

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF092016.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Sep 20 17:58:29 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF090129.D 10 =BF090130.D 25 =BF090131.D 40 =BF090132.D 50 =BF090133.D 60 =BF090134.D 80 =BF090135.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.782	0.775	0.610	0.590	0.632	0.606	0.666	13.24	
3)	Pyridine	1.179	1.630	1.389	1.422	1.475	1.566	1.444	10.91	
4)	n-Nitrosodimet...	0.346	0.395	0.509	0.410	0.422	0.466	0.431	12.67	
5) S	2-Fluorophenol	1.221	1.274	1.442	1.197	1.171	1.213	1.072	1.227	9.21
6)	Aniline	1.940	2.000	2.281	1.822	1.666	1.812	1.700	1.889	11.12
7) S	Phenol-d6	1.662	1.636	1.756	1.491	1.367	1.376	1.319	1.515	11.26
8)	2-Chlorophenol	1.573	1.493	1.643	1.355	1.305	1.301	1.212	1.412	11.30
9)	Benzaldehyde	0.702	0.625	0.760	0.630	0.595	0.664	0.646	0.660	8.38
10) C	Phenol	2.132	1.770	1.979	1.807	1.734	1.493	1.624	1.791	11.88
11)	bis(2-Chloroet...	1.521	1.467	1.572	1.375	1.338	1.286	1.219	1.397	9.18
12)	1,3-Dichlorobe...	1.701	1.545	1.742	1.370	1.258	1.330	1.377	1.475	12.86
13) C	1,4-Dichlorobe...	1.803	1.587	1.772	1.384	1.287	1.345	1.363	1.506	14.21
14)	1,2-Dichlorobe...	1.646	1.515	1.554	1.290	1.194	1.243	0.948	1.342	18.20
15)	Benzyl Alcohol	0.928	0.992	1.088	0.891	0.844	0.818	0.764	0.904	12.20
16)	2,2'-oxybis(1-...	2.001	1.735	1.990	1.587	1.448	1.491	1.431	1.669	14.71
17)	2-Methylphenol	1.143	1.098	1.267	1.081	1.058	1.111	1.026	1.112	7.02
18)	Hexachloroethane	0.602	0.527	0.605	0.523	0.484	0.520	0.498	0.537	8.92
19) P	n-Nitroso-di-n...	0.820	1.077	0.864	0.791	0.895	0.894	0.890	11.27	
20)	3+4-Methylphenols	1.309	1.352	1.665	1.304	1.297	1.312	1.107	1.335	12.40
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.546	0.499	0.549	0.461	0.435	0.435	0.452	0.482	10.23
23) S	Nitrobenzene-d5	0.393	0.348	0.409	0.318	0.303	0.338	0.307	0.345	12.03
24)	Nitrobenzene	0.384	0.357	0.384	0.352	0.365	0.316	0.359	0.359	6.40
25)	Isophorone	0.896	0.674	0.807	0.663	0.625	0.687	0.695	0.721	13.24
26) C	2-Nitrophenol	0.162	0.172	0.202	0.168	0.164	0.185	0.186	0.177	8.24
27)	2,4-Dimethylph...	0.346	0.336	0.339	0.291	0.298	0.315	0.276	0.315	8.59
28)	bis(2-Chloroet...	0.504	0.459	0.469	0.412	0.418	0.425	0.365	0.436	10.44
29) C	2,4-Dichloroph...	0.303	0.279	0.327	0.265	0.254	0.247	0.256	0.276	10.60
30)	1,2,4-Trichlor...	0.316	0.284	0.323	0.263	0.252	0.257	0.234	0.276	12.18
31)	Naphthalene	1.064	1.099	0.908	0.881	0.943	0.819	0.952	11.39	
32)	Benzoic acid	0.149	0.252	0.223	0.226	0.223	0.224	0.216	16.11	
33)	4-Chloroaniline	0.420	0.390	0.450	0.384	0.383	0.395	0.343	0.395	8.41
34) C	Hexachlorobuta...	0.177	0.146	0.165	0.134	0.133	0.136	0.127	0.145	12.90
35)	Caprolactam	0.090	0.089	0.103	0.082	0.087	0.091	0.097	0.091	7.36
36) C	4-Chloro-3-met...	0.358	0.317	0.370	0.285	0.267	0.311	0.274	0.312	12.92
37)	2-Methylnaphth...	0.726	0.628	0.719	0.554	0.531	0.513	0.475	0.592	16.91

