

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM082321.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Aug 24 16:34:26 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM031866.D 10 =BM031867.D 20 =BM031868.D 40 =BM031869.D 50 =BM031870.D 60 =BM031871.D 80 =BM031872.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.528	0.527	0.462	0.391	0.403	0.403	0.377	0.442	14.60
3) Pyridine	1.465	1.537	1.390	1.206	1.262	1.231	1.224	1.331	9.95
4) n-Nitrosodimet...	0.676	0.630	0.572	0.545	0.551	0.553	0.539	0.581	8.97
5) S 2-Fluorophenol	1.420	1.510	1.382	1.276	1.301	1.340	1.287	1.360	6.22
6) Aniline	2.025	2.240	1.981	1.849	1.878	1.795	1.836	1.943	7.94
7) S Phenol-d6	1.847	2.065	1.845	1.733	1.788	1.738	1.766	1.826	6.30
8) 2-Chlorophenol	1.521	1.698	1.465	1.381	1.402	1.363	1.375	1.458	8.23
9) Benzaldehyde		1.584	1.356	1.090	1.045	0.960		1.207	21.31
10) C Phenol	1.924	2.032	1.831	1.755	1.777	1.696	1.756	1.824	6.38
11) bis(2-Chloroet...	1.461	1.545	1.407	1.323	1.336	1.295	1.293	1.380	6.90
12) 1,3-Dichlorobe...	1.709	1.801	1.618	1.463	1.491	1.501	1.460	1.577	8.55
13) C 1,4-Dichlorobe...	1.705	1.834	1.646	1.491	1.527	1.524	1.486	1.602	8.20
14) 1,2-Dichlorobe...	1.637	1.795	1.593	1.466	1.491	1.479	1.461	1.560	7.95
15) Benzyl Alcohol	1.505	1.644	1.520	1.462	1.490	1.399	1.484	1.501	4.95
16) 2,2'-oxybis(1-...	2.238	2.370	2.109	1.969	1.989	1.876	1.887	2.062	9.00
17) 2-Methylphenol	1.189	1.407	1.255	1.191	1.213	1.159	1.182	1.228	6.87
18) Hexachloroethane	0.687	0.772	0.689	0.651	0.671	0.658	0.646	0.682	6.32
19) P n-Nitroso-di-n...	1.377	1.499	1.381	1.366	1.366	1.252	1.381	1.375	5.21
20) 3+4-Methylphenols	1.727	1.936	1.724	1.685	1.671	1.571	1.674	1.713	6.50
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.572	0.655	0.571	0.556	0.559	0.580	0.589	0.583	5.78
23) S Nitrobenzene-d5	0.463	0.537	0.485	0.473	0.481	0.503	0.496	0.491	4.94
24) Nitrobenzene	0.502	0.564	0.491	0.482	0.487	0.504	0.493	0.503	5.58
25) Isophorone	0.901	0.998	0.866	0.846	0.849	0.839	0.869	0.881	6.32
26) C 2-Nitrophenol	0.166	0.208	0.189	0.187	0.189	0.196	0.195	0.190	6.67
27) 2,4-Dimethylph...	0.292	0.324	0.285	0.285	0.283	0.288	0.289	0.292	4.84
28) bis(2-Chloroet...	0.439	0.472	0.425	0.410	0.413	0.417	0.423	0.428	5.02
29) C 2,4-Dichloroph...	0.323	0.356	0.329	0.318	0.324	0.333	0.335	0.331	3.78
30) 1,2,4-Trichlor...	0.358	0.392	0.344	0.329	0.337	0.353	0.349	0.352	5.80
31) Naphthalene	1.162	1.274	1.123	1.092	1.105	1.134	1.138	1.147	5.25
32) Benzoic acid	0.221	0.265	0.245	0.246	0.248	0.248	0.261	0.248	5.78
33) 4-Chloroaniline	0.450	0.511	0.448	0.441	0.438	0.442	0.458	0.455	5.60
34) C Hexachlorobuta...	0.223	0.244	0.212	0.209	0.213	0.221	0.218	0.220	5.31
35) Caprolactam	0.105	0.117	0.101	0.106	0.102	0.097	0.106	0.105	5.85
36) C 4-Chloro-3-met...	0.380	0.449	0.382	0.387	0.382	0.377	0.395	0.393	6.41
37) 2-Methylnaphth...	0.834	0.920	0.799	0.799	0.799	0.799	0.837	0.827	5.38
38) 1-Methylnaphth...	0.765	0.872	0.761	0.747	0.755	0.756	0.791	0.778	5.61

