

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF081517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Aug 15 13:25:08 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF097678.D 10 =BF097679.D 25 =BF097680.D 40 =BF097681.D 50 =BF097682.D 60 =BF097683.D 80 =BF097684.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.747	0.753	0.719	0.726	0.734	0.735	0.719	0.733	1.78
3)	Pyridine	1.937	2.069	2.016	2.026	2.045	2.052	2.046	2.027	2.15
4)	n-Nitrosodimet...	0.707	0.766	0.778	0.808	0.805	0.810	0.786	0.780	4.64
5) S	2-Fluorophenol	1.369	1.426	1.337	1.305	1.296	1.260	1.210	1.315	5.40
6)	Aniline	2.612	2.656	2.529	2.493	2.496	2.438	2.346	2.510	4.13
7) S	Phenol-d6	1.922	1.926	1.816	1.775	1.753	1.697	1.616	1.787	6.35
8)	2-Chlorophenol	1.440	1.470	1.433	1.404	1.377	1.320	1.263	1.387	5.27
9)	Benzaldehyde		1.373	1.252	1.150	1.081	1.007	0.927	1.132	14.40
10) C	Phenol	2.128	2.146	2.029	2.168	2.135	2.046	1.974	2.089	3.49
11)	bis(2-Chloroet...	1.667	1.687	1.618	1.570	1.559	1.504	1.434	1.577	5.66
12)	1,3-Dichlorobe...	1.603	1.606	1.525	1.480	1.461	1.410	1.356	1.492	6.28
13) C	1,4-Dichlorobe...	1.673	1.646	1.546	1.505	1.473	1.418	1.358	1.517	7.56
14)	1,2-Dichlorobe...	1.527	1.564	1.460	1.391	1.355	1.287	1.208	1.399	9.14
15)	Benzyl Alcohol	1.408	1.451	1.400	1.360	1.331	1.245	1.168	1.338	7.45
16)	2,2'-oxybis(1-...	2.264	2.264	2.179	2.128	2.101	1.984	1.932	2.122	6.06
17)	2-Methylphenol	1.245	1.274	1.250	1.229	1.214	1.189	1.154	1.222	3.31
18)	Hexachloroethane	0.598	0.631	0.609	0.605	0.595	0.570	0.555	0.595	4.24
19) P	n-Nitroso-di-n...	1.259	1.303	1.241	1.228	1.221	1.169	1.140	1.223	4.46
20)	3+4-Methylphenols	1.608	1.682	1.569	1.492	1.454	1.369	1.273	1.493	9.49
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.618	0.586	0.542	0.514	0.505	0.476	0.457	0.528	10.99
23) S	Nitrobenzene-d5		0.321	0.364	0.380	0.385	0.380	0.378	0.368	6.52
24)	Nitrobenzene	0.311	0.409	0.433	0.438	0.439	0.421	0.418	0.410	11.02
25)	Isophorone	0.773	0.797	0.777	0.766	0.774	0.735	0.738	0.766	2.91
26) C	2-Nitrophenol		0.095	0.124	0.143	0.151	0.152	0.156	0.137	17.19
27)	2,4-Dimethylph...	0.334	0.339	0.325	0.315	0.318	0.302	0.302	0.319	4.49
28)	bis(2-Chloroet...	0.520	0.540	0.516	0.504	0.502	0.470	0.472	0.503	5.08
29) C	2,4-Dichloroph...	0.254	0.274	0.268	0.270	0.272	0.260	0.257	0.265	2.95
30)	1,2,4-Trichlor...	0.320	0.314	0.298	0.291	0.288	0.277	0.269	0.294	6.29
31)	Naphthalene	1.161	1.122	1.073	1.025	1.003	0.958	0.925	1.038	8.26
32)	Benzoic acid		0.150	0.180	0.210	0.243	0.242	0.248	0.212	18.84
33)	4-Chloroaniline	0.482	0.467	0.450	0.432	0.427	0.405	0.402	0.438	6.89
34) C	Hexachlorobuta...	0.183	0.183	0.179	0.170	0.170	0.158	0.157	0.172	6.49
35)	Caprolactam	0.076	0.089	0.094	0.093	0.096	0.092	0.090	0.090	7.29
36) C	4-Chloro-3-met...	0.334	0.359	0.351	0.348	0.346	0.326	0.320	0.341	4.18
37)	2-Methylnaphth...	0.702	0.702	0.666	0.633	0.618	0.577	0.557	0.637	8.98

