

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF121417.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Dec 14 15:42:32 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF101394.D 10 =BF101388.D 25 =BF101389.D 40 =BF101390.D 50 =BF101391.D 60 =BF101392.D 80 =BF101393.D

Compound		2.5	10	25	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.696	0.704	0.696	0.688	0.695	0.661	0.690	2.19	
3)	Pyridine	1.810	1.891	1.945	1.960	1.983	1.912	1.917	3.23	
4)	n-Nitrosodimet...	0.740	0.897	0.904	0.922	0.925	0.908	0.883	7.99	
5) S	2-Fluorophenol	1.405	1.491	1.463	1.341	1.279	1.253	1.167	1.343	8.79
6)	Aniline	2.595	2.576	2.446	2.281	2.192	2.160	2.004	2.322	9.64
7) S	Phenol-d6	1.966	1.910	1.731	1.602	1.543	1.530	1.415	1.671	12.31
8)	2-Chlorophenol	1.642	1.553	1.489	1.373	1.311	1.296	1.222	1.412	10.81
9)	Benzaldehyde	1.431	1.359	1.290	1.224	1.150	1.135	1.049	1.234	10.92
10) C	Phenol	2.182	2.152	2.029	1.860	1.757	1.739	1.612	1.905	11.55
11)	bis(2-Chloroet...	1.567	1.612	1.538	1.479	1.439	1.451	1.371	1.494	5.56
12)	1,3-Dichlorobe...	1.805	1.737	1.644	1.568	1.511	1.487	1.407	1.594	8.93
13) C	1,4-Dichlorobe...	1.915	1.791	1.677	1.577	1.515	1.517	1.403	1.628	10.92
14)	1,2-Dichlorobe...	1.773	1.661	1.536	1.438	1.355	1.301	1.193	1.465	13.99
15)	Benzyl Alcohol	1.372	1.388	1.266	1.117	1.024	0.991	0.893	1.150	16.93
16)	2,2'-oxybis(1-...	2.505	2.414	2.291	2.234	2.196	2.078	2.286	6.74	
17)	2-Methylphenol	1.587	1.410	1.324	1.227	1.205	1.194	1.148	1.299	11.90
18)	Hexachloroethane	0.642	0.622	0.584	0.556	0.530	0.535	0.493	0.566	9.35
19) P	n-Nitroso-di-n...	1.351	1.349	1.133	1.019	0.945	0.967	0.917	1.097	16.94
20)	3+4-Methylphenols	1.813	1.569	1.357	1.244	1.209	1.068	1.377	19.72	
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.588	0.504	0.446	0.412	0.406	0.382	0.456	16.86	
23) S	Nitrobenzene-d5	0.399	0.374	0.360	0.348	0.344	0.331	0.359	6.77	
24)	Nitrobenzene	0.469	0.426	0.416	0.388	0.371	0.369	0.345	0.398	10.59
25)	Isophorone	0.816	0.775	0.716	0.699	0.679	0.686	0.676	0.721	7.49
26) C	2-Nitrophenol	0.158	0.162	0.176	0.177	0.175	0.177	0.170	0.171	4.44
27)	2,4-Dimethylph...	0.324	0.315	0.306	0.282	0.274	0.271	0.260	0.290	8.46
28)	bis(2-Chloroet...	0.538	0.514	0.472	0.444	0.424	0.417	0.396	0.458	11.49
29) C	2,4-Dichloroph...	0.305	0.310	0.301	0.286	0.274	0.273	0.259	0.287	6.61
30)	1,2,4-Trichlor...	0.342	0.342	0.315	0.298	0.280	0.278	0.263	0.303	10.45
31)	Naphthalene	1.246	1.140	1.043	0.970	0.918	0.896	0.836	1.007	14.45
32)	Benzoic acid	0.094	0.164	0.167	0.193	0.204	0.216	0.173	25.34	
33)	4-Chloroaniline	0.504	0.504	0.458	0.422	0.401	0.390	0.384	0.438	11.79
34) C	Hexachlorobuta...	0.204	0.194	0.180	0.172	0.164	0.162	0.150	0.175	10.89
35)	Caprolactam	0.098	0.104	0.102	0.098	0.096	0.095	0.103	0.100	3.49
36) C	4-Chloro-3-met...	0.356	0.352	0.329	0.312	0.292	0.291	0.276	0.315	9.92
37)	2-Methylnaphth...	0.818	0.764	0.683	0.629	0.586	0.575	0.537	0.656	15.87

