

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF021716.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Feb 17 16:42:47 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF085082.D 10 =BF085083.D 25 =BF085084.D 40 =BF085085.D 50 =BF085086.D 60 =BF085087.D 80 =BF085088.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.480	0.528	0.539	0.561	0.562	0.567	0.554	0.542	5.64
3)	Pyridine	1.186	1.392	1.519	1.337	1.362	1.477	1.494	1.395	8.29
4)	n-Nitrosodimet...	0.595	0.625	0.668	0.711	0.689	0.702	0.695	0.669	6.47
5) S	2-Fluorophenol	1.045	1.197	1.166	1.146	1.204	1.240	1.013	1.144	7.40
6)	Aniline	1.836	1.977	2.021	2.101	2.055	2.017	1.980	1.998	4.17
7) S	Phenol-d6	1.437	1.417	1.463	1.526	1.450	1.431	1.346	1.439	3.74
8)	2-Chlorophenol	1.275	1.275	1.459	1.338	1.290	1.296	1.302	1.319	4.93
9)	Benzaldehyde	0.944	0.949	0.870	0.800	0.745	0.712	0.837		12.01
10) C	Phenol	1.524	1.485	1.472	1.815	1.577	1.447	1.567	1.555	7.98
11)	bis(2-Chloroet...	1.286	1.391	1.214	1.447	1.345	1.194	1.314	1.313	6.93
12)	1,3-Dichlorobe...	1.422	1.436	1.562	1.424	1.391	1.363	1.367	1.424	4.72
13) C	1,4-Dichlorobe...	1.408	1.413	1.492	1.547	1.524	1.475	1.260	1.446	6.71
14)	1,2-Dichlorobe...	1.419	1.447	1.435	1.278	1.258	1.283	1.251	1.339	6.71
15)	Benzyl Alcohol	0.965	1.009	1.198	1.052	1.025	1.121	1.026	1.056	7.40
16)	2,2'-oxybis(1-...	1.915	1.924	2.003	2.056	2.070	2.057	1.867	1.985	4.13
17)	2-Methylphenol	0.950	1.038	1.066	1.070	1.117	1.094	1.054	1.056	5.06
18)	Hexachloroethane	0.466	0.495	0.517	0.525	0.538	0.538	0.527	0.515	5.10
19) P	n-Nitroso-di-n...	0.940	0.964	1.065	0.972	1.043	0.951	0.939	0.982	5.20
20)	3+4-Methylphenols	1.299	1.388	1.484	1.346	1.280	1.371	1.118	1.327	8.55
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.596	0.567	0.543	0.481	0.445	0.440	0.416	0.498	14.11
23) S	Nitrobenzene-d5	0.308	0.312	0.345	0.342	0.319	0.331	0.326		4.79
24)	Nitrobenzene	0.265	0.341	0.387	0.336	0.322	0.358	0.327	0.334	11.17
25)	Isophorone	0.743	0.713	0.727	0.647	0.653	0.651	0.641	0.682	6.42
26) C	2-Nitrophenol	0.045	0.075	0.121	0.154	0.158	0.156	0.146	0.122	36.78#
27)	2,4-Dimethylph...	0.326	0.365	0.311	0.325	0.334	0.325	0.281	0.324	7.76
28)	bis(2-Chloroet...	0.430	0.481	0.413	0.359	0.385	0.404	0.358	0.404	10.64
29) C	2,4-Dichloroph...	0.255	0.313	0.278	0.283	0.292	0.285	0.248	0.279	7.84
30)	1,2,4-Trichlor...	0.351	0.344	0.313	0.312	0.315	0.306	0.287	0.318	6.93
31)	Naphthalene	1.144	1.104	0.960	0.978	0.936	0.881	0.725	0.961	14.53
32)	Benzoic acid	0.115	0.199	0.226	0.252	0.251	0.258	0.217		25.04
33)	4-Chloroaniline	0.459	0.486	0.413	0.375	0.387	0.397	0.371	0.413	10.63
34) C	Hexachlorobuta...	0.212	0.216	0.208	0.195	0.181	0.174	0.161	0.192	11.00
35)	Caprolactam	0.065	0.085	0.090	0.083	0.094	0.080	0.088	0.083	11.24
36) C	4-Chloro-3-met...	0.289	0.344	0.294	0.328	0.297	0.264	0.296	0.302	8.81
37)	2-Methylnaphth...	0.711	0.726	0.702	0.627	0.579	0.529	0.501	0.625	14.63