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.666	0.694	0.633	0.602	0.588	0.564	0.550	0.614	8.64
40) P	Hexachlorocycl...	0.238	0.293	0.300	0.311	0.311	0.303	0.308	0.295	8.76
41) S	2,4,6-Tribromo...	0.140	0.176	0.186	0.179	0.185	0.176	0.172	0.174	8.89
42) C	2,4,6-Trichlor...	0.380	0.422	0.424	0.419	0.424	0.413	0.403	0.412	3.93
43)	2,4,5-Trichlor...	0.361	0.429	0.430	0.420	0.420	0.407	0.396	0.409	5.93
44) S	2-Fluorobiphenyl	1.666	1.579	1.408	1.304	1.241	1.183	1.148	1.361	14.63
45)	1,1'-Biphenyl	2.063	2.051	1.903	1.793	1.713	1.646	1.598	1.824	10.29
46)	2-Chloronaphth...	1.516	1.477	1.387	1.312	1.291	1.238	1.211	1.348	8.65
47)	2-Nitroaniline		0.342	0.436	0.473	0.495	0.483	0.482	0.452	12.67
48)	Acenaphthylene	2.273	2.306	2.179	2.103	2.061	1.973	1.917	2.116	6.90
49)	Dimethylphthalate	1.530	1.568	1.507	1.449	1.448	1.369	1.362	1.462	5.35
50)	2,6-Dinitrotol...		0.247	0.290	0.301	0.309	0.305	0.299	0.292	7.78
51) C	Acenaphthene	1.462	1.437	1.379	1.313	1.301	1.243	1.206	1.335	7.17
52)	3-Nitroaniline		0.335	0.378	0.383	0.399	0.379	0.385	0.376	5.79
53) P	2,4-Dinitrophenol		0.046	0.084	0.108	0.126	0.131	0.143	0.106	33.89
54)	Dibenzofuran	2.000	1.955	1.849	1.752	1.741	1.632	1.591	1.789	8.63
55) P	4-Nitrophenol		0.256	0.295	0.312	0.315	0.315	0.309	0.300	7.59
56)	2,4-Dinitrotol...		0.277	0.369	0.386	0.397	0.390	0.379	0.366	12.18
57)	Fluorene	1.645	1.599	1.458	1.334	1.286	1.203	1.156	1.383	13.75
58)	2,3,4,6-Tetrac...	0.281	0.334	0.331	0.321	0.328	0.314	0.307	0.317	5.76
59)	Diethylphthalate	1.611	1.635	1.622	1.531	1.506	1.416	1.381	1.529	6.64
60)	4-Chlorophenyl...	0.756	0.737	0.675	0.629	0.606	0.558	0.536	0.642	13.16
61)	4-Nitroaniline		0.312	0.355	0.368	0.378	0.369	0.364	0.358	6.68
62)	Azobenzene	1.949	1.994	1.903	1.808	1.780	1.661	1.616	1.816	7.85
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.044	0.071	0.084	0.094	0.099	0.104	0.083	27.08
65) c	n-Nitrosodiphe...	0.735	0.736	0.701	0.669	0.655	0.638	0.633	0.681	6.34
66)	4-Bromophenyl-...	0.212	0.223	0.215	0.207	0.207	0.195	0.195	0.208	4.89
67)	Hexachlorobenzene	0.219	0.223	0.219	0.209	0.208	0.202	0.201	0.212	4.14
68)	Atrazine	0.188	0.190	0.190	0.179	0.180	0.169	0.168	0.181	5.17
69) C	Pentachlorophenol	0.085	0.118	0.131	0.130	0.137	0.132	0.131	0.123	14.40
70)	Phenanthrene	1.226	1.177	1.098	1.038	1.009	0.968	0.944	1.066	9.94
71)	Anthracene	1.180	1.194	1.137	1.053	1.033	1.001	0.968	1.081	8.27
72)	Carbazole	1.130	1.122	1.078	0.996	0.992	0.959	0.905	1.026	8.33
73)	Di-n-butylphth...	1.142	1.263	1.296	1.192	1.190	1.117	1.072	1.182	6.70
74) C	Fluoranthene	1.223	1.202	1.192	1.090	1.077	1.038	0.964	1.112	8.67
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.629	0.675	0.654	0.622	0.703	0.687	0.619	0.656	5.09
77)	Pyrene	1.558	1.728	1.612	1.644	1.630	1.571	1.707	1.636	3.91
78) S	Terphenyl-d14	0.995	1.056	0.945	0.948	0.947	0.896	0.926	0.959	5.44
79)	Butylbenzylphth...		0.512	0.615	0.650	0.681	0.645	0.660	0.627	9.64
80)	Benzo(a)anthra...	1.214	1.246	1.233	1.193	1.201	1.143	1.161	1.199	3.08
81)	3,3'-Dichlorob...	0.347	0.401	0.440	0.426	0.433	0.405	0.379	0.404	8.16
82)	Chrysene	1.224	1.235	1.197	1.179	1.210	1.142	1.160	1.192	2.84

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83)	Bis(2-ethylhex...	0.532	0.654	0.763	0.755	0.767	0.699	0.694	0.695	11.99
84) c	Di-n-octyl pht...		0.887	1.248	1.285	1.367	1.230	1.238	1.209	13.70
85)	Indeno(1,2,3-c...		0.723	0.811	0.857	0.893	0.891	1.089	0.877	13.86
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.142	1.289	1.351	1.277	1.206	1.323	1.236	1.261	5.67
88)	Benzo(k)fluora...	1.259	1.246	1.196	1.215	1.222	1.102	1.051	1.184	6.59
89) C	Benzo(a)pyrene	1.035	1.110	1.171	1.145	1.127	1.124	1.101	1.116	3.81
90)	Dibenzo(a,h)an...	0.746	0.861	0.886	0.937	0.919	0.957	1.055	0.909	10.42
91)	Benzo(g,h,i)pe...	0.773	0.898	0.905	0.970	0.954	1.009	1.127	0.948	11.49

(#) = Out of Range