

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF081616.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Aug 16 19:45:04 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF089726.D 10 =BF089727.D 25 =BF089728.D 40 =BF089729.D 50 =BF089730.D 60 =BF089731.D 80 =BF089732.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.786	0.672	0.615	0.586	0.565	0.544	0.563	0.619	13.75
3)	Pyridine	1.597	1.786	1.587	1.614	1.501	1.533	1.544	1.595	5.85
4)	n-Nitrosodimet...	0.649	0.626	0.666	0.654	0.622	0.630	0.634	0.640	2.57
5) S	2-Fluorophenol	1.323	1.383	1.215	1.246	1.207	1.037	0.980	1.199	12.09
6)	Aniline	2.198	2.369	2.110	2.051	1.920	1.893	1.806	2.049	9.51
7) S	Phenol-d6	1.693	1.618	1.654	1.545	1.448	1.375	1.340	1.525	9.14
8)	2-Chlorophenol	1.512	1.558	1.602	1.348	1.310	1.393	1.258	1.426	9.27
9)	Benzaldehyde	1.048	1.123	1.123	0.964	0.932	0.955	0.929	1.011	8.54
10) C	Phenol	2.193	1.858	2.126	1.943	1.911	1.531	1.721	1.898	11.96
11)	bis(2-Chloroet...	1.601	1.623	1.310	1.456	1.293	1.224	1.335	1.406	11.15
12)	1,3-Dichlorobe...	1.723	1.746	1.651	1.436	1.364	1.340	1.408	1.524	11.53
13) C	1,4-Dichlorobe...	1.775	1.731	1.725	1.539	1.438	1.306	1.293	1.544	13.27
14)	1,2-Dichlorobe...	1.728	1.660	1.445	1.402	1.429	1.407	1.234	1.472	11.42
15)	Benzyl Alcohol	1.050	1.111	1.262	0.951	0.961	0.979	0.818	1.019	13.78
16)	2,2'-oxybis(1-...	2.085	2.094	2.007	1.763	1.671	1.635	1.659	1.845	11.32
17)	2-Methylphenol	1.094	1.246	1.198	1.135	1.123	1.088	1.046	1.133	6.05
18)	Hexachloroethane	0.527	0.593	0.603	0.575	0.560	0.562	0.540	0.566	4.81
19) P	n-Nitroso-di-n...	1.013	1.152	1.029	0.940	0.956	0.951	0.949	0.999	7.62
20)	3+4-Methylphenols	1.607	1.613	1.669	1.255	1.317	1.243	1.451	13.71	
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.524	0.506	0.504	0.446	0.411	0.443	0.421	0.465	9.79
23) S	Nitrobenzene-d5	0.346	0.307	0.369	0.317	0.331	0.324	0.299	0.328	7.36
24)	Nitrobenzene	0.376	0.412	0.355	0.391	0.342	0.325	0.378	0.368	8.07
25)	Isophorone	0.671	0.647	0.709	0.636	0.644	0.648	0.632	0.655	4.12
26) C	2-Nitrophenol	0.137	0.168	0.163	0.180	0.192	0.198	0.176	0.173	11.67
27)	2,4-Dimethylph...	0.340	0.353	0.320	0.342	0.344	0.302	0.298	0.329	6.63
28)	bis(2-Chloroet...	0.395	0.423	0.439	0.359	0.375	0.420	0.376	0.398	7.48
29) C	2,4-Dichloroph...	0.267	0.298	0.269	0.287	0.286	0.263	0.245	0.274	6.42
30)	1,2,4-Trichlor...	0.314	0.323	0.313	0.278	0.272	0.276	0.280	0.294	7.47
31)	Naphthalene	1.005	1.024	1.045	0.839	0.790	0.779	0.802	0.898	13.44
32)	Benzoic acid	0.206	0.249	0.260	0.264	0.277	0.276	0.255	10.28	
33)	4-Chloroaniline	0.450	0.456	0.399	0.401	0.416	0.423	0.363	0.415	7.73
34) C	Hexachlorobuta...	0.174	0.170	0.167	0.150	0.141	0.140	0.136	0.154	10.39
35)	Caprolactam	0.069	0.084	0.080	0.082	0.090	0.090	0.095	0.084	10.25
36) C	4-Chloro-3-met...	0.288	0.323	0.295	0.312	0.265	0.318	0.283	0.298	7.04
37)	2-Methylnaphth...	0.638	0.667	0.622	0.615	0.615	0.598	0.522	0.611	7.38

