

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF072415.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Jul 25 04:28:42 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF080628.D 10 =BF080629.D 25 =BF080630.D 40 =BF080631.D 50 =BF080632.D 60 =BF080633.D 80 =BF080634.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.630	0.546	0.480	0.477	0.519	0.547	0.533	10.55	
3)	Pyridine	1.255	1.096	1.351	1.318	1.251	1.278	1.258	7.03	
4)	n-Nitrosodimet...	0.837	0.746	0.799	0.802	0.832	0.902	0.820	6.31	
5) S	2-Fluorophenol	1.134	1.254	1.199	1.221	1.127	1.169	1.209	1.188	3.92
6)	Aniline	1.996	2.125	1.967	1.918	1.914	2.002	2.130	2.007	4.43
7) S	Phenol-d6	1.277	1.411	1.381	1.502	1.394	1.461	1.506	1.419	5.65
8)	2-Chlorophenol	1.341	1.434	1.307	1.297	1.213	1.239	1.298	1.304	5.51
9)	Benzaldehyde	0.993	1.076	0.999	0.871	0.849	0.835	0.862	0.927	10.20
10) C	Phenol	1.464	1.725	1.748	1.806	1.735	1.809	1.738	1.718	6.82
11)	bis(2-Chloroet...	1.105	1.330	1.281	1.303	1.257	1.281	1.289	1.264	5.81
12)	1,3-Dichlorobe...	1.407	1.443	1.400	1.398	1.378	1.381	1.456	1.409	2.10
13) C	1,4-Dichlorobe...	1.385	1.616	1.477	1.423	1.400	1.403	1.508	1.459	5.65
14)	1,2-Dichlorobe...	1.305	1.507	1.467	1.392	1.416	1.436	1.522	1.435	5.15
15)	Benzyl Alcohol	1.162	1.261	1.124	1.137	1.124	1.146	1.298	1.179	6.00
16)	2,2'-oxybis(1-...	2.242	2.207	2.125	2.088	2.080	2.060	2.223	2.147	3.53
17)	2-Methylphenol	1.084	1.154	1.059	1.025	0.928	0.981	1.031	1.037	6.98
18)	Hexachloroethane	0.591	0.584	0.585	0.563	0.522	0.559	0.590	0.571	4.36
19) P	n-Nitroso-di-n...	1.138	1.226	0.979	0.910	0.907	0.933	1.073	1.024	12.19
20)	3+4-Methylphenols	1.228	1.380	1.327	1.355	1.320	1.345	1.463	1.345	5.23
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.550	0.590	0.510	0.499	0.497	0.489	0.501	0.519	7.13
23) S	Nitrobenzene-d5	0.319	0.386	0.400	0.408	0.421	0.431	0.423	0.398	9.56
24)	Nitrobenzene	0.394	0.430	0.400	0.373	0.382	0.390	0.409	0.397	4.69
25)	Isophorone	0.707	0.749	0.661	0.669	0.688	0.687	0.728	0.698	4.52
26) C	2-Nitrophenol	0.128	0.134	0.140	0.143	0.148	0.155	0.165	0.145	8.63
27)	2,4-Dimethylph...	0.261	0.310	0.284	0.283	0.288	0.301	0.304	0.290	5.76
28)	bis(2-Chloroet...	0.403	0.469	0.410	0.388	0.394	0.390	0.378	0.405	7.47
29) C	2,4-Dichloroph...	0.263	0.294	0.283	0.281	0.271	0.272	0.273	0.277	3.61
30)	1,2,4-Trichlor...	0.362	0.342	0.333	0.314	0.315	0.320	0.313	0.328	5.65
31)	Naphthalene	1.056	1.089	1.015	0.971	0.967	0.962	0.955	1.002	5.24
32)	Benzoic acid	0.105	0.139	0.157	0.168	0.179	0.183	0.155	18.75	
33)	4-Chloroaniline	0.464	0.511	0.443	0.421	0.410	0.410	0.421	0.440	8.33
34) C	Hexachlorobuta...	0.230	0.239	0.223	0.223	0.223	0.227	0.222	0.227	2.76
35)	Caprolactam	0.065	0.084	0.079	0.081	0.078	0.077	0.090	0.079	9.46
36) C	4-Chloro-3-met...	0.271	0.330	0.290	0.287	0.298	0.281	0.322	0.297	7.27
37)	2-Methylnaphth...	0.714	0.737	0.717	0.710	0.704	0.698	0.720	0.714	1.73

