

Method Path : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\
 Method File : 8270-BN072518.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jul 25 20:08:02 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BN002132.D 10 =BN002133.D 25 =BN002134.D 40 =BN002135.D 50 =BN002136.D 60 =BN002137.D 80 =BN002138.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.484	0.501	0.444	0.464	0.441	0.471	0.460	0.466	4.60
3)	Pyridine	1.356	1.412	1.318	1.392	1.294	1.337	1.348	1.351	3.02
4)	n-Nitrosodimet...	0.663	0.587	0.547	0.561	0.559	0.576	0.563	0.579	6.71
5) S	2-Fluorophenol	1.163	1.341	1.202	1.249	1.236	1.264	1.242	1.242	4.42
6)	Aniline	1.941	2.295	2.102	2.128	2.169	2.151	2.120	2.130	4.92
7) S	Phenol-d6	1.564	1.874	1.713	1.763	1.770	1.759	1.760	1.743	5.33
8)	2-Chlorophenol	1.338	1.563	1.408	1.450	1.440	1.453	1.433	1.441	4.64
9)	Benzaldehyde	1.146	1.334	1.128	1.058	1.015	0.964	0.870	1.074	13.87
10) C	Phenol	1.603	1.919	1.768	1.792	1.824	1.801	1.802	1.787	5.28
11)	bis(2-Chloroet...	1.419	1.553	1.416	1.446	1.458	1.450	1.439	1.454	3.16
12)	1,3-Dichlorobe...	1.585	1.774	1.599	1.647	1.619	1.644	1.626	1.642	3.80
13) C	1,4-Dichlorobe...	1.638	1.833	1.633	1.674	1.645	1.682	1.654	1.680	4.16
14)	1,2-Dichlorobe...	1.634	1.770	1.563	1.605	1.594	1.599	1.577	1.620	4.30
15)	Benzyl Alcohol	1.318	1.312	1.258	1.306	1.360	1.319	1.336	1.316	2.36
16)	2,2'-oxybis(1-...	2.331	2.621	2.328	2.287	2.313	2.294	2.267	2.349	5.20
17)	2-Methylphenol	1.162	1.302	1.205	1.212	1.241	1.203	1.215	1.220	3.52
18)	Hexachloroethane	0.595	0.658	0.606	0.616	0.607	0.613	0.609	0.615	3.26
19) P	n-Nitroso-di-n...	1.193	1.413	1.282	1.210	1.289	1.226	1.239	1.265	5.88
20)	3+4-Methylphenols	1.544	1.872	1.676	1.686	1.749	1.685	1.703	1.702	5.75
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.491	0.560	0.513	0.519	0.521	0.521	0.507	0.519	4.06
23) S	Nitrobenzene-d5	0.359	0.418	0.384	0.395	0.391	0.395	0.387	0.390	4.47
24)	Nitrobenzene	0.380	0.437	0.397	0.407	0.405	0.406	0.398	0.404	4.20
25)	Isophorone	0.617	0.735	0.663	0.656	0.691	0.662	0.665	0.670	5.39
26) C	2-Nitrophenol	0.170	0.205	0.190	0.199	0.202	0.200	0.200	0.195	6.22
27)	2,4-Dimethylph...	0.238	0.293	0.269	0.275	0.277	0.277	0.271	0.272	6.10
28)	bis(2-Chloroet...	0.415	0.473	0.428	0.427	0.435	0.427	0.424	0.433	4.39
29) C	2,4-Dichloroph...	0.279	0.339	0.313	0.319	0.324	0.323	0.319	0.317	5.84
30)	1,2,4-Trichlor...	0.347	0.384	0.352	0.361	0.355	0.360	0.351	0.359	3.40
31)	Naphthalene	0.996	1.094	0.988	1.003	0.997	1.005	0.982	1.009	3.77
32)	Benzoic acid	0.220	0.221	0.223	0.244	0.234	0.240	0.230		4.60
33)	4-Chloroaniline	0.400	0.494	0.450	0.448	0.461	0.447	0.443	0.449	6.16
34) C	Hexachlorobuta...	0.208	0.233	0.217	0.221	0.216	0.223	0.218	0.220	3.50
35)	Caprolactam	0.091	0.121	0.111	0.103	0.120	0.104	0.107	0.108	9.66
36) C	4-Chloro-3-met...	0.319	0.395	0.362	0.352	0.379	0.356	0.358	0.360	6.59
37)	2-Methylnaphth...	0.694	0.779	0.705	0.698	0.714	0.699	0.695	0.712	4.24

