

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF042815.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Apr 29 11:41:09 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF078789.D 10 =BF078788.D 25 =BF078787.D 40 =BF078786.D 50 =BF078785.D 60 =BF078784.D 80 =BF078783.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.432	0.516	0.524	0.500	0.488	0.488	0.548	0.500	7.34
3)	Pyridine	1.471	1.441	1.385	1.491	1.583	1.482	1.475		4.42
4)	n-Nitrosodimet...	0.573	0.754	0.652	0.615	0.644	0.655	0.745	0.663	9.92
5) S	2-Fluorophenol	0.894	1.180	1.105	1.068	1.079	1.099	1.198	1.089	9.12
6)	Aniline	1.845	2.262	2.133	2.112	2.107	2.140	2.271	2.124	6.63
7) S	Phenol-d6	1.248	1.559	1.472	1.463	1.482	1.447	1.509	1.454	6.74
8)	2-Chlorophenol	1.055	1.347	1.303	1.242	1.226	1.262	1.327	1.252	7.78
9)	Benzaldehyde	0.919	1.132	1.045	1.038	1.042	1.052	1.119	1.050	6.59
10) C	Phenol	1.490	1.844	1.800	1.785	1.701	1.622	1.791	1.719	7.28
11)	bis(2-Chloroet...	1.191	1.447	1.325	1.231	1.205	1.196	1.305	1.271	7.39
12)	1,3-Dichlorobe...	1.440	1.653	1.456	1.393	1.344	1.393	1.493	1.453	6.92
13) C	1,4-Dichlorobe...	1.401	1.638	1.508	1.416	1.409	1.466	1.578	1.488	6.17
14)	1,2-Dichlorobe...	1.295	1.511	1.385	1.365	1.332	1.383	1.461	1.390	5.32
15)	Benzyl Alcohol	0.957	1.163	1.144	1.117	1.056	1.050	1.098	1.084	6.43
16)	2,2'-oxybis(1-...	1.914	2.196	2.026	1.977	1.890	1.902	2.008	1.987	5.34
17)	2-Methylphenol	0.866	1.062	1.046	1.032	1.008	1.020	1.058	1.013	6.69
18)	Hexachloroethane	0.419	0.543	0.499	0.486	0.477	0.490	0.527	0.491	8.02
19) P	n-Nitroso-di-n...	0.907	1.085	1.027	1.009	0.992	1.042	1.042	1.015	5.51
20)	3+4-Methylphenols	1.060	1.402	1.384	1.359	1.325	1.329	1.382	1.320	8.95
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.402	0.484	0.459	0.458	0.427	0.431	0.441	0.443	6.02
23) S	Nitrobenzene-d5	0.188	0.285	0.303	0.285	0.287	0.283	0.313	0.278	14.84
24)	Nitrobenzene	0.203	0.320	0.318	0.306	0.309	0.294	0.331	0.297	14.49
25)	Isophorone	0.539	0.683	0.656	0.624	0.616	0.608	0.670	0.628	7.69
26) C	2-Nitrophenol	0.056	0.070	0.081	0.083	0.086	0.086	0.094	0.079	17.07
27)	2,4-Dimethylph...	0.260	0.296	0.289	0.278	0.272	0.266	0.288	0.279	4.76
28)	bis(2-Chloroet...	0.358	0.421	0.385	0.374	0.376	0.379	0.421	0.388	6.19
29) C	2,4-Dichloroph...	0.163	0.248	0.252	0.251	0.250	0.243	0.259	0.238	13.98
30)	1,2,4-Trichlor...	0.271	0.296	0.266	0.262	0.270	0.265	0.283	0.273	4.42
31)	Naphthalene	0.973	1.083	0.969	0.908	0.900	0.882	0.930	0.949	7.20
32)	Benzoic acid	0.069	0.073	0.085	0.091	0.089	0.089	0.099	0.085	13.35
33)	4-Chloroaniline	0.365	0.458	0.409	0.394	0.391	0.383	0.397	0.399	7.28
34) C	Hexachlorobuta...	0.143	0.170	0.151	0.150	0.153	0.151	0.162	0.154	5.92
35)	Caprolactam	0.069	0.076	0.076	0.079	0.075	0.080	0.076		5.24
36) C	4-Chloro-3-met...	0.173	0.259	0.267	0.265	0.258	0.250	0.279	0.250	14.11
37)	2-Methylnaphth...	0.621	0.699	0.643	0.624	0.624	0.603	0.656	0.639	4.94