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.587	0.604	0.589	0.564	0.567	0.588	0.545	0.578	3.43
40) P	Hexachlorocycl...	0.271	0.328	0.333	0.342	0.383	0.384	0.364	0.343	11.41
41) S	2,4,6-Tribromo...	0.156	0.180	0.173	0.191	0.189	0.181	0.188	0.180	6.75
42) C	2,4,6-Trichlor...	0.309	0.370	0.398	0.406	0.426	0.424	0.427	0.394	10.86
43)	2,4,5-Trichlor...	0.349	0.403	0.386	0.412	0.452	0.446	0.443	0.413	9.04
44) S	2-Fluorobiphenyl	1.323	1.275	1.260	1.200	1.329	1.345	1.342	1.296	4.15
45)	1,1'-Biphenyl	1.399	1.489	1.375	1.359	1.398	1.403	1.360	1.397	3.16
46)	2-Chloronaphth...	1.110	1.223	1.163	1.124	1.200	1.186	1.175	1.169	3.47
47)	2-Nitroaniline	0.291	0.393	0.364	0.359	0.361	0.364	0.376	0.358	8.86
48)	Acenaphthylene	1.775	2.090	1.933	1.966	2.001	2.032	2.047	1.978	5.22
49)	Dimethylphthalate	1.491	1.636	1.490	1.386	1.371	1.309	1.330	1.430	8.06
50)	2,6-Dinitrotol...	0.198	0.245	0.253	0.252	0.280	0.266	0.295	0.255	12.03
51) C	Acenaphthene	1.130	1.210	1.156	1.181	1.238	1.256	1.237	1.201	3.93
52)	3-Nitroaniline	0.230	0.322	0.291	0.317	0.326	0.328	0.312	0.304	11.40
53) P	2,4-Dinitrophenol		0.070	0.087	0.101	0.120	0.126	0.135	0.106	23.70
54)	Dibenzofuran	1.784	1.792	1.668	1.666	1.716	1.692	1.680	1.714	3.11
55) P	4-Nitrophenol		0.202	0.215	0.232	0.260	0.246	0.284	0.240	12.46
56)	2,4-Dinitrotol...	0.262	0.335	0.313	0.327	0.362	0.354	0.409	0.338	13.48
57)	Fluorene	1.259	1.460	1.368	1.321	1.360	1.338	1.339	1.349	4.48
58)	2,3,4,6-Tetrac...	0.250	0.344	0.329	0.336	0.358	0.336	0.353	0.329	11.10
59)	Diethylphthalate	1.309	1.449	1.330	1.410	1.523	1.460	1.472	1.422	5.46
60)	4-Chlorophenyl...	0.580	0.614	0.596	0.579	0.602	0.603	0.623	0.600	2.74
61)	4-Nitroaniline	0.228	0.320	0.301	0.306	0.297	0.286	0.332	0.296	11.28
62)	Azobenzene	1.318	1.507	1.347	1.363	1.336	1.311	1.347	1.361	4.91
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.066	0.084	0.098	0.106	0.108	0.113	0.096	18.64
65) c	n-Nitrosodiphe...	0.589	0.629	0.617	0.589	0.630	0.604	0.632	0.613	3.10
66)	4-Bromophenyl-...	0.159	0.182	0.202	0.195	0.189	0.200	0.192	0.188	7.81
67)	Hexachlorobenzene	0.235	0.234	0.220	0.230	0.230	0.228	0.230	0.230	2.13
68)	Atrazine	0.182	0.189	0.179	0.168	0.190	0.164	0.175	0.178	5.64
69) C	Pentachlorophenol		0.100	0.104	0.113	0.123	0.119	0.129	0.114	9.63
70)	Phenanthrene	1.150	1.182	1.138	1.064	1.081	1.062	1.052	1.104	4.67
71)	Anthracene	0.972	1.057	1.070	1.040	1.098	1.086	1.131	1.065	4.73
72)	Carbazole	0.898	1.005	0.968	0.973	0.985	0.968	0.955	0.964	3.48
73)	Di-n-butylphth...	1.077	1.253	1.171	1.158	1.209	1.228	1.267	1.195	5.48
74) C	Fluoranthene	1.054	1.080	1.076	0.993	1.110	1.025	1.131	1.067	4.46
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.646	0.763	0.692	0.710	0.693	0.638	0.619	0.680	7.28
77)	Pyrene	1.222	1.244	1.232	1.193	1.274	1.341	1.263	1.253	3.79
78) S	Terphenyl-d14	0.875	0.998	0.967	0.880	0.958	0.967	0.856	0.929	6.11
79)	Butylbenzylphth...	0.426	0.541	0.533	0.559	0.586	0.571	0.578	0.542	10.10
80)	Benzo(a)anthra...	1.078	1.208	1.192	1.134	1.205	1.176	1.222	1.173	4.33
81)	3,3'-Dichlorob...	0.331	0.400	0.388	0.376	0.401	0.374	0.400	0.382	6.58
82)	Chrysene	1.003	1.181	1.031	1.089	1.147	1.104	1.140	1.099	5.84

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83)	Bis(2-ethylhex...	0.668	0.860	0.813	0.831	0.848	0.855	0.840	0.816	8.22
84) c	Di-n-octyl pht...	0.992	1.330	1.252	1.351	1.404	1.413	1.463	1.315	11.99
85)	Indeno(1,2,3-c...	0.923	1.097	1.134	1.270	1.343	1.391	1.683	1.263	19.38
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.042	1.208	1.303	1.116	1.176	1.402	1.240	1.212	9.78
88)	Benzo(k)fluora...	1.152	1.140	0.946	1.133	1.201	1.030	0.997	1.086	8.71
89) C	Benzo(a)pyrene	1.018	1.120	1.076	1.054	1.140	1.135	1.092	1.091	4.11
90)	Dibenzo(a,h)an...	0.945	1.027	1.079	1.182	1.221	1.292	1.293	1.149	11.74
91)	Benzo(g,h,i)pe...	1.014	1.030	1.095	1.153	1.241	1.318	1.313	1.166	10.92

(#) = Out of Range