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.808	0.750	0.707	0.656	0.628	0.617	0.560	0.675	12.62
40) P	Hexachlorocycl...		0.009	0.049	0.084	0.113	0.128	0.147	0.088	58.92
41) S	2,4,6-Tribromo...	0.212	0.214	0.200	0.191	0.181	0.182	0.170	0.193	8.56
42) C	2,4,6-Trichlor...	0.406	0.434	0.422	0.410	0.403	0.397	0.373	0.407	4.81
43)	2,4,5-Trichlor...	0.463	0.462	0.467	0.449	0.443	0.433	0.399	0.445	5.29
44) S	2-Fluorobiphenyl		1.714	1.430	1.261	1.176	1.138	1.017	1.289	19.35
45)	1,1'-Biphenyl	2.253	2.055	1.824	1.685	1.605	1.567	1.427	1.774	16.45
46)	2-Chloronaphth...	1.682	1.542	1.394	1.292	1.251	1.216	1.123	1.357	14.47
47)	2-Nitroaniline	0.474	0.482	0.489	0.466	0.468	0.456	0.447	0.469	3.08
48)	Acenaphthylene	2.745	2.549	2.262	2.030	1.898	1.840	1.681	2.144	18.25
49)	Dimethylphthalate	1.970	1.790	1.634	1.527	1.469	1.469	1.401	1.609	12.77
50)	2,6-Dinitrotol...		0.353	0.347	0.331	0.319	0.317	0.294	0.327	6.66
51) C	Acenaphthene	1.621	1.494	1.336	1.220	1.157	1.132	1.056	1.288	16.02
52)	3-Nitroaniline		0.434	0.428	0.411	0.397	0.393	0.383	0.408	4.96
53) P	2,4-Dinitrophenol		0.042	0.068	0.088	0.100	0.108	0.118	0.087	32.29
54)	Dibenzofuran		2.107	1.817	1.608	1.517	1.451	1.320	1.637	17.36
55) P	4-Nitrophenol		0.133	0.174	0.186	0.188	0.193	0.194	0.178	13.12
56)	2,4-Dinitrotol...		0.426	0.401	0.369	0.350	0.344	0.321	0.368	10.58
57)	Fluorene		1.725	1.529	1.361	1.313	1.246	1.134	1.385	15.31
58)	2,3,4,6-Tetrac...	0.324	0.329	0.331	0.320	0.316	0.315	0.303	0.320	3.05
59)	Diethylphthalate	2.032	1.841	1.634	1.488	1.430	1.418	1.309	1.593	16.31
60)	4-Chlorophenyl...		0.829	0.728	0.663	0.616	0.602	0.544	0.664	15.31
61)	4-Nitroaniline		0.438	0.432	0.405	0.400	0.397	0.386	0.410	5.03
62)	Azobenzene	2.138	1.925	1.689	1.545	1.471	1.437	1.347	1.650	17.42
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.066	0.094	0.107	0.113	0.115	0.117	0.102	19.38
65) c	n-Nitrosodiphe...	0.897	0.839	0.761	0.709	0.689	0.664	0.610	0.738	13.68
66)	4-Bromophenyl-...	0.254	0.257	0.231	0.219	0.212	0.207	0.192	0.225	10.74
67)	Hexachlorobenzene	0.282	0.267	0.243	0.231	0.224	0.218	0.201	0.238	11.91
68)	Atrazine	0.252	0.248	0.226	0.216	0.208	0.202	0.189	0.220	10.60
69) C	Pentachlorophenol		0.051	0.068	0.079	0.088	0.094	0.092	0.079	21.01
70)	Phenanthrene	1.401	1.299	1.164	1.048	1.015	0.963	0.895	1.112	16.59
71)	Anthracene	1.428	1.344	1.188	1.077	1.039	0.967	0.910	1.136	16.98
72)	Carbazole	1.302	1.249	1.113	1.015	0.981	0.930	0.855	1.064	15.55
73)	Di-n-butylphth...	1.599	1.525	1.344	1.219	1.181	1.116	1.054	1.291	16.02
74) C	Fluoranthene	1.447	1.395	1.219	1.105	1.057	1.027	0.923	1.167	16.71
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.746	0.953	0.890	0.839	0.800	0.842	0.845	0.845	7.74
77)	Pyrene	1.723	1.661	1.522	1.450	1.429	1.398	1.324	1.501	9.62
78) S	Terphenyl-d14	1.071	0.981	0.834	0.775	0.738	0.730	0.678	0.830	17.42
79)	Butylbenzylphth...	0.718	0.723	0.690	0.671	0.661	0.663	0.629	0.679	4.89
80)	Benzo(a)anthra...	1.504	1.430	1.342	1.278	1.253	1.253	1.184	1.321	8.51
81)	3,3'-Dichlorob...	0.509	0.515	0.477	0.426	0.397	0.367	0.323	0.431	17.06
82)	Chrysene	1.478	1.412	1.274	1.199	1.155	1.145	1.066	1.247	12.04

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83)	Bis(2-ethylhex...	1.030	1.005	0.915	0.837	0.792	0.762	0.680	0.860	15.00
84) c	Di-n-octyl pht...	1.697	1.701	1.593	1.493	1.454	1.447	1.355	1.534	8.66
85)	Indeno(1,2,3-c...	1.272	1.305	1.208	1.041	0.988	0.992	0.966	1.110	13.17
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.350	1.327	1.183	1.219	1.168	1.135	1.152	1.219	7.05
88)	Benzo(k)fluora...	1.417	1.278	1.249	1.119	1.107	1.121	1.005	1.185	11.60
89) C	Benzo(a)pyrene	1.273	1.212	1.156	1.092	1.066	1.055	1.011	1.124	8.33
90)	Dibenzo(a,h)an...	1.136	1.097	1.018	0.910	0.871	0.873	0.849	0.965	12.20
91)	Benzo(g,h,i)pe...	1.040	1.062	1.000	0.909	0.889	0.894	0.894	0.955	7.96

(#) = Out of Range