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.680	0.702	0.686	0.677	0.723	0.683	0.613	0.681	4.98
40) P	Hexachlorocycl...		0.281	0.348	0.386	0.405	0.396	0.373	0.365	12.51
41) S	2,4,6-Tribromo...	0.155	0.204	0.257	0.219	0.214	0.211	0.226	0.212	14.39
42) C	2,4,6-Trichlor...	0.307	0.384	0.467	0.477	0.466	0.483	0.442	0.432	14.92
43)	2,4,5-Trichlor...	0.332	0.399	0.474	0.478	0.476	0.391	0.432	0.426	13.01
44) S	2-Fluorobiphenyl	1.527	1.496	1.505	1.332	1.204	1.056		1.353	14.22
45)	1,1'-Biphenyl	1.914	1.870	1.734	1.806	1.787	1.604	1.262	1.711	12.95
46)	2-Chloronaphth...	1.301	1.280	1.330	1.360	1.289	1.160	1.091	1.259	7.71
47)	2-Nitroaniline	0.122	0.251	0.296	0.369	0.410	0.401		0.308	35.77
48)	Acenaphthylene	2.144	2.166	2.301	1.938	1.977	1.904	1.812	2.035	8.51
49)	Dimethylphthalate	1.387	1.589	1.471	1.603	1.496	1.304	1.426	1.468	7.31
50)	2,6-Dinitrotol...		0.250	0.293	0.342	0.325	0.288	0.357	0.309	12.80
51) C	Acenaphthene	1.353	1.317	1.363	1.182	1.229	1.197	1.140	1.254	7.10
52)	3-Nitroaniline		0.277	0.323	0.365	0.403	0.357	0.376	0.350	12.63
53) P	2,4-Dinitrophenol	0.018	0.037	0.082	0.088	0.114	0.138		0.079	57.11
54)	Dibenzofuran	1.785	1.817	1.874	1.612	1.586	1.519	1.534	1.675	8.72
55) P	4-Nitrophenol		0.226	0.285	0.272	0.280	0.331	0.271	0.278	12.10
56)	2,4-Dinitrotol...		0.299	0.359	0.432	0.399	0.365	0.432	0.381	13.39
57)	Fluorene	1.550	1.568	1.571	1.306	1.284	1.200	1.184	1.381	12.77
58)	2,3,4,6-Tetrac...	0.260	0.327	0.386	0.388	0.373	0.354	0.345	0.348	12.77
59)	Diethylphthalate	1.677	1.537	1.581	1.564	1.516	1.361	1.379	1.516	7.40
60)	4-Chlorophenyl...	0.798	0.773	0.747	0.686	0.693	0.671	0.625	0.713	8.61
61)	4-Nitroaniline		0.280	0.315	0.308	0.356	0.356	0.347	0.327	9.55
62)	Azobenzene	1.475	1.467	1.432	1.290	1.487	1.427	1.394	1.424	4.74
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.033	0.067	0.080	0.105	0.106	0.127	0.086	39.08
65) c	n-Nitrosodiphe...	0.688	0.707	0.612	0.644	0.629	0.589	0.547	0.631	8.80
66)	4-Bromophenyl-...	0.242	0.252	0.237	0.223	0.220	0.221	0.239	0.234	5.37
67)	Hexachlorobenzene	0.244	0.261	0.269	0.247	0.227	0.224	0.246	0.245	6.70
68)	Atrazine	0.164	0.187	0.190	0.174	0.195	0.206	0.156	0.182	9.69
69) C	Pentachlorophenol		0.126	0.140	0.148	0.156	0.161	0.161	0.149	9.20
70)	Phenanthrene	1.155	1.158	1.060	0.912	0.919	0.928	0.902	1.005	11.60
71)	Anthracene	1.084	1.143	1.084	1.057	0.975	0.948	0.808	1.014	11.13
72)	Carbazole	0.955	0.986	1.013	0.979	0.886	0.830	0.825	0.925	8.36
73)	Di-n-butylphth...	1.027	1.136	1.213	1.122	1.031	1.006	0.853	1.055	10.99
74) C	Fluoranthene	1.191	1.214	1.222	1.053	0.989	0.943	0.991	1.086	11.03
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.740	0.717	0.572	0.509	0.493	0.502	0.589	18.98
77)	Pyrene	1.339	1.384	1.349	1.125	0.994	1.039	1.199	1.204	13.10
78) S	Terphenyl-d14		0.910	0.748	0.744	0.650	0.651	0.581	0.714	16.11
79)	Butylbenzylphth...		0.393	0.519	0.520	0.472	0.493	0.473	0.479	9.78
80)	Benzo(a)anthra...	1.270	1.291	1.212	1.062	0.999	0.995	0.979	1.116	12.34
81)	3,3'-Dichlorob...	0.375	0.464	0.447	0.401	0.407	0.413	0.380	0.412	7.95
82)	Chrysene	1.172	1.189	1.191	0.961	0.818	0.868	0.989	1.027	15.33

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83)	Bis(2-ethylhex...	0.524	0.679	0.744	0.685	0.641	0.662	0.643	0.654	10.23
84) c	Di-n-octyl pht...	0.730	1.093	1.179	1.082	1.054	1.067	1.120	1.046	13.92
85)	Indeno(1,2,3-c...	1.110	1.240	1.166	0.836	0.852	0.836	0.912	0.993	17.44
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.364	1.424	1.281	1.276	1.139	1.147	1.294	1.275	8.20
88)	Benzo(k)fluora...	0.885	0.934	1.045	1.154	1.145	1.128	0.897	1.027	11.67
89) C	Benzo(a)pyrene	1.026	1.130	1.112	1.094	1.111	1.103	1.010	1.084	4.28
90)	Dibenzo(a,h)an...	0.938	1.032	1.001	0.873	0.878	0.884	0.870	0.925	7.25
91)	Benzo(g,h,i)pe...	0.959	1.033	0.959	0.837	0.831	0.864	0.869	0.908	8.44

(#) = Out of Range