

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM083117.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Aug 31 18:39:59 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BM011367.D 10 =BM011368.D 25 =BM011369.D 40 =BM011370.D 50 =BM011371.D 60 =BM011372.D 80 =BM011373.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.510	0.506	0.497	0.492	0.492	0.480	0.490	0.495	2.06
3)	Pyridine	1.397	1.484	1.544	1.550	1.556	1.556	1.529	1.517	3.85
4)	n-Nitrosodimet...	0.780	0.756	0.766	0.775	0.777	0.778	0.789	0.774	1.35
5) S	2-Fluorophenol	1.177	1.173	1.196	1.187	1.199	1.185	1.201	1.188	0.92
6)	Aniline	2.159	2.175	2.269	2.261	2.279	2.256	2.263	2.238	2.18
7) S	Phenol-d6	1.563	1.613	1.666	1.680	1.672	1.669	1.669	1.648	2.64
8)	2-Chlorophenol	1.384	1.382	1.403	1.417	1.409	1.400	1.409	1.401	0.93
9)	Benzaldehyde	1.123	1.090	1.000	0.904	0.837	0.793	0.958	14.11	
10) C	Phenol	1.733	1.767	1.839	1.836	1.844	1.828	1.833	1.811	2.40
11)	bis(2-Chloroet...	1.427	1.430	1.485	1.459	1.455	1.438	1.440	1.448	1.40
12)	1,3-Dichlorobe...	1.598	1.604	1.613	1.593	1.597	1.574	1.587	1.595	0.78
13) C	1,4-Dichlorobe...	1.617	1.640	1.633	1.621	1.624	1.605	1.616	1.622	0.71
14)	1,2-Dichlorobe...	1.580	1.575	1.593	1.564	1.573	1.543	1.561	1.570	1.02
15)	Benzyl Alcohol	1.099	1.147	1.203	1.219	1.223	1.223	1.224	1.191	4.14
16)	2,2'-oxybis(1-...	2.397	2.413	2.476	2.437	2.435	2.383	2.405	2.421	1.28
17)	2-Methylphenol	1.095	1.134	1.174	1.174	1.179	1.172	1.189	1.160	2.86
18)	Hexachloroethane	0.540	0.545	0.550	0.559	0.563	0.560	0.569	0.555	1.85
19) P	n-Nitroso-di-n...	1.156	1.196	1.239	1.225	1.220	1.216	1.216	1.210	2.23
20)	3+4-Methylphenols	1.500	1.542	1.646	1.640	1.652	1.641	1.642	1.609	3.82
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.491	0.503	0.501	0.498	0.500	0.490	0.497	0.497	1.01
23) S	Nitrobenzene-d5	0.243	0.275	0.302	0.315	0.329	0.327	0.334	0.303	11.05
24)	Nitrobenzene	0.269	0.314	0.337	0.349	0.356	0.355	0.361	0.334	9.88
25)	Isophorone	0.655	0.682	0.686	0.687	0.692	0.678	0.680	0.680	1.79
26) C	2-Nitrophenol	0.099	0.116	0.132	0.147	0.148	0.158	0.133	16.74	
27)	2,4-Dimethylph...	0.322	0.319	0.316	0.316	0.318	0.312	0.315	0.317	1.01
28)	bis(2-Chloroet...	0.465	0.471	0.468	0.463	0.467	0.457	0.457	0.464	1.17
29) C	2,4-Dichloroph...	0.263	0.288	0.298	0.304	0.309	0.305	0.311	0.297	5.67
30)	1,2,4-Trichlor...	0.324	0.327	0.327	0.326	0.333	0.327	0.333	0.328	1.03
31)	Naphthalene	1.104	1.102	1.081	1.074	1.080	1.060	1.058	1.080	1.68
32)	Benzoic acid	0.139	0.170	0.198	0.215	0.223	0.232	0.196	18.16	
33)	4-Chloroaniline	0.445	0.471	0.477	0.476	0.482	0.476	0.480	0.472	2.63
34) C	Hexachlorobuta...	0.189	0.186	0.185	0.186	0.190	0.185	0.189	0.187	1.19
35)	Caprolactam	0.101	0.106	0.107	0.107	0.109	0.108	0.109	0.107	2.54
36) C	4-Chloro-3-met...	0.322	0.341	0.347	0.352	0.361	0.356	0.360	0.348	3.87
37)	2-Methylnaphth...	0.757	0.760	0.757	0.750	0.753	0.743	0.742	0.752	0.96

