

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF032017.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Mar 21 14:38:20 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF093758.D 10 =BF093759.D 25 =BF093760.D 40 =BF093792.D 50 =BF093762.D 60 =BF093763.D 80 =BF093764.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.563	0.586	0.581	0.594	0.579	0.574	0.579	0.580	1.70
3)	Pyridine	1.567	1.379	1.511	1.586	1.632	1.583	1.609	1.553	5.49
4)	n-Nitrosodimet...	0.594	0.670	0.655	0.696	0.692	0.689	0.691	0.670	5.47
5) S	2-Fluorophenol	1.224	1.215	1.243	1.138	1.041	1.046	1.099	1.144	7.46
6)	Aniline	1.975	2.127	2.112	2.013	1.981	1.858	1.766	1.976	6.55
7) S	Phenol-d6	1.517	1.601	1.409	1.429	1.347	1.356	1.234	1.413	8.47
8)	2-Chlorophenol	1.238	1.351	1.385	1.266	1.214	1.230	1.121	1.258	7.02
9)	Benzaldehyde	1.016	1.033	1.068	1.041	0.979	0.944	0.912	0.999	5.64
10) C	Phenol	1.635	1.911	1.520	1.775	1.437	1.545	1.296	1.589	13.01
11)	bis(2-Chloroet...	1.447	1.381	1.349	1.280	1.178	1.227	1.167	1.290	8.27
12)	1,3-Dichlorobe...	1.477	1.571	1.550	1.464	1.342	1.300	1.284	1.427	8.28
13) C	1,4-Dichlorobe...	1.508	1.537	1.499	1.537	1.475	1.423	1.210	1.456	7.91
14)	1,2-Dichlorobe...	1.508	1.563	1.459	1.257	1.213	1.206	1.140	1.335	12.71
15)	Benzyl Alcohol	0.962	1.195	1.060	1.115	1.092	0.998	0.909	1.047	9.36
16)	2,2'-oxybis(1-...	2.135	2.215	2.051	2.019	2.028	1.968	1.940	2.051	4.66
17)	2-Methylphenol	1.046	1.212	1.081	1.156	1.112	1.053	1.067	1.104	5.52
18)	Hexachloroethane	0.483	0.544	0.524	0.530	0.528	0.512	0.491	0.516	4.32
19) P	n-Nitroso-di-n...	0.907	1.051	0.877	0.892	0.949	0.925	0.880	0.926	6.58
20)	3+4-Methylphenols	1.488	1.463	1.410	1.194	1.277	1.230	1.089	1.307	11.46
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.528	0.491	0.462	0.392	0.401	0.400	0.357	0.433	14.24
23) S	Nitrobenzene-d5	0.351	0.406	0.348	0.368	0.335	0.321	0.338	0.353	7.88
24)	Nitrobenzene	0.367	0.378	0.376	0.315	0.309	0.339	0.275	0.337	11.63
25)	Isophorone	0.631	0.666	0.635	0.618	0.606	0.609	0.607	0.625	3.49
26) C	2-Nitrophenol	0.112	0.141	0.161	0.177	0.159	0.160	0.156	0.152	13.44
27)	2,4-Dimethylph...	0.355	0.361	0.302	0.309	0.301	0.293	0.272	0.313	10.48
28)	bis(2-Chloroet...	0.429	0.439	0.449	0.384	0.355	0.366	0.390	0.402	9.24
29) C	2,4-Dichloroph...	0.274	0.285	0.285	0.270	0.244	0.247	0.262	0.267	6.26
30)	1,2,4-Trichlor...	0.309	0.305	0.290	0.280	0.263	0.261	0.230	0.277	9.99
31)	Naphthalene		1.119	0.956	0.955	0.904	0.898	0.738	0.928	13.24
32)	Benzoic acid		0.163	0.185	0.200	0.197	0.211	0.214	0.195	9.64
33)	4-Chloroaniline	0.463	0.481	0.379	0.386	0.388	0.388	0.308	0.399	14.43
34) C	Hexachlorobuta...	0.156	0.164	0.152	0.146	0.138	0.139	0.125	0.146	9.05
35)	Caprolactam	0.077	0.091	0.087	0.082	0.080	0.092	0.077	0.084	7.52
36) C	4-Chloro-3-met...	0.264	0.332	0.273	0.298	0.257	0.241	0.270	0.276	10.82
37)	2-Methylnaphth...		0.753	0.683	0.606	0.539	0.527	0.528	0.606	15.55

