

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM072617.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jul 26 17:29:06 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BM010964.D 10 =BM010965.D 25 =BM010966.D 40 =BM010967.D 50 =BM010968.D 60 =BM010969.D 80 =BM010970.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.604	0.505	0.507	0.511	0.534	0.511	0.546	0.531	6.74
3)	Pyridine	1.347	1.455	1.442	1.453	1.523	1.430	1.508	1.451	3.94
4)	n-Nitrosodimet...	0.678	0.731	0.742	0.739	0.759	0.737	0.789	0.739	4.51
5) S	2-Fluorophenol	1.146	1.120	1.134	1.155	1.240	1.209	1.278	1.183	5.04
6)	Aniline	2.018	2.074	2.114	2.093	2.203	2.128	2.200	2.119	3.14
7) S	Phenol-d6	1.545	1.623	1.650	1.688	1.754	1.707	1.800	1.681	5.05
8)	2-Chlorophenol	1.079	1.213	1.196	1.181	1.255	1.200	1.285	1.201	5.42
9)	Benzaldehyde	1.294	1.192	1.041	1.014	0.897		1.088		14.33
10) C	Phenol	1.767	1.829	1.798	1.819	1.860	1.826	1.882	1.826	2.07
11)	bis(2-Chloroet...	1.361	1.453	1.418	1.401	1.465	1.394	1.467	1.423	2.85
12)	1,3-Dichlorobe...	1.492	1.421	1.429	1.416	1.486	1.460	1.544	1.464	3.19
13) C	1,4-Dichlorobe...	1.528	1.413	1.431	1.490	1.563	1.500	1.578	1.501	4.14
14)	1,2-Dichlorobe...	1.462	1.437	1.394	1.400	1.461	1.404	1.486	1.435	2.53
15)	Benzyl Alcohol	1.557	1.618	1.630	1.591	1.646	1.591	1.654	1.613	2.14
16)	2,2'-oxybis(1-...	1.297	1.289	1.275	1.253	1.321	1.237	1.289	1.280	2.18
17)	2-Methylphenol	1.113	1.155	1.146	1.160	1.216	1.168	1.209	1.167	3.06
18)	Hexachloroethane	0.670	0.618	0.631	0.642	0.676	0.645	0.699	0.654	4.36
19) P	n-Nitroso-di-n...	1.412	1.428	1.442	1.418	1.463	1.387	1.449	1.428	1.79
20)	3+4-Methylphenols	1.549	1.586	1.655	1.608	1.669	1.613	1.674	1.622	2.86
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.608	0.587	0.586	0.578	0.609	0.607	0.622	0.600	2.66
23) S	Nitrobenzene-d5	0.494	0.506	0.526	0.525	0.560	0.550	0.568	0.533	5.18
24)	Nitrobenzene	0.536	0.539	0.547	0.538	0.570	0.563	0.572	0.552	2.87
25)	Isophorone	0.869	0.852	0.905	0.858	0.915	0.902	0.919	0.888	3.16
26) C	2-Nitrophenol	0.156	0.155	0.171	0.176	0.188	0.188	0.196	0.176	9.21
27)	2,4-Dimethylph...	0.290	0.309	0.302	0.301	0.321	0.318	0.324	0.309	3.96
28)	bis(2-Chloroet...	0.515	0.475	0.496	0.483	0.503	0.495	0.502	0.496	2.65
29) C	2,4-Dichloroph...	0.318	0.335	0.355	0.341	0.361	0.356	0.367	0.348	4.86
30)	1,2,4-Trichlor...	0.434	0.406	0.427	0.413	0.446	0.434	0.448	0.430	3.72
31)	Naphthalene	1.003	0.941	0.991	0.969	1.040	1.035	1.064	1.006	4.27
32)	Benzoic acid	0.221	0.247	0.242	0.260	0.258	0.263	0.249		6.39
33)	4-Chloroaniline	0.371	0.394	0.409	0.390	0.419	0.408	0.418	0.401	4.28
34) C	Hexachlorobuta...	0.332	0.325	0.327	0.332	0.352	0.348	0.353	0.338	3.56
35)	Caprolactam	0.099	0.097	0.106	0.091	0.101	0.095	0.100	0.099	4.98
36) C	4-Chloro-3-met...	0.413	0.439	0.467	0.435	0.463	0.457	0.469	0.449	4.61
37)	2-Methylnaphth...	0.709	0.716	0.744	0.722	0.756	0.753	0.774	0.739	3.25

