

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF020116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Feb 01 14:55:11 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF084701.D 10 =BF084702.D 25 =BF084703.D 40 =BF084704.D 50 =BF084705.D 60 =BF084706.D 80 =BF084707.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.646	0.589	0.556	0.548	0.528	0.544	0.527	0.562	7.55
3)	Pyridine	1.310	1.318	1.621	1.383	1.542	1.511	1.574	1.465	8.66
4)	n-Nitrosodimet...	0.811	0.741	0.758	0.766	0.720	0.744	0.766	0.758	3.76
5) S	2-Fluorophenol	1.515	1.429	1.312	1.202	1.135	1.162	1.234	1.284	11.07
6)	Aniline	2.044	2.149	2.040	1.909	1.837	1.844	1.812	1.948	6.67
7) S	Phenol-d6	1.912	1.664	1.692	1.479	1.514	1.507	1.376	1.592	11.19
8)	2-Chlorophenol	1.540	1.635	1.522	1.466	1.355	1.296	1.360	1.453	8.36
9)	Benzaldehyde	1.068	1.052	0.986	0.956	0.886	0.873	0.759	0.940	11.60
10) C	Phenol	1.997	1.943	1.967	1.552	1.745	1.845	1.434	1.783	12.24
11)	bis(2-Chloroet...	1.532	1.439	1.469	1.274	1.270	1.397	1.353	1.391	7.06
12)	1,3-Dichlorobe...	1.818	1.631	1.557	1.444	1.374	1.439	1.485	1.536	9.80
13) C	1,4-Dichlorobe...	1.775	1.746	1.612	1.453	1.344	1.399	1.417	1.535	11.40
14)	1,2-Dichlorobe...	1.640	1.522	1.415	1.460	1.412	1.360	1.199	1.430	9.56
15)	Benzyl Alcohol	1.254	1.204	1.187	1.061	0.947	1.021	1.019	1.099	10.48
16)	2,2'-oxybis(1-...	2.849	2.590	2.387	2.198	2.091	2.148	2.112	2.339	12.27
17)	2-Methylphenol	1.306	1.242	1.112	1.201	1.109	1.030	1.046	1.149	8.97
18)	Hexachloroethane	0.598	0.611	0.592	0.595	0.583	0.584	0.575	0.591	2.01
19) P	n-Nitroso-di-n...	1.140	1.110	0.996	0.927	0.922	0.964	0.926	0.998	9.13
20)	3+4-Methylphenols	1.607	1.627	1.492	1.392	1.366	1.380	1.122	1.427	12.03
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.548	0.606	0.553	0.515	0.526	0.500	0.441	0.527	9.69
23) S	Nitrobenzene-d5	0.393	0.390	0.358	0.359	0.326	0.325	0.335	0.355	7.96
24)	Nitrobenzene	0.382	0.419	0.412	0.342	0.400	0.402	0.303	0.380	11.16
25)	Isophorone	0.740	0.764	0.680	0.696	0.668	0.652	0.632	0.690	6.83
26) C	2-Nitrophenol	0.178	0.207	0.210	0.185	0.175	0.172	0.185	0.188	8.17
27)	2,4-Dimethylph...	0.367	0.352	0.321	0.304	0.332	0.327	0.279	0.326	8.91
28)	bis(2-Chloroet...	0.455	0.439	0.397	0.394	0.410	0.414	0.358	0.410	7.72
29) C	2,4-Dichloroph...	0.287	0.293	0.286	0.289	0.287	0.277	0.235	0.279	7.24
30)	1,2,4-Trichlor...	0.353	0.334	0.318	0.307	0.309	0.301	0.285	0.315	7.07
31)	Naphthalene	1.165	1.117	1.020	0.938	0.934	0.941	0.909	1.003	10.06
32)	Benzoic acid		0.187	0.202	0.209	0.213	0.211	0.229	0.209	6.57
33)	4-Chloroaniline	0.458	0.474	0.444	0.378	0.376	0.386	0.389	0.415	10.14
34) C	Hexachlorobuta...	0.188	0.207	0.197	0.184	0.176	0.167	0.153	0.182	10.06
35)	Caprolactam	0.085	0.086	0.089	0.098	0.081	0.085	0.079	0.086	7.11
36) C	4-Chloro-3-met...	0.315	0.350	0.356	0.296	0.315	0.333	0.263	0.318	10.12
37)	2-Methylnaphth...	0.645	0.688	0.694	0.656	0.623	0.593	0.496	0.628	10.83

