

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF042016.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Apr 20 15:45:26 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF086300.D 10 =BF086301.D 25 =BF086302.D 40 =BF086306.D 50 =BF086303.D 60 =BF086304.D 80 =BF086305.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.651	0.618	0.617	0.611	0.627	0.619	0.604	0.621	2.43
3)	Pyridine	1.568	1.554	1.544	1.522	1.652	1.699	1.590		4.38
4)	n-Nitrosodimet...	0.453	0.467	0.535	0.570	0.595	0.601	0.613	0.548	11.88
5) S	2-Fluorophenol	1.101	1.269	1.211	1.142	1.197	1.117	0.986	1.146	7.99
6)	Aniline	1.999	2.202	2.145	1.996	2.032	1.941	1.815	2.019	6.33
7) S	Phenol-d6	1.708	1.746	1.551	1.458	1.417	1.372	1.250	1.500	11.98
8)	2-Chlorophenol	1.667	1.571	1.414	1.287	1.256	1.201	1.136	1.362	14.47
9)	Benzaldehyde	1.211	1.209	1.156	1.063	0.989	0.948	0.866	1.063	12.69
10) C	Phenol	2.170	1.785	1.729	1.635	1.519	1.477	1.719		14.57
11)	bis(2-Chloroet...	1.805	1.651	1.527	1.462	1.374	1.361	1.331	1.502	11.59
12)	1,3-Dichlorobe...	1.717	1.649	1.525	1.460	1.458	1.389	1.259	1.494	10.35
13) C	1,4-Dichlorobe...	1.914	1.759	1.650	1.511	1.497	1.476	1.364	1.596	11.88
14)	1,2-Dichlorobe...	1.664	1.602	1.495	1.343	1.267	1.126	1.416		14.61
15)	Benzyl Alcohol	0.892	1.042	1.010	0.940	0.948	0.903	0.790	0.932	8.86
16)	2,2'-oxybis(1-...	2.283	2.297	2.223	2.135	2.099	1.979	1.774	2.113	8.82
17)	2-Methylphenol	1.193	1.226	1.192	1.107	1.132	1.099	1.017	1.138	6.30
18)	Hexachloroethane	0.444	0.521	0.528	0.489	0.473	0.455	0.421	0.476	8.31
19) P	n-Nitroso-di-n...	1.065	1.028	0.914	0.892	0.838	0.809	0.815	0.909	11.27
20)	3+4-Methylphenols	1.512	1.347	1.166	1.081	1.068		1.234		15.45
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.519	0.458	0.389	0.362	0.374		0.420		15.84
23) S	Nitrobenzene-d5	0.416	0.410	0.363	0.341	0.313	0.305	0.296	0.349	14.08
24)	Nitrobenzene	0.426	0.411	0.412	0.353	0.340	0.375	0.298	0.374	12.38
25)	Isophorone	0.731	0.687	0.688	0.623	0.620	0.660	0.622	0.662	6.43
26) C	2-Nitrophenol	0.126	0.169	0.180	0.185	0.176	0.174	0.160	0.167	11.95
27)	2,4-Dimethylph...	0.414	0.342	0.341	0.311	0.306	0.309	0.270	0.328	13.77
28)	bis(2-Chloroet...	0.459	0.417	0.405	0.390	0.353	0.349	0.336	0.387	11.35
29) C	2,4-Dichloroph...	0.264	0.282	0.278	0.262	0.245	0.244	0.234	0.258	7.02
30)	1,2,4-Trichlor...	0.331	0.310	0.286	0.269	0.259	0.260	0.236	0.279	11.77
31)	Naphthalene	1.153	1.028	0.955	0.907	0.901	0.776	0.953		13.40
32)	Benzoic acid	0.149	0.179	0.204	0.210	0.219	0.208	0.195		13.32
33)	4-Chloroaniline	0.443	0.422	0.415	0.398	0.381	0.369	0.335	0.395	9.21
34) C	Hexachlorobuta...	0.167	0.159	0.148	0.130	0.119	0.119	0.141		14.68
35)	Caprolactam	0.067	0.082	0.083	0.089	0.088	0.090	0.086	0.084	9.43
36) C	4-Chloro-3-met...	0.319	0.316	0.302	0.295	0.269	0.272	0.262	0.291	8.03
37)	2-Methylnaphth...	0.684	0.661	0.626	0.568	0.508	0.485	0.589		13.90

