

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF030116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Mar 02 13:25:39 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF085097.D 10 =BF085098.D 25 =BF085099.D 40 =BF085100.D 50 =BF085101.D 60 =BF085102.D 80 =BF085103.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.659	0.641	0.608	0.605	0.597	0.593	0.570	0.611	4.93
3)	Pyridine	1.586	1.518	1.474	1.650	1.501	1.657	1.582	1.567	4.59
4)	n-Nitrosodimet...	0.699	0.727	0.748	0.733	0.717	0.700	0.667	0.713	3.74
5) S	2-Fluorophenol	1.329	1.339	1.365	1.129	1.119	1.147	1.196	1.232	8.80
6)	Aniline	2.496	2.323	2.392	2.310	2.247	2.195	2.078	2.292	5.91
7) S	Phenol-d6	1.856	1.688	1.713	1.547	1.561	1.458	1.482	1.615	8.85
8)	2-Chlorophenol	1.600	1.601	1.421	1.385	1.391	1.301	1.241	1.420	9.69
9)	Benzaldehyde	1.071	1.070	0.989	0.756	0.725	0.675	0.607	0.842	23.27
10) C	Phenol	2.028	1.705	1.934	1.748	1.859	1.614	1.759	1.807	7.87
11)	bis(2-Chloroet...	1.464	1.463	1.499	1.516	1.444	1.443	1.199	1.432	7.45
12)	1,3-Dichlorobe...	1.678	1.619	1.530	1.528	1.520	1.487	1.315	1.525	7.47
13) C	1,4-Dichlorobe...	1.836	1.753	1.559	1.465	1.420	1.410	1.439	1.555	11.11
14)	1,2-Dichlorobe...	1.536	1.492	1.485	1.343	1.373	1.244	1.105	1.369	11.25
15)	Benzyl Alcohol	1.267	1.291	1.160	1.125	1.171	1.084	1.142	1.177	6.41
16)	2,2'-oxybis(1-...	2.380	2.300	2.150	2.016	1.950	1.968	2.012	2.111	8.08
17)	2-Methylphenol	1.206	1.200	1.262	1.216	1.168	1.189	1.087	1.190	4.53
18)	Hexachloroethane	0.614	0.626	0.606	0.566	0.559	0.543	0.507	0.575	7.48
19) P	n-Nitroso-di-n...	1.051	1.187	1.055	1.110	1.016	1.064	0.967	1.064	6.56
20)	3+4-Methylphenols	1.558	1.674	1.485	1.306	1.326	1.293	1.311	1.422	10.65
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.539	0.593	0.516	0.483	0.509	0.447	0.435	0.503	10.82
23) S	Nitrobenzene-d5	0.361	0.366	0.415	0.395	0.381	0.383	0.331	0.376	7.13
24)	Nitrobenzene	0.386	0.439	0.380	0.372	0.410	0.349	0.392	0.390	7.36
25)	Isophorone	0.717	0.767	0.711	0.720	0.718	0.711	0.691	0.719	3.21
26) C	2-Nitrophenol		0.145	0.155	0.189	0.185	0.192	0.181	0.174	11.30
27)	2,4-Dimethylph...	0.301	0.345	0.367	0.351	0.335	0.351	0.316	0.338	6.70
28)	bis(2-Chloroet...	0.386	0.398	0.468	0.375	0.387	0.364	0.398	0.397	8.51
29) C	2,4-Dichloroph...	0.248	0.285	0.303	0.285	0.274	0.281	0.270	0.278	6.03
30)	1,2,4-Trichlor...	0.317	0.338	0.330	0.290	0.293	0.283	0.270	0.303	8.44
31)	Naphthalene	1.138	1.153	1.071	0.955	0.945	0.928	0.891	1.011	10.59
32)	Benzoic acid		0.020	0.105	0.175	0.195	0.207	0.229	0.155	50.82
33)	4-Chloroaniline	0.398	0.420	0.470	0.377	0.385	0.365	0.385	0.400	8.84
34) C	Hexachlorobuta...	0.168	0.174	0.179	0.182	0.181	0.177	0.170	0.176	3.12
35)	Caprolactam		0.075	0.086	0.088	0.098	0.090	0.086	0.087	8.72
36) C	4-Chloro-3-met...	0.270	0.332	0.316	0.306	0.334	0.285	0.310	0.307	7.64
37)	2-Methylnaphth...	0.671	0.642	0.651	0.620	0.641	0.594	0.509	0.618	8.72

