

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF040216.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Apr 01 23:17:06 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF085963.D 10 =BF085964.D 25 =BF085965.D 40 =BF085966.D 50 =BF085967.D 60 =BF085968.D 80 =BF085969.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.612	0.513	0.588	0.530	0.554	0.538	0.548	0.555	6.17
3)	Pyridine	1.007	1.143	1.201	1.374	1.411	1.289	1.268	1.242	11.16
4)	n-Nitrosodimet...		0.486	0.565	0.551	0.576	0.556	0.542	0.546	5.77
5) S	2-Fluorophenol	1.190	1.177	1.210	1.174	1.238	1.147	1.054	1.170	5.02
6)	Aniline	2.078	2.016	2.007	1.976	2.040	1.836	1.696	1.950	6.95
7) S	Phenol-d6	1.516	1.692	1.551	1.515	1.444	1.343	1.342	1.486	8.31
8)	2-Chlorophenol	1.497	1.518	1.481	1.358	1.356	1.279	1.279	1.395	7.33
9)	Benzaldehyde	0.962	0.894	0.846	0.803	0.779	0.715	0.598	0.800	14.95
10) C	Phenol	1.777	1.773	1.703	1.809	1.747	1.445	1.612	1.695	7.54
11)	bis(2-Chloroet...	1.548	1.417	1.350	1.198	1.250	1.354	1.280	1.342	8.67
12)	1,3-Dichlorobe...	1.729	1.448	1.501	1.435	1.488	1.422	1.329	1.479	8.37
13) C	1,4-Dichlorobe...	1.770	1.573	1.531	1.460	1.490	1.454	1.387	1.524	8.14
14)	1,2-Dichlorobe...	1.626	1.510	1.488	1.423	1.379	1.263	1.128	1.402	11.81
15)	Benzyl Alcohol	1.074	1.085	1.069	0.926	0.925	0.870	0.782	0.962	12.19
16)	2,2'-oxybis(1-...	1.894	1.788	1.726	1.612	1.598	1.471	1.391	1.640	10.76
17)	2-Methylphenol	1.113	1.217	1.145	1.039	1.101	1.079	1.008	1.100	6.26
18)	Hexachloroethane	0.607	0.615	0.551	0.540	0.555	0.540	0.516	0.560	6.58
19) P	n-Nitroso-di-n...	1.052	1.097	0.915	0.843	0.788	0.832		0.921	13.72
20)	3+4-Methylphenols	1.562	1.505	1.436	1.289	1.248	1.196	1.132	1.338	12.23
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.524	0.571	0.490	0.449	0.460	0.410	0.387	0.470	13.60
23) S	Nitrobenzene-d5	0.353	0.376	0.373	0.316	0.322	0.324	0.310	0.339	8.12
24)	Nitrobenzene	0.401	0.429	0.360	0.366	0.396	0.340	0.305	0.371	11.23
25)	Isophorone	0.755	0.731	0.654	0.652	0.662	0.615	0.617	0.669	8.05
26) C	2-Nitrophenol	0.163	0.186	0.179	0.171	0.180	0.179	0.185	0.178	4.53
27)	2,4-Dimethylph...	0.363	0.375	0.331	0.288	0.285	0.288	0.302	0.319	11.85
28)	bis(2-Chloroet...	0.468	0.446	0.413	0.356	0.356	0.350	0.361	0.393	12.43
29) C	2,4-Dichloroph...	0.275	0.337	0.261	0.259	0.271	0.252	0.232	0.270	12.11
30)	1,2,4-Trichlor...	0.321	0.359	0.301	0.289	0.301	0.281	0.266	0.303	10.02
31)	Naphthalene	1.216	1.098	0.981	0.961	0.988	0.928	0.869	1.006	11.48
32)	Benzoic acid		0.244	0.222	0.238	0.243	0.220	0.236	0.234	4.41
33)	4-Chloroaniline	0.480	0.429	0.418	0.382	0.383	0.378	0.374	0.406	9.58
34) C	Hexachlorobuta...	0.186	0.169	0.167	0.158	0.163	0.153	0.144	0.163	8.29
35)	Caprolactam	0.074	0.087	0.087	0.091	0.086	0.090	0.083	0.086	6.86
36) C	4-Chloro-3-met...	0.347	0.305	0.307	0.303	0.294	0.270	0.294	0.303	7.59
37)	2-Methylnaphth...	0.802	0.729	0.673	0.610	0.593	0.535		0.657	14.87