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.656	0.545	0.507	0.517	0.511	0.458	0.532	12.54	
40) P	Hexachlorocycl...	0.032	0.090	0.148	0.124	0.124	0.124	0.135	0.111	35.03
41) S	2,4,6-Tribromo...	0.166	0.178	0.174	0.156	0.146	0.140	0.132	0.156	11.13
42) C	2,4,6-Trichlor...	0.371	0.414	0.398	0.360	0.353	0.355	0.334	0.369	7.54
43)	2,4,5-Trichlor...	0.453	0.436	0.412	0.393	0.399	0.375	0.347	0.402	8.91
44) S	2-Fluorobiphenyl	1.752	1.496	1.266	1.077	0.979	0.923	0.888	1.197	27.17
45)	1,1'-Biphenyl	1.894	1.615	1.514	1.465	1.365		1.571	12.85	
46)	2-Chloronaphth...	1.431	1.315	1.218	1.162	1.065	0.950	1.190	14.49	
47)	2-Nitroaniline	0.387	0.421	0.423	0.409	0.405	0.394	0.392	0.405	3.52
48)	Acenaphthylene	2.325	2.106	1.861	1.715	1.603	1.541	1.859	16.40	
49)	Dimethylphthalate	1.890	1.715	1.591	1.399	1.347	1.451	1.267	1.523	14.51
50)	2,6-Dinitrotol...	0.287	0.337	0.341	0.311	0.312	0.336	0.270	0.313	8.61
51) C	Acenaphthene	1.333	1.240	1.085	0.983	0.957	0.945	1.090	14.89	
52)	3-Nitroaniline	0.405	0.426	0.418	0.399	0.376	0.386	0.380	0.398	4.83
53) P	2,4-Dinitrophenol	0.018	0.055	0.063	0.058	0.064		0.052	37.56	
54)	Dibenzofuran	1.836	1.663	1.488	1.401	1.314	1.194	1.483	15.85	
55) P	4-Nitrophenol	0.216	0.252	0.245	0.250	0.262	0.256	0.247	6.50	
56)	2,4-Dinitrotol...	0.346	0.416	0.433	0.384	0.398	0.417	0.332	0.389	9.76
57)	Fluorene	1.419	1.271	1.113	1.031	0.936	0.821	1.099	19.99	
58)	2,3,4,6-Tetrac...	0.228	0.302	0.306	0.280	0.262	0.260	0.249	0.270	10.50
59)	Diethylphthalate	1.861	1.648	1.578	1.388	1.325	1.328	1.273	1.486	14.56
60)	4-Chlorophenyl...	0.669	0.558	0.484	0.464	0.458	0.419	0.509	17.88	
61)	4-Nitroaniline	0.392	0.406	0.389	0.362	0.365	0.355	0.342	0.373	6.18
62)	Azobenzene	1.704	1.693	1.556	1.397	1.339	1.306	1.258	1.465	12.65
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.024	0.055	0.063	0.062	0.064		0.054	31.46	
65) c	n-Nitrosodiphe...	0.798	0.688	0.654	0.653	0.607	0.553	0.659	12.53	
66)	4-Bromophenyl-...	0.265	0.244	0.218	0.200	0.197	0.194	0.187	0.215	13.61
67)	Hexachlorobenzene	0.263	0.241	0.216	0.207	0.210	0.199	0.173	0.216	13.49
68)	Atrazine	0.248	0.222	0.195	0.202	0.194	0.175	0.181	0.203	12.46
69) C	Pentachlorophenol	0.099	0.114	0.114	0.116	0.121	0.114	0.113	6.66	
70)	Phenanthrene	1.128	1.019	0.945	0.929	0.892	0.773	0.948	12.64	
71)	Anthracene	1.240	1.062	0.973	0.944	0.963	0.908	1.015	11.95	
72)	Carbazole	1.113	1.091	1.008	0.931	0.904	0.884	0.791	0.960	12.13
73)	Di-n-butylphth...	1.531	1.353	1.226	1.146	1.118	1.046	1.237	14.44	
74) C	Fluoranthene	1.076	1.007	0.896	0.808	0.814	0.787	0.763	0.879	13.67
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	1.011	1.019	0.939	0.830	0.840	0.799	0.742	0.883	12.18
77)	Pyrene	1.717	1.636	1.524	1.377	1.377	1.354	1.401	1.484	9.76
78) S	Terphenyl-d14	1.081	0.904	0.788	0.762	0.748	0.759	0.840	15.59	
79)	Butylbenzylphth...	0.734	0.815	0.827	0.793	0.773	0.785	0.756	0.783	4.13
80)	Benzo(a)anthra...	1.212	1.154	1.045	1.049	1.012	0.959	0.944	1.054	9.34
81)	3,3'-Dichlorob...	0.798	0.822	0.761	0.688	0.691	0.686	0.654	0.729	8.87
82)	Chrysene	1.298	1.258	1.186	1.030	1.045	1.069	1.085	1.139	9.48

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83)	Bis(2-ethylhex...	1.047	1.048	0.992	0.906	0.843	0.818	0.765	0.917	12.46
84) c	Di-n-octyl pht...	1.737	1.770	1.748	1.620	1.596	1.570	1.530	1.653	5.86
85)	Indeno(1,2,3-c...	1.117	1.115	1.150	1.169	1.239	1.189	1.218	1.171	4.09
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.435	1.264	1.085	1.029	0.976	1.151	1.157		14.64
88)	Benzo(k)fluora...	0.986	1.047	1.034	0.998	1.033	1.025	0.694	0.974	12.86
89) C	Benzo(a)pyrene	1.182	1.193	1.115	1.037	1.019	0.996	0.922	1.066	9.43
90)	Dibenzo(a,h)an...	1.012	1.001	0.978	0.917	0.917	0.869	0.821	0.931	7.60
91)	Benzo(g,h,i)pe...	0.916	0.933	0.924	0.882	0.893	0.872	0.826	0.892	4.14

(#) = Out of Range