

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF073015.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jul 31 01:45:22 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF080707.D 10 =BF080702.D 25 =BF080706.D 40 =BF080705.D 50 =BF080703.D 60 =BF080704.D 80 =BF080701.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.534	0.582	0.598	0.550	0.587	0.578	0.595	0.575	4.19
3)	Pyridine	1.131	1.738	1.720	1.642	1.670	1.631	1.634	1.595	13.09
4)	n-Nitrosodimet...	0.742	0.898	0.937	0.932	0.955	0.972	0.947	0.912	8.59
5) S	2-Fluorophenol	1.101	1.319	1.175	1.104	1.147	1.205	1.111	1.166	6.69
6)	Aniline	2.256	2.459	2.389	2.272	2.256	2.190	2.172	2.285	4.55
7) S	Phenol-d6	1.650	1.738	1.571	1.646	1.508	1.464	1.532	1.587	6.03
8)	2-Chlorophenol	1.245	1.471	1.419	1.260	1.230	1.270	1.251	1.307	7.38
9)	Benzaldehyde	1.125	1.209	1.104	0.974	0.925	0.870	0.790	1.000	15.14
10) C	Phenol	1.835	2.049	1.666	2.015	1.848	1.512	1.931	1.837	10.43
11)	bis(2-Chloroet...	1.261	1.375	1.478	1.195	1.263	1.378	1.235	1.312	7.65
12)	1,3-Dichlorobe...	1.457	1.649	1.594	1.441	1.374	1.358	1.310	1.455	8.61
13) C	1,4-Dichlorobe...	1.422	1.592	1.603	1.508	1.501	1.450	1.313	1.484	6.80
14)	1,2-Dichlorobe...	1.429	1.606	1.456	1.260	1.241	1.191	1.314	1.357	10.81
15)	Benzyl Alcohol	1.190	1.492	1.290	1.397	1.387	1.265	1.206	1.318	8.42
16)	2,2'-oxybis(1-...	2.782	3.188	2.996	2.694	2.673	2.607	2.682	2.803	7.54
17)	2-Methylphenol	0.961	1.166	1.159	1.039	1.075	1.078	1.031	1.073	6.74
18)	Hexachloroethane	0.527	0.628	0.575	0.538	0.535	0.544	0.531	0.554	6.54
19) P	n-Nitroso-di-n...	1.053	1.256	1.096	1.036	0.978	1.044	1.018	1.069	8.43
20)	3+4-Methylphenols	1.329	1.548	1.419	1.348	1.225	1.144	1.251	1.323	10.12
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.534	0.556	0.515	0.427	0.463	0.476	0.408	0.483	11.38
23) S	Nitrobenzene-d5	0.410	0.491	0.430	0.410	0.402	0.364	0.383	0.413	9.81
24)	Nitrobenzene	0.435	0.442	0.491	0.353	0.374	0.424	0.378	0.414	11.60
25)	Isophorone	0.732	0.799	0.787	0.688	0.728	0.710	0.697	0.734	5.88
26) C	2-Nitrophenol	0.144	0.169	0.192	0.176	0.181	0.162	0.151	0.168	10.08
27)	2,4-Dimethylph...	0.315	0.371	0.350	0.287	0.292	0.291	0.303	0.316	10.33
28)	bis(2-Chloroet...	0.447	0.470	0.486	0.426	0.427	0.381	0.408	0.435	8.28
29) C	2,4-Dichloroph...	0.298	0.303	0.290	0.274	0.286	0.267	0.244	0.280	7.30
30)	1,2,4-Trichlor...	0.333	0.336	0.312	0.292	0.290	0.289	0.289	0.306	6.93
31)	Naphthalene	1.188	1.148	0.978	0.891	0.962	0.940	0.881	0.998	12.17
32)	Benzoic acid	0.133	0.217	0.222	0.211	0.234	0.226	0.217	0.209	16.32
33)	4-Chloroaniline	0.479	0.473	0.417	0.399	0.427	0.409	0.345	0.421	10.84
34) C	Hexachlorobuta...	0.221	0.224	0.217	0.186	0.187	0.177	0.170	0.197	11.35
35)	Caprolactam	0.080	0.093	0.084	0.083	0.081	0.082	0.085	0.084	5.03
36) C	4-Chloro-3-met...	0.292	0.335	0.323	0.274	0.309	0.313	0.271	0.302	8.00
37)	2-Methylnaphth...	0.684	0.695	0.689	0.616	0.617	0.575	0.511	0.627	10.95