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38) I	Acenaphthene-d10	-----ISTD-----									
39)	1,2,4,5-Tetrac...	0.589	0.597	0.598	0.611	0.616	0.599	0.603	0.602	1.50	
40) P	Hexachlorocycl...		0.229	0.259	0.279	0.296	0.289	0.304	0.276	10.12	
41) S	2,4,6-Tribromo...	0.195	0.218	0.230	0.237	0.245	0.247	0.246	0.231	8.18	
42) C	2,4,6-Trichlor...	0.347	0.375	0.398	0.409	0.419	0.416	0.425	0.398	7.06	
43)	2,4,5-Trichlor...	0.354	0.381	0.402	0.419	0.427	0.422	0.427	0.405	6.85	
44) S	2-Fluorobiphenyl	1.439	1.445	1.424	1.411	1.394	1.354	1.247	1.387	4.98	
45)	1,1'-Biphenyl	1.802	1.799	1.791	1.776	1.786	1.754	1.721	1.776	1.63	
46)	2-Chloronaphth...	1.306	1.328	1.316	1.327	1.333	1.308	1.315	1.319	0.80	
47)	2-Nitroaniline		0.285	0.351	0.394	0.419	0.430	0.444	0.387	15.47	
48)	Acenaphthylene	2.022	2.080	2.075	2.080	2.084	2.037	2.008	2.055	1.56	
49)	Dimethylphthalate	1.604	1.624	1.585	1.592	1.603	1.572	1.546	1.589	1.59	
50)	2,6-Dinitrotol...		0.239	0.286	0.308	0.323	0.323	0.327	0.301	11.19	
51) C	Acenaphthene	1.302	1.329	1.330	1.334	1.359	1.347	1.342	1.335	1.35	
52)	3-Nitroaniline		0.311	0.373	0.398	0.415	0.419	0.429	0.391	11.25	
53) P	2,4-Dinitrophenol		0.054	0.073	0.093	0.110	0.118	0.134	0.097	30.46	
54)	Dibenzofuran	1.900	1.888	1.847	1.837	1.842	1.802	1.765	1.840	2.52	
55) P	4-Nitrophenol		0.239	0.287	0.308	0.321	0.330	0.338	0.304	11.99	
56)	2,4-Dinitrotol...		0.287	0.362	0.403	0.428	0.436	0.448	0.394	15.38	
57)	Fluorene	1.683	1.664	1.615	1.603	1.597	1.563	1.505	1.604	3.74	
58)	2,3,4,6-Tetrac...	0.277	0.308	0.327	0.338	0.346	0.346	0.349	0.327	8.02	
59)	Diethylphthalate	1.678	1.647	1.638	1.639	1.641	1.621	1.598	1.637	1.49	
60)	4-Chlorophenyl...	0.770	0.763	0.749	0.750	0.748	0.732	0.726	0.748	2.05	
61)	4-Nitroaniline		0.325	0.385	0.416	0.430	0.438	0.444	0.406	11.11	
62)	Azobenzene	1.456	1.491	1.485	1.483	1.491	1.470	1.454	1.476	1.08	
63) I	Phenanthrene-d10	-----ISTD-----									
64)	4,6-Dinitro-2-...		0.042	0.058	0.071	0.082	0.085	0.096	0.072	27.45	
65) c	n-Nitrosodiphe...	0.620	0.647	0.644	0.631	0.630	0.621	0.618	0.630	1.85	
66)	4-Bromophenyl-...	0.203	0.212	0.212	0.212	0.213	0.209	0.212	0.210	1.62	
67)	Hexachlorobenzene	0.244	0.247	0.247	0.247	0.249	0.246	0.248	0.247	0.62	
68)	Atrazine	0.185	0.190	0.189	0.185	0.184	0.180	0.179	0.185	2.16	
69) C	Pentachlorophenol	0.107	0.119	0.132	0.141	0.148	0.148	0.153	0.136	12.67	
70)	Phenanthrene	1.156	1.167	1.149	1.121	1.103	1.084	1.018	1.114	4.64	
71)	Anthracene	1.132	1.179	1.160	1.131	1.117	1.096	1.024	1.120	4.48	
72)	Carbazole	1.088	1.137	1.110	1.084	1.073	1.057	1.006	1.079	3.84	
73)	Di-n-butylphth...	1.233	1.326	1.337	1.315	1.302	1.213	1.052	1.254	8.05	
74) C	Fluoranthene	1.333	1.361	1.333	1.292	1.259	1.243	1.074	1.271	7.59	
75) I	Chrysene-d12	-----ISTD-----									
76)	Benzidine		0.372	0.441	0.387	0.396	0.399	0.375	0.395	6.35	
77)	Pyrene	1.248	1.288	1.279	1.262	1.262	1.196	1.045	1.226	6.94	
78) S	Terphenyl-d14	0.869	0.875	0.860	0.820	0.741	0.671		0.806	10.26	
79)	Butylbenzylphth...	0.446	0.498	0.544	0.567	0.586	0.571	0.578	0.541	9.49	
80)	Benzo(a)anthra...	1.157	1.169	1.141	1.128	1.126	1.108	1.000	1.119	5.01	
81)	3,3'-Dichlorob...	0.326	0.441	0.449	0.446	0.443	0.443	0.425	0.425	10.36	
82)	Chrysene	1.113	1.100	1.083	1.069	1.062	1.034	0.919	1.054	6.16	

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83)	Bis(2-ethylhex...	0.753	0.786	0.817	0.831	0.828	0.791	0.750	0.794	4.21
84) c	Di-n-octyl pht...	1.292	1.368	1.437	1.456	1.395	1.316	1.102	1.338	8.95
85)	Indeno(1,2,3-c...	0.980	0.999	0.966	0.982	0.964	1.033	0.960	0.983	2.61
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.198	1.225	1.262	1.236	1.239	1.223	1.212	1.228	1.67
88)	Benzo(k)fluora...	1.150	1.208	1.188	1.206	1.212	1.124	1.154	1.177	2.95
89) C	Benzo(a)pyrene	1.064	1.104	1.121	1.129	1.131	1.100	1.103	1.107	2.09
90)	Dibenzo(a,h)an...	0.916	0.954	0.938	0.955	0.963	0.963	0.946	0.948	1.77
91)	Benzo(g,h,i)pe...	0.900	0.910	0.908	0.918	0.933	0.924	0.919	0.916	1.19

(#) = Out of Range