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.614	0.591	0.536	0.568	0.520	0.488	0.390	0.530	14.16
40) P	Hexachlorocycl...	0.250	0.303	0.289	0.262	0.257	0.245	0.266	0.267	7.93
41) S	2,4,6-Tribromo...	0.161	0.182	0.150	0.163	0.159	0.146	0.124	0.155	11.57
42) C	2,4,6-Trichlor...	0.352	0.417	0.394	0.397	0.383	0.365	0.382	0.385	5.60
43)	2,4,5-Trichlor...	0.389	0.470	0.421	0.378	0.392	0.386	0.357	0.399	9.16
44) S	2-Fluorobiphenyl	1.560	1.367	1.099	1.068	1.017	1.025	1.189		18.75
45)	1,1'-Biphenyl	1.952	1.821	1.538	1.608	1.458	1.376	1.625		13.56
46)	2-Chloronaphth...	1.495	1.430	1.186	1.264	1.212	1.151	0.986	1.246	13.80
47)	2-Nitroaniline	0.276	0.384	0.356	0.335	0.379	0.376	0.330	0.348	11.01
48)	Acenaphthylene	2.407	2.311	2.111	2.085	1.822	1.716	1.746	2.028	13.55
49)	Dimethylphthalate	1.668	1.577	1.490	1.333	1.356	1.389	1.150	1.423	12.05
50)	2,6-Dinitrotol...	0.276	0.335	0.310	0.346	0.292	0.291	0.336	0.312	8.71
51) C	Acenaphthene	1.424	1.336	1.306	1.211	1.069	1.020	1.114	1.211	12.45
52)	3-Nitroaniline	0.365	0.371	0.415	0.350	0.406	0.388	0.331	0.375	8.02
53) P	2,4-Dinitrophenol		0.077	0.120	0.135	0.124	0.136	0.143	0.123	19.38
54)	Dibenzofuran	1.965	1.816	1.683	1.692	1.498	1.398	1.360	1.630	13.66
55) P	4-Nitrophenol		0.269	0.277	0.337	0.274	0.252	0.282	0.282	10.37
56)	2,4-Dinitrotol...	0.312	0.441	0.376	0.466	0.382	0.367	0.433	0.397	13.32
57)	Fluorene		1.520	1.246	1.284	1.156	1.037		1.248	14.34
58)	2,3,4,6-Tetrac...	0.269	0.292	0.298	0.292	0.259	0.250	0.258	0.274	7.22
59)	Diethylphthalate	1.586	1.518	1.413	1.371	1.322	1.304	1.197	1.387	9.53
60)	4-Chlorophenyl...		0.695	0.568	0.513	0.472	0.451	0.458	0.526	17.74
61)	4-Nitroaniline	0.302	0.345	0.349	0.375	0.298	0.341	0.340	0.336	8.11
62)	Azobenzene	1.435	1.420	1.497	1.414	1.297	1.237	1.304	1.372	6.79
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.076	0.115	0.112	0.133	0.126	0.133	0.116	18.45
65) c	n-Nitrosodiphe...	0.670	0.773	0.676	0.667	0.681	0.656	0.543	0.667	10.06
66)	4-Bromophenyl-...	0.192	0.202	0.211	0.209	0.186	0.181	0.167	0.193	8.26
67)	Hexachlorobenzene	0.212	0.213	0.203	0.212	0.197	0.186	0.167	0.199	8.62
68)	Atrazine	0.180	0.228	0.200	0.231	0.214	0.188	0.193	0.205	9.65
69) C	Pentachlorophenol	0.082	0.115	0.130	0.129	0.119	0.117	0.121	0.116	13.90
70)	Phenanthrene	1.223	1.237	1.089	0.988	0.977	1.026	0.916	1.065	11.66
71)	Anthracene	1.300	1.245	1.156	1.138	1.016	0.931	0.890	1.097	14.18
72)	Carbazole	1.212	1.202	1.246	1.075	0.937	0.918	1.010	1.086	12.54
73)	Di-n-butylphth...	1.180	1.315	1.330	1.232	1.105	1.037	0.981	1.169	11.50
74) C	Fluoranthene	1.252	1.235	1.128	1.169	1.049	1.011	0.820	1.095	13.73
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.671	0.879	0.940	0.878	0.879	0.870	1.026	0.877	12.19
77)	Pyrene	1.630	1.673	1.438	1.657	1.784	1.792	1.676	1.664	7.07
78) S	Terphenyl-d14	1.158	1.041	0.900	0.966	0.930	0.893	0.979	0.981	9.49
79)	Butylbenzylphth...		0.677	0.664	0.679	0.752	0.783	0.908	0.744	12.53
80)	Benzo(a)anthra...	1.235	1.261	1.204	1.250	1.274	1.249	1.297	1.253	2.37
81)	3,3'-Dichlorob...	0.377	0.459	0.488	0.474	0.473	0.468	0.566	0.472	11.71
82)	Chrysene	1.230	1.272	1.197	1.095	1.350	1.340	1.276	1.252	7.03

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83)	Bis(2-ethylhex...	0.786	0.885	0.889	0.908	0.943	0.960	0.901	0.896	6.26
84) c	Di-n-octyl pht...	1.257	1.514	1.633	1.680	1.793	1.783	1.785	1.635	11.95
85)	Indeno(1,2,3-c...	0.812	1.050	1.020	1.008	1.060	1.024	1.200	1.025	11.14
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.220	1.600	1.256	1.163	1.467	1.483	1.250	1.348	12.28
88)	Benzo(k)fluora...	1.273	0.930	1.071	1.217	0.788	0.808	0.882	0.996	19.54
89) C	Benzo(a)pyrene	1.103	1.187	1.137	1.089	1.044	1.040	1.052	1.093	4.98
90)	Dibenzo(a,h)an...	0.824	1.019	0.950	0.923	0.869	0.888	0.880	0.908	6.99
91)	Benzo(g,h,i)pe...	0.845	0.989	0.908	0.912	0.860	0.884	0.911	0.901	5.20

(#) = Out of Range