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.785	0.676	0.624	0.576	0.589	0.598	0.598	0.635	11.62
40) P	Hexachlorocycl...		0.146	0.200	0.224	0.240	0.244	0.282	0.223	20.80
41) S	2,4,6-Tribromo...	0.226	0.229	0.217	0.218	0.200	0.184	0.186	0.209	8.94
42) C	2,4,6-Trichlor...	0.435	0.421	0.409	0.414	0.414	0.399	0.372	0.409	4.86
43)	2,4,5-Trichlor...	0.469	0.464	0.427	0.398	0.379	0.393	0.381	0.416	9.13
44) S	2-Fluorobiphenyl	1.630	1.535	1.452	1.170	1.093	1.044		1.321	18.84
45)	1,1'-Biphenyl	2.208	1.944	1.767	1.787	1.781	1.625	1.393	1.786	14.17
46)	2-Chloronaphth...	1.610	1.442	1.270	1.275	1.283	1.226	1.103	1.316	12.43
47)	2-Nitroaniline	0.418	0.473	0.424	0.366	0.398	0.428	0.410	0.417	7.79
48)	Acenaphthylene	2.456	2.191	2.039	1.989	1.925	1.817	1.557	1.996	14.18
49)	Dimethylphthalate	1.626	1.794	1.476	1.533	1.473	1.309	1.451	1.523	10.02
50)	2,6-Dinitrotol...	0.372	0.345	0.330	0.349	0.307	0.281	0.346	0.333	9.13
51) C	Acenaphthene	1.597	1.404	1.321	1.282	1.234	1.149	1.104	1.299	12.78
52)	3-Nitroaniline	0.370	0.412	0.380	0.359	0.403	0.369	0.324	0.374	7.76
53) P	2,4-Dinitrophenol		0.084	0.122	0.141	0.150	0.143	0.156	0.133	19.98
54)	Dibenzofuran	1.927	1.725	1.586	1.587	1.571	1.469	1.247	1.587	13.24
55) P	4-Nitrophenol	0.250	0.300	0.265	0.301	0.275	0.239	0.295	0.275	9.10
56)	2,4-Dinitrotol...	0.486	0.458	0.448	0.428	0.375	0.356	0.420	0.424	10.80
57)	Fluorene		1.562	1.360	1.346	1.349	1.267	1.069	1.326	12.03
58)	2,3,4,6-Tetrac...	0.343	0.342	0.317	0.281	0.314	0.306	0.314	0.317	6.77
59)	Diethylphthalate	1.650	1.726	1.518	1.432	1.466	1.399	1.221	1.487	11.22
60)	4-Chlorophenyl...		0.779	0.677	0.577	0.544	0.528		0.621	17.01
61)	4-Nitroaniline	0.374	0.410	0.354	0.352	0.338	0.375	0.347	0.364	6.67
62)	Azobenzene	1.559	1.636	1.553	1.401	1.290	1.251	1.324	1.430	10.61
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.094	0.119	0.131	0.135	0.123	0.139	0.123	13.07
65) c	n-Nitrosodiphe...	0.724	0.643	0.655	0.686	0.615	0.567	0.557	0.635	9.56
66)	4-Bromophenyl-...	0.220	0.230	0.238	0.237	0.219	0.213	0.189	0.221	7.64
67)	Hexachlorobenzene	0.244	0.267	0.243	0.230	0.234	0.235	0.232	0.241	5.29
68)	Atrazine	0.193	0.220	0.214	0.189	0.202	0.217	0.169	0.201	9.11
69) C	Pentachlorophenol		0.085	0.105	0.118	0.122	0.126	0.123	0.113	13.74
70)	Phenanthrene	1.239	1.251	1.133	1.038	1.022	1.058	1.024	1.109	9.04
71)	Anthracene	1.204	1.184	1.206	1.196	1.104	1.014	0.915	1.118	10.18
72)	Carbazole	1.036	1.024	1.028	1.054	0.997	0.904	0.779	0.975	10.18
73)	Di-n-butylphth...	1.400	1.358	1.282	1.193	1.155	1.146	1.153	1.241	8.51
74) C	Fluoranthene	1.186	1.214	1.252	1.173	1.092	1.038	0.904	1.123	10.78
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.376	0.638	0.714	0.696	0.622	0.534	0.597	21.02
77)	Pyrene	1.558	1.526	1.603	1.598	1.679	1.505	1.250	1.531	8.92
78) S	Terphenyl-d14	0.928	0.973	1.000	0.844	0.860	0.773	0.801	0.883	9.77
79)	Butylbenzylphth...	0.608	0.684	0.743	0.740	0.760	0.708	0.619	0.695	8.75
80)	Benzo(a)anthra...	1.302	1.347	1.317	1.242	1.262	1.195	1.025	1.241	8.71
81)	3,3'-Dichlorob...	0.362	0.428	0.498	0.485	0.487	0.440	0.376	0.440	12.40
82)	Chrysene	1.198	1.248	1.338	1.240	1.282	1.139	0.980	1.204	9.69

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83)	Bis(2-ethylhex...	0.830	0.916	0.932	0.887	0.914	0.828	0.743	0.864	7.82
84) c	Di-n-octyl pht...	1.301	1.415	1.553	1.468	1.480	1.444	1.322	1.426	6.25
85)	Indeno(1,2,3-c...	0.820	0.940	1.003	0.930	1.016	0.996	0.927	0.947	7.10
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.288	1.618	1.466	1.357	1.348	1.206	1.123	1.344	12.19
88)	Benzo(k)fluora...	1.319	0.987	1.106	1.080	1.046	1.069	1.170	1.111	9.65
89) C	Benzo(a)pyrene	1.183	1.207	1.158	1.156	1.142	1.113	1.055	1.145	4.32
90)	Dibenzo(a,h)an...	0.931	0.970	0.957	0.949	1.001	0.959	0.980	0.964	2.32
91)	Benzo(g,h,i)pe...	0.906	0.930	0.953	0.957	1.017	0.997	1.037	0.971	4.87

(#) = Out of Range