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF073015.M

38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.725	0.708	0.582	0.542	0.584	0.609	0.647	0.628	10.85
40) P	Hexachlorocycl...	0.373	0.392	0.366	0.367	0.382	0.409	0.415	0.386	5.09
41) S	2,4,6-Tribromo...	0.217	0.233	0.197	0.212	0.206	0.208	0.179	0.208	8.03
42) C	2,4,6-Trichlor...	0.419	0.471	0.468	0.424	0.424	0.411	0.441	0.437	5.45
43)	2,4,5-Trichlor...	0.431	0.461	0.463	0.416	0.414	0.414	0.434	0.433	4.86
44) S	2-Fluorobiphenyl	1.693	1.466	1.433	1.245	1.237	1.175	1.135	1.341	14.85
45)	1,1'-Biphenyl	1.803	1.746	1.399	1.385	1.501	1.561	1.340	1.534	11.82
46)	2-Chloronaphth...	1.463	1.373	1.172	1.158	1.220	1.240	1.141	1.253	9.68
47)	2-Nitroaniline	0.446	0.555	0.436	0.481	0.527	0.529	0.437	0.487	10.20
48)	Acenaphthylene	2.279	2.180	2.028	1.946	1.946	1.850	1.712	1.992	9.64
49)	Dimethylphthalate	1.652	1.589	1.445	1.313	1.235	1.246	1.386	1.409	11.58
50)	2,6-Dinitrotol...	0.319	0.307	0.327	0.286	0.264	0.262	0.328	0.299	9.47
51) C	Acenaphthene	1.413	1.275	1.224	1.190	1.189	1.137	1.078	1.215	8.83
52)	3-Nitroaniline	0.319	0.396	0.318	0.336	0.373	0.346	0.328	0.345	8.51
53) P	2,4-Dinitrophenol		0.148	0.162	0.145	0.155	0.183	0.162	0.159	8.56
54)	Dibenzofuran	1.942	1.766	1.599	1.569	1.594	1.555	1.351	1.625	11.37
55) P	4-Nitrophenol	0.220	0.271	0.232	0.259	0.280	0.238	0.279	0.254	9.46
56)	2,4-Dinitrotol...	0.415	0.426	0.400	0.383	0.360	0.337	0.426	0.392	8.72
57)	Fluorene	1.556	1.409	1.169	1.168	1.243	1.243	1.041	1.261	13.54
58)	2,3,4,6-Tetrac...	0.313	0.362	0.334	0.333	0.341	0.321	0.284	0.327	7.51
59)	Diethylphthalate	1.601	1.422	1.406	1.250	1.243	1.241	1.346	1.359	9.71
60)	4-Chlorophenyl...	0.730	0.714	0.610	0.515	0.528	0.514	0.560	0.596	15.50
61)	4-Nitroaniline	0.348	0.337	0.298	0.294	0.277	0.333	0.293	0.312	8.69
62)	Azobenzene	1.448	1.682	1.499	1.326	1.477	1.412	1.460	1.472	7.37
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.104	0.123	0.113	0.129	0.140	0.114	0.120	10.66
65) c	n-Nitrosodiphe...	0.612	0.773	0.635	0.611	0.692	0.686	0.581	0.656	10.00
66)	4-Bromophenyl-...	0.180	0.221	0.220	0.210	0.223	0.212	0.180	0.206	9.01
67)	Hexachlorobenzene	0.234	0.270	0.231	0.215	0.241	0.238	0.242	0.239	6.92
68)	Atrazine	0.157	0.218	0.181	0.167	0.153	0.126	0.105	0.158	23.28
69) C	Pentachlorophenol		0.144	0.154	0.146	0.151	0.144	0.128	0.144	6.29
70)	Phenanthrene	1.076	1.171	0.979	0.925	0.981	0.977	0.946	1.008	8.55
71)	Anthracene	0.980	1.102	1.082	0.981	1.009	0.918	0.859	0.990	8.63
72)	Carbazole	0.843	1.050	0.886	0.777	0.796	0.792	0.871	0.859	10.93
73)	Di-n-butylphth...	0.901	1.184	1.151	1.073	1.144	1.104	0.902	1.066	11.04
74) C	Fluoranthene	0.941	1.063	1.037	0.970	1.024	0.942	0.842	0.974	7.70
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.604	0.750	0.746	0.806	0.765	0.699		0.728	9.58
77)	Pyrene	1.412	1.619	1.586	1.699	1.657	1.561	1.324	1.551	8.73
78) S	Terphenyl-d14	1.054	1.069	1.108	1.144	1.113	1.038	0.876	1.057	8.34
79)	Butylbenzylphth...	0.408	0.548	0.580	0.640	0.655	0.664	0.647	0.592	15.53
80)	Benzo(a)anthra...	1.203	1.261	1.176	1.227	1.239	1.211	1.102	1.203	4.33
81)	3,3'-Dichlorob...	0.326	0.455	0.397	0.416	0.437	0.443	0.400	0.411	10.52
82)	Chrysene	1.086	1.178	1.090	1.239	1.284	1.284	1.011	1.168	9.22

Method Path : Z:\HPCHEM1\BNA_F\METHODS\

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83)	Bis(2-ethylhex...	0.558	0.729	0.757	0.842	0.892	0.856	0.771	0.772	14.43
84) c	Di-n-octyl pht...		1.118	1.248	1.393	1.434	1.410	1.166	1.295	10.51
85)	Indeno(1,2,3-c...	0.734	0.828	0.874	1.017	1.056	1.125	1.069	0.958	15.23
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.052	1.433	1.287	1.120	1.073	1.088	1.311	1.195	12.36
88)	Benzo(k)fluora...	1.052	0.870	0.993	0.982	1.069	1.091	0.826	0.983	10.27
89) C	Benzo(a)pyrene	0.889	1.034	1.030	0.953	0.991	0.967	1.000	0.981	5.12
90)	Dibenzo(a,h)an...	0.786	0.838	0.842	0.873	0.869	0.946	0.991	0.878	7.88
91)	Benzo(g,h,i)pe...	0.765	0.790	0.817	0.852	0.862	0.944	1.017	0.864	10.27

(#) = Out of Range