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF092016.M

38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.544	0.452	0.508	0.438	0.429	0.456	0.386	0.459	11.38
40) P	Hexachlorocycl...		0.162	0.257	0.240	0.236	0.237	0.227	0.227	14.63
41) S	2,4,6-Tribromo...	0.195	0.166	0.206	0.172	0.155	0.145	0.163	0.172	12.57
42) C	2,4,6-Trichlor...	0.312	0.301	0.388	0.341	0.325	0.321	0.303	0.327	9.16
43)	2,4,5-Trichlor...	0.357	0.324	0.390	0.327	0.318	0.338	0.318	0.339	7.79
44) S	2-Fluorobiphenyl		1.238	1.173	0.958	0.915	0.990	0.838	1.019	15.21
45)	1,1'-Biphenyl	1.762	1.438	1.658	1.452	1.351	1.224	1.131	1.431	15.64
46)	2-Chloronaphth...	1.258	1.065	1.197	0.961	0.948	1.043	0.917	1.056	12.31
47)	2-Nitroaniline	0.305	0.280	0.380	0.297	0.293	0.334	0.339	0.318	10.92
48)	Acenaphthylene	2.079	1.751	2.140	1.591	1.412	1.504	1.523	1.714	16.89
49)	Dimethylphthalate	1.475	1.249	1.529	1.168	1.099	1.275	1.122	1.274	13.23
50)	2,6-Dinitrotol...	0.290	0.265	0.326	0.291	0.267	0.253	0.296	0.284	8.64
51) C	Acenaphthene	1.232	1.006	1.191	0.990	0.869	0.911	0.923	1.018	13.86
52)	3-Nitroaniline	0.316	0.299	0.396	0.320	0.318	0.362	0.318	0.333	10.12
53) P	2,4-Dinitrophenol	0.043	0.090	0.157	0.142	0.148	0.164		0.124	38.25
54)	Dibenzofuran	1.605	1.441	1.659	1.228	1.125	1.133	1.182	1.339	16.94
55) P	4-Nitrophenol		0.149	0.257	0.236	0.238	0.225	0.262	0.228	17.93
56)	2,4-Dinitrotol...	0.341	0.340	0.376	0.349	0.332	0.285	0.327	0.336	8.18
57)	Fluorene		1.149	1.297	1.028	0.938	0.828	0.815	1.009	18.70
58)	2,3,4,6-Tetrac...	0.279	0.237	0.303	0.260	0.242	0.232	0.222	0.254	11.36
59)	Diethylphthalate	1.491	1.174	1.418	1.213	1.098	1.061	1.156	1.230	13.19
60)	4-Chlorophenyl...	0.562	0.480	0.554	0.425	0.381	0.359		0.460	18.77
61)	4-Nitroaniline	0.304	0.305	0.382	0.353	0.320	0.357	0.354	0.339	8.76
62)	Azobenzene	1.454	1.243	1.401	1.284	1.241	1.258	1.084	1.281	9.39
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.107	0.149	0.120	0.111	0.143	0.122	0.125	13.66
65) c	n-Nitrosodiphe...	0.799	0.720	0.735	0.614	0.598	0.606	0.532	0.658	14.40
66)	4-Bromophenyl-...	0.231	0.210	0.231	0.183	0.163	0.181	0.179	0.197	13.79
67)	Hexachlorobenzene	0.282	0.253	0.259	0.201	0.187	0.215	0.210	0.229	15.28
68)	Atrazine	0.215	0.179	0.224	0.157	0.146	0.189	0.151	0.180	17.16
69) C	Pentachlorophenol	0.104	0.124	0.155	0.131	0.122	0.138	0.138	0.130	12.17
70)	Phenanthrene		1.037	1.174	0.947	0.854	0.815	0.785	0.935	15.95
71)	Anthracene		1.137	1.185	0.911	0.831	0.929	0.893	0.981	14.67
72)	Carbazole	1.204	1.085	1.228	0.942	0.893	0.972	0.934	1.037	13.13
73)	Di-n-butylphth...	1.430	1.279	1.541	1.144	1.056	1.060	0.930	1.206	18.29
74) C	Fluoranthene	1.189	1.115	1.124	0.936	0.893	0.944	0.828	1.004	13.65
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.535	0.766	0.673	0.652	0.702	0.688	0.669	11.42
77)	Pyrene	1.479	1.349	1.650	1.274	1.200	1.275	1.353	1.369	11.08
78) S	Terphenyl-d14	0.925	0.860	0.885	0.690	0.689	0.759	0.707	0.788	12.70
79)	Butylbenzylphth...	0.651	0.658	0.696	0.643	0.610	0.694	0.735	0.669	6.22
80)	Benzo(a)anthra...	1.116	0.953	1.217	1.075	1.035	1.123	1.014	1.076	7.98
81)	3,3'-Dichlorob...	0.468	0.410	0.509	0.428	0.410	0.461	0.422	0.444	8.32
82)	Chrysene	1.294	1.064	1.054	1.033	1.022	1.040	0.830	1.048	12.89

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
Method File : 8270-BF092016.M

83)	Bis(2-ethylhex...	0.920	0.794	0.940	0.868	0.825	0.900	0.751	0.857	8.12
84) c	Di-n-octyl pht...	1.453	1.300	1.683	1.559	1.458	1.581	1.296	1.476	9.79
85)	Indeno(1,2,3-c...	0.901	0.747	0.911	0.880	0.780	0.888	0.824	0.847	7.58
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.074	0.981	1.482	1.114	1.043	1.055	1.003	1.107	15.44
88)	Benzo(k)fluora...		1.215	1.121	0.944	0.909	0.950	1.099	1.039	11.80
89) C	Benzo(a)pyrene	1.207	1.001	1.190	0.998	0.961	0.993	0.942	1.042	10.51
90)	Dibenzo(a,h)an...	0.875	0.751	0.894	0.782	0.738	0.804	0.847	0.813	7.48
91)	Benzo(g,h,i)pe...	0.845	0.701	0.845	0.754	0.716	0.828	0.881	0.796	8.91

(#) = Out of Range