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.551	0.623	0.571	0.550	0.547	0.537	0.588	0.567	5.34
40) P	Hexachlorocycl...	0.178	0.235	0.240	0.245	0.249	0.248	0.273	0.238	12.22
41) S	2,4,6-Tribromo...	0.089	0.165	0.187	0.190	0.189	0.187	0.210	0.174	22.73
42) C	2,4,6-Trichlor...		0.294	0.325	0.334	0.355	0.358	0.406	0.345	10.87
43)	2,4,5-Trichlor...		0.336	0.373	0.362	0.376	0.370	0.388	0.367	4.81
44) S	2-Fluorobiphenyl	1.433	1.611	1.478	1.439	1.427	1.409	1.426	1.460	4.76
45)	1,1'-Biphenyl	1.618	1.804	1.618	1.560	1.535	1.478	1.623	1.605	6.42
46)	2-Chloronaphth...	1.194	1.423	1.285	1.217	1.207	1.183	1.271	1.254	6.68
47)	2-Nitroaniline		0.208	0.264	0.289	0.299	0.291	0.293	0.274	12.53
48)	Acenaphthylene	1.753	2.279	2.149	2.057	2.045	1.961	2.125	2.053	8.05
49)	Dimethylphthalate	1.225	1.481	1.503	1.470	1.429	1.391	1.454	1.422	6.63
50)	2,6-Dinitrotol...		0.171	0.231	0.241	0.243	0.236	0.267	0.232	13.81
51) C	Acenaphthene	1.142	1.291	1.236	1.199	1.193	1.157	1.220	1.205	4.17
52)	3-Nitroaniline		0.243	0.280	0.314	0.322	0.325	0.319	0.301	10.90
53) P	2,4-Dinitrophenol		0.021	0.032	0.033	0.035	0.035	0.036	0.032#	17.23
54)	Dibenzofuran	1.652	1.946	1.832	1.753	1.729	1.694	1.774	1.768	5.49
55) P	4-Nitrophenol		0.139	0.185	0.204	0.226	0.240	0.243	0.206	19.23
56)	2,4-Dinitrotol...		0.171	0.246	0.275	0.278	0.291	0.342	0.267	21.26
57)	Fluorene	1.258	1.531	1.477	1.422	1.385	1.349	1.474	1.414	6.51
58)	2,3,4,6-Tetrac...		0.248	0.260	0.274	0.277	0.280	0.312	0.275	7.86
59)	Diethylphthalate	1.189	1.486	1.440	1.499	1.446	1.377	1.468	1.415	7.58
60)	4-Chlorophenyl...	0.597	0.675	0.638	0.608	0.615	0.615	0.655	0.629	4.47
61)	4-Nitroaniline		0.230	0.281	0.326	0.321	0.304	0.372	0.306	15.57
62)	Azobenzene	1.156	1.568	1.520	1.448	1.465	1.436	1.505	1.443	9.31
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.021	0.027	0.032	0.034	0.034	0.041	0.032	22.34
65) c	n-Nitrosodiphe...	0.563	0.710	0.664	0.627	0.621	0.633	0.708	0.647	8.10
66)	4-Bromophenyl-...	0.175	0.221	0.206	0.203	0.199	0.197	0.213	0.202	7.24
67)	Hexachlorobenzene	0.213	0.266	0.229	0.219	0.221	0.215	0.238	0.229	8.07
68)	Atrazine	0.122	0.174	0.187	0.181	0.185	0.170	0.193	0.173	13.74
69) C	Pentachlorophenol		0.067	0.088	0.095	0.100	0.100	0.120	0.095	18.38
70)	Phenanthrene	1.018	1.180	1.096	1.072	1.058	1.038	1.118	1.083	5.05
71)	Anthracene	0.940	1.189	1.086	1.034	1.035	1.007	1.120	1.059	7.66
72)	Carbazole	0.814	1.111	1.039	1.003	1.020	0.985	1.025	1.000	9.12
73)	Di-n-butylphth...		1.074	1.135	1.156	1.168	1.130	1.286	1.158	6.10
74) C	Fluoranthene	0.874	1.195	1.137	1.083	1.070	1.033	1.168	1.080	9.93
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.558	0.634	0.570	0.667	0.688	0.767	0.647	12.10
77)	Pyrene	1.021	1.283	1.225	1.135	1.160	1.149	1.209	1.169	7.08
78) S	Terphenyl-d14	0.790	0.976	0.862	0.799	0.828	0.795	0.829	0.840	7.73
79)	Butylbenzylphth...		0.351	0.415	0.451	0.462	0.478	0.532	0.448	13.59
80)	Benzo(a)anthra...	0.874	1.163	1.104	1.061	1.074	1.066	1.168	1.073	9.15
81)	3,3'-Dichlorob...		0.334	0.347	0.361	0.360	0.384	0.406	0.365	7.06
82)	Chrysene	0.980	1.212	1.068	0.992	1.024	0.982	1.064	1.046	7.81

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83)	Bis(2-ethylhex...	0.611	0.706	0.744	0.707	0.746	0.802	0.719	8.85
84) c	Di-n-octyl pht...	0.679	1.000	1.092	1.114	1.163	1.298	1.058	19.84
85)	Indeno(1,2,3-c...	0.840	1.197	1.187	1.176	1.238	1.281	1.388	14.29
86) I	Perylene-d12	-----ISTD-----							
87)	Benzo(b)fluora...	1.003	1.101	1.055	1.127	1.067	1.027	1.199	6.11
88)	Benzo(k)fluora...	0.750	1.216	1.154	1.010	1.082	1.052	1.080	14.14
89) C	Benzo(a)pyrene	0.707	1.017	1.001	0.995	1.021	0.980	1.060	12.21
90)	Dibenzo(a,h)an...	0.786	0.995	1.016	1.034	1.036	1.026	1.130	10.47
91)	Benzo(g,h,i)pe...	0.776	1.072	1.012	1.030	1.026	1.018	1.114	10.74

(#) = Out of Range