1.164	1.092	1.064	0.992	0.970	0.912	1.065	11.27
72)	Anthracene	1.186	1.135	1.055	1.066	0.994	0.971	0.921	1.047	8.87
73)	Carbazole	1.153	1.112	1.066	1.050	0.986	0.957	0.921	1.035	8.14
74)	Di-n-butylphth...	1.142	1.123	1.141	1.158	1.098	1.110	1.041	1.116	3.48
75) C	Fluoranthene	1.404	1.324	1.250	1.222	1.129	1.062	1.033	1.204	11.33
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.504	0.485	0.442	0.508	0.537	0.494	0.437	0.487	7.43
78)	Pyrene	1.505	1.421	1.361	1.344	1.266	1.450	1.235	1.369	7.12
79) S	Terphenyl-d14	1.197	1.094	0.999	0.923	0.844	0.940	0.782	0.968	14.71
80)	Butylbenzylpht...	0.484	0.494	0.515	0.556	0.538	0.611	0.554	0.536	8.12
81)	Benzo(a)anthra...	1.469	1.378	1.291	1.275	1.195	1.216	1.145	1.281	8.73
82)	3,3'-Dichlorob...	0.426	0.413	0.405	0.399	0.370	0.351	0.332	0.385	9.00
83)	Chrysene	1.474	1.351	1.264	1.243	1.144	1.168	1.086	1.247	10.62
84)	Bis(2-ethylhex...	0.689	0.704	0.714	0.737	0.692	0.759	0.682	0.711	3.94
85) c	Di-n-octyl pht...	1.137	1.170	1.221	1.320	1.266	1.236	1.279	1.233	5.15

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.482	1.390	1.301	1.262	1.127	1.175	1.023	1.251	12.57	
88)	Benzo(b)fluora...	1.328	1.249	1.248	1.162	1.148	1.164	1.101	1.200	6.47	
89)	Benzo(k)fluora...	1.436	1.323	1.198	1.209	1.095	1.221	1.103	1.226	9.79	
90) C	Benzo(a)pyrene	1.119	1.047	1.019	1.004	0.955	0.986	0.926	1.008	6.27	
91)	Dibenzo(a,h)an...	1.231	1.157	1.089	1.051	0.946	0.972	0.848	1.042	12.58	
92)	Benzo(g,h,i)pe...	1.203	1.127	1.071	1.065	0.942	0.995	0.868	1.039	10.92	

(#) = Out of Range