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.658	0.586	0.587	0.594	0.619	0.597	0.566	0.601	4.94
40) P	Hexachlorocycl...		0.076	0.139	0.166	0.189	0.189	0.218	0.163	30.87
41) S	2,4,6-Tribromo...	0.185	0.181	0.198	0.190	0.183	0.173	0.203	0.188	5.42
42) C	2,4,6-Trichlor...	0.420	0.377	0.380	0.384	0.399	0.380	0.362	0.386	4.84
43)	2,4,5-Trichlor...	0.435	0.365	0.402	0.384	0.387	0.383	0.388	0.392	5.62
44) S	2-Fluorobiphenyl		1.375	1.380	1.236	1.184	1.025	1.017	1.203	13.34
45)	1,1'-Biphenyl	2.070	1.848	1.695	1.682	1.742	1.613	1.421	1.724	11.65
46)	2-Chloronaphth...	1.417	1.258	1.273	1.266	1.307	1.156	1.073	1.250	8.79
47)	2-Nitroaniline	0.342	0.347	0.360	0.378	0.408	0.389	0.338	0.366	7.20
48)	Acenaphthylene	2.295	2.139	2.136	2.066	2.025	1.723	1.634	2.002	11.90
49)	Dimethylphthalate	1.648	1.523	1.554	1.366	1.483	1.446	1.357	1.482	7.03
50)	2,6-Dinitrotol...	0.302	0.302	0.323	0.337	0.310	0.275	0.346	0.314	7.64
51) C	Acenaphthene	1.435	1.254	1.266	1.208	1.162	1.035	0.977	1.191	12.84
52)	3-Nitroaniline	0.371	0.376	0.359	0.406	0.407	0.329	0.397	0.378	7.48
53) P	2,4-Dinitrophenol	0.020	0.097	0.132	0.154	0.172	0.187		0.127	48.12
54)	Dibenzofuran	1.950	1.699	1.672	1.589	1.503	1.344	1.252	1.573	14.86
55) P	4-Nitrophenol		0.184	0.212	0.219	0.240	0.242	0.240	0.223	10.14
56)	2,4-Dinitrotol...	0.388	0.439	0.430	0.374	0.426	0.395	0.322	0.396	10.25
57)	Fluorene	1.615	1.456	1.430	1.390	1.336	1.129	1.049	1.344	14.53
58)	2,3,4,6-Tetrac...	0.317	0.270	0.284	0.286	0.306	0.289	0.290	0.292	5.20
59)	Diethylphthalate	1.662	1.613	1.574	1.379	1.392	1.404	1.449	1.496	7.85
60)	4-Chlorophenyl...		0.729	0.692	0.619	0.572	0.556	0.586	0.626	11.19
61)	4-Nitroaniline	0.351	0.341	0.399	0.370	0.413	0.344	0.388	0.372	7.57
62)	Azobenzene	1.527	1.467	1.568	1.419	1.389	1.318	1.343	1.433	6.47
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.101	0.129	0.118	0.130	0.131	0.119	0.121	9.44
65) c	n-Nitrosodiphe...	0.727	0.674	0.642	0.629	0.633	0.537	0.537	0.625	11.01
66)	4-Bromophenyl-...	0.223	0.208	0.214	0.207	0.213	0.188	0.176	0.204	7.90
67)	Hexachlorobenzene	0.222	0.212	0.224	0.214	0.225	0.196	0.186	0.211	7.04
68)	Atrazine	0.214	0.200	0.233	0.187	0.181	0.201	0.199	0.202	8.67
69) C	Pentachlorophenol		0.084	0.101	0.103	0.108	0.100	0.098	0.099	7.93
70)	Phenanthrene	1.324	1.184	1.130	1.094	1.101	0.955	0.850	1.091	14.06
71)	Anthracene	1.395	1.309	1.138	1.019	1.077	1.036	1.027	1.143	13.16
72)	Carbazole	1.216	1.108	1.050	0.910	0.900	0.834	0.860	0.982	14.64
73)	Di-n-butylphth...	1.350	1.319	1.325	1.228	1.243	1.076	0.980	1.217	11.46
74) C	Fluoranthene	1.312	1.249	1.114	1.038	1.132	1.078	1.021	1.135	9.56
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.578	0.763	0.744	0.713	0.766	0.717	0.658	0.706	9.52
77)	Pyrene	1.517	1.419	1.331	1.351	1.448	1.468	1.331	1.409	5.21
78) S	Terphenyl-d14	0.931	0.877	0.894	0.792	0.833	0.808	0.822	0.851	5.97
79)	Butylbenzylphth...	0.549	0.587	0.614	0.634	0.709	0.699	0.649	0.635	9.08
80)	Benzo(a)anthra...	1.338	1.195	1.149	1.137	1.197	1.181	1.056	1.179	7.25
81)	3,3'-Dichlorob...	0.874	0.876	0.816	0.914	0.986	0.893	0.668	0.861	11.52
82)	Chrysene	1.219	1.105	1.084	1.174	1.253	1.166	0.949	1.136	8.92

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83)	Bis(2-ethylhex...	0.835	0.841	0.868	0.839	0.885	0.860	0.769	0.842	4.41
84) c	Di-n-octyl pht...	1.149	1.253	1.404	1.444	1.517	1.426	1.223	1.345	10.13
85)	Indeno(1,2,3-c...	0.998	0.931	0.930	0.914	0.929	0.889	0.858	0.921	4.69
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.185	1.139	1.112	1.417	1.458	1.269	1.227	1.258	10.63
88)	Benzo(k)fluora...	1.363	1.222	1.235	0.929	1.017	0.994	1.038	1.114	14.30
89) C	Benzo(a)pyrene	1.185	1.114	1.120	1.071	1.125	1.087	1.102	1.115	3.27
90)	Dibenzo(a,h)an...	0.931	0.884	0.886	0.873	0.917	0.872	0.915	0.897	2.65
91)	Benzo(g,h,i)pe...	0.935	0.860	0.856	0.834	0.872	0.842	0.876	0.868	3.84

(#) = Out of Range