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.628	0.715	0.645	0.701	0.660	0.690	0.668	0.672	4.61
40) P	Hexachlorocycl...	0.272	0.382	0.366	0.418	0.386	0.424	0.412	0.380	13.73
41) S	2,4,6-Tribromo...	0.245	0.284	0.260	0.256	0.270	0.249	0.253	0.260	5.19
42) C	2,4,6-Trichlor...	0.388	0.479	0.445	0.464	0.458	0.465	0.460	0.451	6.54
43)	2,4,5-Trichlor...	0.416	0.515	0.467	0.489	0.482	0.488	0.488	0.478	6.48
44) S	2-Fluorobiphenyl	1.489	1.671	1.501	1.573	1.498	1.541	1.476	1.535	4.46
45)	1,1'-Biphenyl	1.672	1.922	1.715	1.784	1.732	1.765	1.729	1.760	4.54
46)	2-Chloronaphth...	1.275	1.463	1.322	1.387	1.343	1.376	1.344	1.358	4.35
47)	2-Nitroaniline	0.364	0.470	0.436	0.443	0.459	0.441	0.446	0.437	7.85
48)	Acenaphthylene	1.947	2.239	2.033	2.072	2.071	2.057	2.012	2.061	4.34
49)	Dimethylphthalate	1.630	1.857	1.640	1.626	1.683	1.594	1.600	1.661	5.48
50)	2,6-Dinitrotol...	0.326	0.406	0.368	0.369	0.386	0.363	0.367	0.369	6.53
51) C	Acenaphthene	1.201	1.354	1.210	1.245	1.244	1.225	1.213	1.242	4.22
52)	3-Nitroaniline	0.337	0.441	0.400	0.402	0.429	0.394	0.397	0.400	8.24
53) P	2,4-Dinitrophenol		0.187	0.179	0.190	0.216	0.195	0.205	0.195	6.86
54)	Dibenzofuran	1.995	2.233	1.956	2.001	2.018	1.955	1.935	2.013	5.03
55) P	4-Nitrophenol	0.239	0.337	0.309	0.310	0.342	0.304	0.308	0.307	10.99
56)	2,4-Dinitrotol...	0.442	0.544	0.497	0.497	0.543	0.488	0.496	0.501	6.96
57)	Fluorene	1.503	1.705	1.489	1.497	1.536	1.449	1.443	1.517	5.85
58)	2,3,4,6-Tetrac...	0.385	0.452	0.406	0.408	0.424	0.403	0.400	0.411	5.17
59)	Diethylphthalate	1.668	1.895	1.670	1.636	1.765	1.592	1.611	1.691	6.27
60)	4-Chlorophenyl...	0.842	0.929	0.819	0.831	0.847	0.807	0.802	0.840	5.10
61)	4-Nitroaniline	0.347	0.455	0.409	0.406	0.447	0.393	0.396	0.408	8.91
62)	Azobenzene	1.568	1.815	1.601	1.599	1.654	1.563	1.557	1.623	5.61
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.093	0.136	0.135	0.143	0.147	0.145	0.147	0.135	14.05
65) c	n-Nitrosodiphe...	0.606	0.713	0.652	0.674	0.651	0.683	0.667	0.664	4.96
66)	4-Bromophenyl-...	0.218	0.249	0.228	0.238	0.231	0.239	0.237	0.234	4.20
67)	Hexachlorobenzene	0.249	0.280	0.249	0.262	0.254	0.261	0.258	0.259	4.08
68)	Atrazine	0.211	0.247	0.222	0.224	0.227	0.219	0.213	0.223	5.33
69) C	Pentachlorophenol	0.118	0.175	0.166	0.175	0.179	0.176	0.178	0.167	13.06
70)	Phenanthrene	1.074	1.199	1.065	1.092	1.077	1.081	1.054	1.092	4.47
71)	Anthracene	1.028	1.188	1.061	1.092	1.078	1.072	1.046	1.081	4.79
72)	Carbazole	1.035	1.206	1.063	1.094	1.101	1.062	1.029	1.084	5.52
73)	Di-n-butylphth...	1.153	1.398	1.236	1.279	1.320	1.249	1.217	1.265	6.20
74) C	Fluoranthene	1.186	1.315	1.142	1.193	1.218	1.147	1.097	1.185	5.89
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.622	0.837	0.643	0.587	0.674	0.663	0.540	0.652	14.33
77)	Pvrene	1.286	1.519	1.405	1.337	1.364	1.353	1.390	1.379	5.27
78) S	Terphenyl-d14	0.924	1.077	0.973	0.921	0.945	0.934	0.939	0.959	5.71
79)	Butylbenzylphth...	0.508	0.634	0.595	0.600	0.639	0.612	0.615	0.600	7.32
80)	Benzo(a)anthra...	1.185	1.333	1.203	1.209	1.217	1.190	1.196	1.219	4.22
81)	3,3'-Dichlorob...	0.435	0.537	0.473	0.490	0.479	0.465	0.445	0.475	7.02
82)	Chrysene	1.145	1.257	1.137	1.159	1.146	1.146	1.135	1.161	3.73

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83)	Bis(2-ethylhex...	0.715	0.901	0.813	0.842	0.874	0.853	0.860	0.837	7.20
84) c	Di-n-octyl pht...	1.090	1.367	1.260	1.394	1.371	1.411	1.399	1.327	8.75
85)	Indeno(1,2,3-c...	0.954	1.161	1.056	1.281	1.007	1.245	1.217	1.132	11.18
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.166	1.275	1.130	1.175	1.184	1.149	1.184	1.180	3.91
88)	Benzo(k)fluora...	1.124	1.286	1.167	1.140	1.190	1.146	1.085	1.162	5.48
89) C	Benzo(a)pyrene	1.055	1.192	1.073	1.105	1.100	1.101	1.090	1.102	3.94
90)	Dibenzo(a,h)an...	0.919	1.103	1.010	1.095	0.985	1.076	1.056	1.035	6.48
91)	Benzo(g,h,i)pe...	0.867	1.057	0.970	1.063	0.951	1.056	1.039	1.000	7.40

(#) = Out of Range