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.546	0.624	0.564	0.547	0.560	0.610	0.572	0.575	5.31
41) P	Hexachlorocycl...	0.245	0.258	0.268	0.288	0.314	0.300	0.279		9.44
42) S	2,4,6-Tribromo...	0.215	0.239	0.206	0.216	0.217	0.219	0.231	0.220	4.92
43) C	2,4,6-Trichlor...	0.399	0.463	0.415	0.405	0.422	0.439	0.427	0.424	5.06
44)	2,4,5-Trichlor...	0.415	0.501	0.450	0.434	0.448	0.464	0.457	0.453	5.86
45) S	2-Fluorobiphenyl	1.468	1.656	1.507	1.471	1.544	1.622	1.613	1.554	4.93
46)	1,1'-Biphenyl	1.587	1.767	1.588	1.515	1.569	1.654	1.613	1.613	4.95
47)	2-Chloronaphth...	1.237	1.348	1.233	1.190	1.220	1.287	1.254	1.253	4.12
48)	2-Nitroaniline	0.357	0.457	0.422	0.441	0.448	0.459	0.467	0.436	8.66
49)	Acenaphthylene	1.973	2.236	1.969	1.930	1.980	2.061	2.076	2.032	5.13
50)	Dimethylphthalate	1.671	1.836	1.579	1.552	1.569	1.575	1.590	1.625	6.20
51)	2,6-Dinitrotol...	0.341	0.387	0.345	0.347	0.349	0.358	0.355	0.354	4.34
52) C	Acenaphthene	1.199	1.327	1.183	1.162	1.204	1.240	1.244	1.223	4.47
53)	3-Nitroaniline	0.294	0.390	0.334	0.348	0.349	0.355	0.359	0.347	8.31
54) P	2,4-Dinitrophenol	0.154	0.201	0.186	0.206	0.208	0.210	0.219	0.198	11.02
55)	Dibenzofuran	2.004	2.211	1.932	1.930	1.983	2.022	2.086	2.024	4.86
56) P	4-Nitrophenol	0.248	0.328	0.263	0.290	0.284	0.291	0.296	0.286	8.90
57)	2,4-Dinitrotol...	0.431	0.526	0.465	0.501	0.500	0.498	0.532	0.493	7.06
58)	Fluorene	1.583	1.795	1.546	1.601	1.628	1.686	1.768	1.658	5.72
59)	2,3,4,6-Tetrac...	0.388	0.435	0.379	0.372	0.373	0.383	0.383	0.388	5.61
60)	Diethylphthalate	1.778	1.999	1.661	1.735	1.717	1.726	1.767	1.769	6.12
61)	4-Chlorophenyl...	0.769	0.864	0.742	0.761	0.785	0.796	0.845	0.795	5.65
62)	4-Nitroaniline	0.279	0.378	0.313	0.341	0.320	0.336	0.344	0.330	9.30
63)	Azobenzene	1.937	2.275	1.974	1.988	2.004	2.042	2.057	2.040	5.47
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.111	0.141	0.137	0.142	0.147	0.147	0.151	0.139	9.57
66) c	n-Nitrosodiphe...	0.627	0.719	0.667	0.644	0.683	0.687	0.700	0.675	4.72
67)	4-Bromophenyl-...	0.203	0.227	0.216	0.208	0.219	0.223	0.224	0.217	4.01
68)	Hexachlorobenzene	0.223	0.246	0.231	0.220	0.225	0.232	0.232	0.230	3.83
69)	Atrazine	0.220	0.245	0.220	0.226	0.222	0.225	0.223	0.226	3.94
70) C	Pentachlorophenol	0.136	0.162	0.144	0.149	0.150	0.156	0.156	0.150	5.67
71)	Phenanthrene	1.169	1.307	1.174	1.156	1.183	1.217	1.226	1.205	4.30
72)	Anthracene	1.130	1.284	1.166	1.145	1.162	1.200	1.207	1.185	4.36
73)	Carbazole	1.124	1.269	1.102	1.105	1.104	1.140	1.136	1.140	5.16
74)	Di-n-butylphth...	1.483	1.654	1.429	1.501	1.471	1.537	1.553	1.518	4.79
75) C	Fluoranthene	1.374	1.534	1.267	1.289	1.252	1.350	1.306	1.339	7.19
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.591	0.548	0.494	0.578	0.471		0.536		9.77
78)	Pyrene	1.417	1.628	1.603	1.622	1.647	1.538	1.764	1.603	6.62
79) S	Terphenyl-d14	1.116	1.293	1.275	1.363	1.388	1.317	1.553	1.329	9.92
80)	Butylbenzylpht...	0.736	0.835	0.771	0.799	0.784	0.780	0.826	0.790	4.27
81)	Benzo(a)anthra...	1.456	1.646	1.463	1.412	1.397	1.442	1.447	1.466	5.65
82)	3,3'-Dichlorob...	0.427	0.502	0.438	0.417	0.408	0.440	0.407	0.434	7.51
83)	Chrysene	1.406	1.577	1.382	1.347	1.351	1.424	1.390	1.411	5.54
84)	Bis(2-ethylhex...	1.124	1.298	1.170	1.231	1.215	1.269	1.299	1.229	5.33
85) c	Di-n-octyl pht...	1.993	2.235	1.953	1.815	1.847	2.036	1.890	1.967	7.21

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.559	1.708	1.554	1.393	1.472	1.636	1.546	1.553	6.61	
88)	Benzo(b)fluora...	1.429	1.571	1.440	1.418	1.490	1.467	1.496	1.473	3.57	
89)	Benzo(k)fluora...	1.336	1.521	1.390	1.424	1.332	1.420	1.501	1.418	5.19	
90) C	Benzo(a)pyrene	1.303	1.446	1.317	1.266	1.269	1.323	1.334	1.323	4.56	
91)	Dibenzo(a,h)an...	1.359	1.463	1.355	1.222	1.289	1.442	1.360	1.356	6.12	
92)	Benzo(g,h,i)pe...	1.301	1.390	1.271	1.125	1.191	1.323	1.232	1.262	6.97	

(#) = Out of Range