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.690	0.706	0.639	0.590	0.545	0.560	0.581	0.616	10.30
40) P	Hexachlorocycl...	0.320	0.354	0.348	0.376	0.346	0.352	0.359	0.351	4.84
41) S	2,4,6-Tribromo...	0.171	0.192	0.209	0.216	0.208	0.200	0.211	0.201	7.54
42) C	2,4,6-Trichlor...	0.401	0.426	0.396	0.442	0.428	0.412	0.398	0.415	4.19
43)	2,4,5-Trichlor...	0.376	0.397	0.406	0.427	0.421	0.391	0.364	0.397	5.75
44) S	2-Fluorobiphenyl	1.653	1.575	1.239	1.282	1.242	1.158		1.358	14.99
45)	1,1'-Biphenyl	2.029	2.045	1.803	1.773	1.630	1.661	1.487	1.775	11.62
46)	2-Chloronaphth...	1.454	1.433	1.228	1.341	1.279	1.242	1.087	1.295	9.83
47)	2-Nitroaniline		0.355	0.405	0.445	0.390	0.438	0.406	0.406	8.07
48)	Acenaphthylene	2.200	2.110	2.087	1.845	1.789	1.691	1.749	1.924	10.52
49)	Dimethylphthalate	1.619	1.506	1.499	1.525	1.529	1.365	1.337	1.483	6.65
50)	2,6-Dinitrotol...	0.237	0.332	0.293	0.335	0.352	0.300	0.303	0.308	12.30
51) C	Acenaphthene	1.359	1.266	1.310	1.144	1.135	1.100	1.144	1.208	8.40
52)	3-Nitroaniline	0.290	0.325	0.394	0.436	0.401	0.392	0.318	0.365	14.74
53) P	2,4-Dinitrophenol		0.018	0.061	0.108	0.106	0.126	0.154	0.095	51.15
54)	Dibenzofuran	1.842	1.715	1.696	1.517	1.488	1.365	1.354	1.568	11.90
55) P	4-Nitrophenol		0.240	0.253	0.327	0.268	0.337	0.255	0.280	14.71
56)	2,4-Dinitrotol...		0.401	0.391	0.419	0.432	0.389	0.455	0.414	6.23
57)	Fluorene		1.450	1.398	1.206	1.186	1.099	1.062	1.233	12.81
58)	2,3,4,6-Tetrac...	0.241	0.297	0.309	0.340	0.330	0.313	0.277	0.301	11.22
59)	Diethylphthalate	1.397	1.546	1.436	1.520	1.428	1.399	1.222	1.421	7.40
60)	4-Chlorophenyl...	0.719	0.745	0.699	0.590	0.571	0.551	0.575	0.636	12.87
61)	4-Nitroaniline		0.283	0.309	0.401	0.339	0.368	0.354	0.342	12.25
62)	Azobenzene	1.443	1.397	1.527	1.499	1.435	1.369	1.381	1.436	4.16
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.038	0.092	0.126	0.121	0.121		0.100	37.22
65) c	n-Nitrosodiphe...	0.676	0.716	0.674	0.633	0.603	0.591	0.520	0.630	10.41
66)	4-Bromophenyl-...	0.215	0.231	0.238	0.200	0.205	0.186	0.195	0.210	9.05
67)	Hexachlorobenzene	0.259	0.242	0.247	0.238	0.239	0.221	0.213	0.237	6.54
68)	Atrazine	0.224	0.202	0.233	0.179	0.162	0.180	0.166	0.192	14.64
69) C	Pentachlorophenol		0.122	0.151	0.139	0.138	0.140	0.144	0.139	6.86
70)	Phenanthrene		1.210	1.193	0.889	0.922	0.851	0.904	0.995	16.26
71)	Anthracene	1.312	1.316	1.123	1.074	1.087	1.014	0.895	1.117	13.68
72)	Carbazole	1.149	1.131	0.994	0.952	0.962	0.858	0.760	0.972	14.27
73)	Di-n-butylphth...	1.190	1.257	1.177	1.176	1.138	1.109	1.053	1.157	5.62
74) C	Fluoranthene	1.320	1.242	1.172	1.044	1.059	0.951	0.855	1.092	14.97
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.630	0.721	0.558	0.598	0.516		0.605	12.90
77)	Pyrene	1.511	1.453	1.448	1.269	1.407	1.218	1.250	1.365	8.55
78) S	Terphenyl-d14	0.853	0.903	0.854	0.847	0.798	0.846	0.867	0.853	3.63
79)	Butylbenzylphth...		0.496	0.556	0.598	0.603	0.598	0.617	0.578	7.82
80)	Benzo(a)anthra...	1.266	1.220	1.220	1.114	1.178	1.088	1.042	1.161	7.03
81)	3,3'-Dichlorob...	0.280	0.364	0.447	0.368	0.382	0.357	0.341	0.363	13.69
82)	Chrysene	1.095	1.139	1.179	0.996	1.129	0.964	0.921	1.060	9.36

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83)	Bis(2-ethylhex...	0.501	0.660	0.775	0.687	0.726	0.670	0.655	0.668	12.72
84) c	Di-n-octyl pht...		0.778	1.058	1.056	1.101	0.990	0.962	0.991	11.68
85)	Indeno(1,2,3-c...		0.754	0.827	0.877	0.969	0.889	1.064	0.897	12.09
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.205	1.204	1.469	1.232	1.220	1.147	1.048	1.218	10.46
88)	Benzo(k)fluora...	1.088	1.187	0.931	1.057	0.979	1.109	1.032	1.055	8.04
89) C	Benzo(a)pyrene	0.945	1.081	1.085	1.030	1.014	1.011	1.003	1.024	4.69
90)	Dibenzo(a,h)an...	0.726	0.829	0.885	0.974	0.978	0.980	1.086	0.923	12.87
91)	Benzo(g,h,i)pe...	0.772	0.844	0.865	0.984	0.982	0.997	1.121	0.938	12.51

(#) = Out of Range