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.731	0.769	0.725	0.566	0.539	0.591	0.581	0.643	14.71
40) P	Hexachlorocycl...	0.256	0.288	0.302	0.300	0.295	0.289	0.275	0.287	5.61
41) S	2,4,6-Tribromo...	0.189	0.209	0.241	0.180	0.169	0.184	0.183	0.193	12.52
42) C	2,4,6-Trichlor...	0.363	0.406	0.460	0.426	0.450	0.406	0.396	0.415	7.97
43)	2,4,5-Trichlor...	0.406	0.401	0.461	0.420	0.340	0.351	0.394	0.396	10.41
44) S	2-Fluorobiphenyl	1.468	1.362	1.435	1.047	0.920		1.246		19.81
45)	1,1'-Biphenyl	1.943	1.919	1.656	1.498	1.554	1.368		1.656	14.02
46)	2-Chloronaphth...	1.323	1.369	1.441	1.154	1.089	1.181	1.131	1.241	10.87
47)	2-Nitroaniline	0.293	0.397	0.417	0.367	0.387	0.418	0.370	0.378	11.30
48)	Acenaphthylene	2.047	2.262	2.157	1.823	1.768	1.770	1.548	1.911	13.20
49)	Dimethylphthalate	1.682	1.530	1.610	1.434	1.459	1.154	1.260	1.447	12.91
50)	2,6-Dinitrotol...	0.317	0.325	0.386	0.302	0.284	0.365	0.314	0.328	10.97
51) C	Acenaphthene	1.402	1.475	1.337	1.238	1.253	1.248	1.072	1.289	10.13
52)	3-Nitroaniline	0.349	0.359	0.436	0.393	0.430	0.341	0.360	0.381	10.25
53) P	2,4-Dinitrophenol	0.049	0.092	0.157	0.144	0.140			0.116	38.84
54)	Dibenzofuran	1.839	1.866	1.705	1.471	1.484	1.461	1.281	1.587	13.82
55) P	4-Nitrophenol	0.205	0.315	0.326	0.309	0.280	0.346	0.269	0.293	15.99
56)	2,4-Dinitrotol...	0.356	0.477	0.429	0.448	0.391	0.423	0.424	0.421	9.27
57)	Fluorene	1.472	1.547	1.507	1.130	1.052	1.176	1.089	1.282	16.90
58)	2,3,4,6-Tetrac...	0.309	0.349	0.317	0.304	0.303	0.309	0.275	0.309	7.12
59)	Diethylphthalate	1.482	1.760	1.607	1.507	1.435	1.285	1.195	1.467	12.90
60)	4-Chlorophenyl...	0.731	0.734	0.662	0.532	0.488			0.629	18.03
61)	4-Nitroaniline	0.346	0.374	0.381	0.373	0.373	0.352	0.389	0.370	4.15
62)	Azobenzene	1.479	1.463	1.629	1.456	1.342	1.212	1.124	1.387	12.48
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.096	0.122	0.104	0.134	0.109	0.132	0.116	13.32
65) c	n-Nitrosodiphe...	0.661	0.737	0.667	0.600	0.654	0.580	0.494	0.628	12.38
66)	4-Bromophenyl-...	0.229	0.219	0.212	0.214	0.214	0.195	0.165	0.207	10.23
67)	Hexachlorobenzene	0.259	0.252	0.255	0.233	0.224	0.196	0.192	0.230	12.04
68)	Atrazine	0.195	0.223	0.202	0.187	0.163	0.170	0.191	0.190	10.40
69) C	Pentachlorophenol	0.112	0.152	0.147	0.142	0.149	0.155	0.147	0.143	9.97
70)	Phenanthrene		1.241	1.114	1.030	0.974	0.808	0.731	0.983	19.32
71)	Anthracene	1.211	1.222	1.178	0.886	0.880	0.941	0.871	1.027	16.29
72)	Carbazole	1.181	1.183	1.026	0.995	0.956	0.776	0.695	0.973	19.11
73)	Di-n-butylphth...	1.309	1.452	1.194	1.083	1.053	1.012		1.184	14.37
74) C	Fluoranthene	1.151	1.179	1.145	0.905	0.875	0.817	0.843	0.988	16.41
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.638	0.768	0.736	0.647	0.654	0.768	0.814	0.718	9.89
77)	Pyrene	1.446	1.486	1.415	1.171	1.115	1.206	1.323	1.309	11.20
78) S	Terphenyl-d14		0.862	0.717	0.591	0.575	0.632	0.639	0.669	15.93
79)	Butylbenzylphth...		0.639	0.663	0.578	0.647	0.722	0.692	0.657	7.52
80)	Benzo(a)anthra...	1.212	1.264	1.201	1.099	1.030	1.166	1.161	1.162	6.65
81)	3,3'-Dichlorob...	0.349	0.437	0.475	0.395	0.431	0.438	0.440	0.423	9.52
82)	Chrysene	1.221	1.242	1.109	0.920	0.966	0.957	0.906	1.046	13.67

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83)	Bis(2-ethylhex...	0.744	0.945	0.907	0.810	0.804	0.911	0.962	0.869	9.49
84) c	Di-n-octyl pht...		1.329	1.480	1.274	1.224	1.433	1.363	1.351	7.09
85)	Indeno(1,2,3-c...	0.743	0.852	0.945	0.881	0.838	1.063	0.915	0.891	11.16
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.178	1.407	1.174	1.307	1.216	1.232	1.358	1.267	7.20
88)	Benzo(k)fluora...	1.115	1.121	1.228	0.808	0.943			1.043	15.94
89) C	Benzo(a)pyrene	0.974	1.167	1.119	1.029	1.053	0.949	1.032	1.046	7.32
90)	Dibenzo(a,h)an...	0.722	0.844	0.880	0.819	0.828	0.813	0.860	0.824	6.15
91)	Benzo(g,h,i)pe...	0.782	0.841	0.880	0.825	0.835	0.827	0.880	0.838	4.06

(#) = Out of Range