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.836	0.834	0.818	0.842	0.909	0.884	0.892	0.859	4.10
40) P	Hexachlorocycl...	0.419	0.458	0.464	0.506	0.563	0.538	0.556	0.501	11.00
41) S	2,4,6-Tribromo...	0.297	0.308	0.324	0.310	0.343	0.327	0.335	0.321	5.08
42) C	2,4,6-Trichlor...	0.456	0.485	0.517	0.528	0.567	0.538	0.549	0.520	7.38
43)	2,4,5-Trichlor...	0.482	0.531	0.522	0.536	0.576	0.548	0.556	0.536	5.58
44) S	2-Fluorobiphenyl	1.562	1.521	1.518	1.577	1.693	1.625	1.667	1.595	4.32
45)	1,1'-Biphenyl	1.650	1.671	1.687	1.691	1.841	1.767	1.797	1.729	4.19
46)	2-Chloronaphth...	1.230	1.257	1.222	1.250	1.356	1.286	1.319	1.274	3.84
47)	2-Nitroaniline	0.376	0.418	0.447	0.454	0.500	0.473	0.488	0.451	9.49
48)	Acenaphthylene	1.690	1.883	1.876	1.867	2.038	1.953	2.005	1.902	6.03
49)	Dimethylphthalate	1.751	1.676	1.700	1.637	1.779	1.693	1.740	1.711	2.84
50)	2,6-Dinitrotol...	0.299	0.337	0.349	0.345	0.370	0.353	0.368	0.346	6.84
51) C	Acenaphthene	1.142	1.142	1.144	1.146	1.242	1.202	1.223	1.177	3.71
52)	3-Nitroaniline	0.272	0.268	0.309	0.294	0.328	0.304	0.327	0.300	8.03
53) P	2,4-Dinitrophenol		0.214	0.238	0.237	0.264	0.258	0.265	0.246	8.08
54)	Dibenzofuran	1.883	1.868	1.859	1.861	2.018	1.907	1.958	1.908	3.13
55) P	4-Nitrophenol	0.227	0.233	0.274	0.259	0.293	0.273	0.287	0.264	9.69
56)	2,4-Dinitrotol...	0.387	0.473	0.492	0.482	0.535	0.503	0.527	0.486	10.09
57)	Fluorene	1.579	1.615	1.660	1.592	1.752	1.670	1.759	1.661	4.37
58)	2,3,4,6-Tetrac...	0.452	0.510	0.515	0.485	0.526	0.504	0.523	0.502	5.16
59)	Diethylphthalate	1.736	1.690	1.744	1.686	1.826	1.749	1.799	1.747	2.96
60)	4-Chlorophenyl...	0.997	0.997	0.989	0.954	1.045	1.001	1.035	1.003	2.99
61)	4-Nitroaniline	0.301	0.298	0.333	0.305	0.350	0.332	0.312	0.319	6.21
62)	Azobenzene	1.744	1.876	1.882	1.814	1.985	1.869	1.920	1.870	4.07
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.114	0.119	0.133	0.137	0.147	0.146	0.151	0.135	10.57
65) c	n-Nitrosodiphe...	0.550	0.543	0.557	0.559	0.600	0.593	0.604	0.572	4.49
66)	4-Bromophenyl-...	0.251	0.245	0.250	0.252	0.265	0.266	0.270	0.257	3.84
67)	Hexachlorobenzene	0.285	0.273	0.283	0.289	0.302	0.295	0.307	0.291	4.00
68)	Atrazine	0.207	0.221	0.232	0.233	0.244	0.235	0.234	0.229	5.17
69) C	Pentachlorophenol	0.153	0.167	0.188	0.189	0.200	0.194	0.200	0.184	9.60
70)	Phenanthrene	1.012	0.989	1.034	1.038	1.090	1.071	1.097	1.047	3.85
71)	Anthracene	0.980	0.997	1.033	1.038	1.089	1.074	1.100	1.044	4.38
72)	Carbazole	0.855	0.869	0.911	0.893	0.964	0.937	0.964	0.913	4.81
73)	Di-n-butylphth...	0.971	1.023	1.102	1.118	1.195	1.178	1.199	1.112	7.95
74) C	Fluoranthene	1.290	1.226	1.258	1.275	1.341	1.327	1.367	1.298	3.82
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.433	0.498	0.490	0.497	0.475	0.479	0.478	5.09
77)	Pyrene	1.036	1.133	1.244	1.173	1.254	1.212	1.268	1.188	6.93
78) S	Terphenyl-d14	0.946	0.992	1.082	1.019	1.076	1.027	0.924	1.010	5.97
79)	Butylbenzylphth...	0.314	0.363	0.424	0.436	0.472	0.463	0.485	0.423	14.79
80)	Benzo(a)anthra...	1.105	1.092	1.123	1.125	1.197	1.152	1.199	1.142	3.72
81)	3,3'-Dichlorob...	0.387	0.410	0.445	0.456	0.487	0.468	0.482	0.448	8.35
82)	Chrysene	1.109	1.042	1.049	1.069	1.150	1.109	1.147	1.096	4.04

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83)	Bis(2-ethylhex...	0.500	0.532	0.610	0.629	0.689	0.680	0.712	0.622	12.96
84) c	Di-n-octyl pht...	0.879	0.859	0.961	1.029	1.110	1.081	1.144	1.009	11.14
85)	Indeno(1,2,3-c...	1.245	1.036	1.013	1.093	1.193	1.143	1.224	1.135	8.04
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.161	1.192	1.310	1.280	1.341	1.304	1.397	1.284	6.42
88)	Benzo(k)fluora...	1.149	1.175	1.218	1.198	1.310	1.276	1.285	1.230	4.94
89) C	Benzo(a)pyrene	1.089	1.095	1.154	1.146	1.223	1.185	1.239	1.162	5.01
90)	Dibenzo(a,h)an...	1.130	0.993	1.013	1.035	1.125	1.090	1.152	1.077	5.86
91)	Benzo(g,h,i)pe...	1.118	0.976	0.989	1.026	1.102	1.069	1.122	1.057	5.76

(#) = Out of Range