

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF032416.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Mar 24 14:15:39 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF085705.D 10 =BF085706.D 25 =BF085707.D 40 =BF085708.D 50 =BF085711.D 60 =BF085710.D 80 =BF085712.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.637	0.566	0.554	0.566	0.586	0.549	0.557	0.573	5.28
3)	Pyridine	1.005	1.273	1.421	1.446	1.494	1.525	1.459	1.375	13.22
4)	n-Nitrosodimet...	0.527	0.462	0.578	0.573	0.592	0.555	0.566	0.550	8.00
5) S	2-Fluorophenol	1.273	1.266	1.242	1.147	1.241	1.188	1.049	1.201	6.71
6)	Aniline	2.286	2.140	2.113	1.960	2.087	1.947	1.854	2.055	7.06
7) S	Phenol-d6	1.741	1.591	1.631	1.438	1.489	1.487	1.311	1.527	9.20
8)	2-Chlorophenol	1.482	1.412	1.488	1.398	1.407	1.277	1.303	1.395	5.80
9)	Benzaldehyde	0.991	0.998	0.970	0.875	0.906	0.860	0.839	0.920	7.16
10) C	Phenol	1.889	1.763	1.953	1.654	1.622	1.806	1.421	1.730	10.42
11)	bis(2-Chloroet...	1.527	1.324	1.394	1.277	1.247	1.228	1.320	1.331	7.70
12)	1,3-Dichlorobe...	1.615	1.540	1.541	1.505	1.550	1.437	1.329	1.503	6.23
13) C	1,4-Dichlorobe...	1.692	1.555	1.560	1.428	1.531	1.479	1.422	1.524	6.11
14)	1,2-Dichlorobe...	1.655	1.522	1.545	1.414	1.437	1.225	1.143	1.420	12.75
15)	Benzyl Alcohol	1.101	1.078	1.075	1.051	1.076	0.878	0.872	1.019	9.74
16)	2,2'-oxybis(1-...	2.007	1.847	1.861	1.728	1.772	1.639	1.511	1.766	9.13
17)	2-Methylphenol	1.137	1.118	1.138	1.137	1.165	1.045	1.080	1.117	3.68
18)	Hexachloroethane	0.602	0.573	0.580	0.542	0.578	0.535	0.495	0.558	6.49
19) P	n-Nitroso-di-n...	1.017	1.015	0.898	0.949	0.850	0.842	0.830	0.914	8.78
20)	3+4-Methylphenols	1.600	1.510	1.447	1.292	1.349	1.171	1.032	1.343	14.69
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.560	0.485	0.434	0.455	0.396		0.466		13.27
23) S	Nitrobenzene-d5	0.442	0.383	0.359	0.348	0.334	0.301	0.318	0.355	13.17
24)	Nitrobenzene	0.424	0.402	0.384	0.335	0.372	0.357	0.288	0.366	12.37
25)	Isophorone	0.788	0.757	0.676	0.640	0.687	0.621	0.620	0.684	9.67
26) C	2-Nitrophenol	0.196	0.195	0.197	0.173	0.175	0.165	0.180	0.183	7.15
27)	2,4-Dimethylph...	0.362	0.335	0.323	0.330	0.337	0.284	0.270	0.320	10.04
28)	bis(2-Chloroet...	0.433	0.411	0.439	0.392	0.373	0.334	0.348	0.390	10.36
29) C	2,4-Dichloroph...	0.294	0.297	0.280	0.256	0.260	0.255	0.243	0.269	7.80
30)	1,2,4-Trichlor...	0.340	0.311	0.302	0.286	0.304	0.280	0.268	0.299	7.95
31)	Naphthalene	1.284	1.107	1.006	0.928	0.994	0.910	0.824	1.008	14.93
32)	Benzoic acid	0.163	0.213	0.215	0.232	0.242	0.190	0.232	0.213	12.98
33)	4-Chloroaniline	0.491	0.467	0.448	0.396	0.386	0.340	0.352	0.411	14.17
34) C	Hexachlorobuta...	0.199	0.177	0.168	0.155	0.159	0.143	0.136	0.162	13.19
35)	Caprolactam	0.096	0.099	0.101	0.087	0.099	0.094	0.092	0.095	5.19
36) C	4-Chloro-3-met...	0.372	0.352	0.332	0.285	0.320	0.294	0.244	0.314	13.80
37)	2-Methylnaphth...	0.806	0.749	0.695	0.603	0.592	0.504	0.493	0.635	18.87

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.625	0.566	0.586	0.599	0.617	0.605	0.554	0.593	4.40
40) P	Hexachlorocycl...		0.104	0.162	0.198	0.221	0.237	0.254	0.196	28.29
41) S	2,4,6-Tribromo...	0.175	0.179	0.204	0.193	0.184	0.187	0.209	0.190	6.66
42) C	2,4,6-Trichlor...	0.425	0.376	0.394	0.392	0.406	0.410	0.401	0.401	3.84
43)	2,4,5-Trichlor...	0.430	0.431	0.438	0.418	0.417	0.393	0.415	0.420	3.50
44) S	2-Fluorobiphenyl		1.362	1.395	1.229	1.141	1.004	1.052	1.197	13.41
45)	1,1'-Biphenyl	2.065	1.760	1.694	1.689	1.722	1.539	1.343	1.688	13.03
46)	2-Chloronaphth...	1.363	1.247	1.299	1.295	1.274	1.134	1.076	1.241	8.12
47)	2-Nitroaniline	0.369	0.394	0.391	0.353	0.362	0.398	0.389	0.379	4.67
48)	Acenaphthylene	2.307	2.147	2.216	2.067	1.940	1.748	1.730	2.022	11.13
49)	Dimethylphthalate	1.795	1.469	1.623	1.417	1.466	1.519	1.334	1.517	9.96
50)	2,6-Dinitrotol...	0.334	0.348	0.307	0.339	0.365	0.300	0.294	0.327	8.19
51) C	Acenaphthene	1.378	1.288	1.334	1.156	1.209	1.097	1.183	1.235	8.21
52)	3-Nitroaniline	0.368	0.382	0.398	0.348	0.397	0.405	0.319	0.374	8.34
53) P	2,4-Dinitrophenol		0.078	0.119	0.154	0.169	0.157	0.163	0.140	25.14
54)	Dibenzofuran	1.859	1.755	1.753	1.582	1.550	1.341	1.350	1.599	12.70
55) P	4-Nitrophenol	0.186	0.240	0.250	0.254	0.284	0.250	0.241	0.244	11.96
56)	2,4-Dinitrotol...	0.395	0.416	0.446	0.453	0.403	0.382	0.411	0.415	6.25
57)	Fluorene	1.598	1.428	1.481	1.358	1.264	1.103	1.069	1.329	14.70
58)	2,3,4,6-Tetrac...	0.285	0.281	0.289	0.285	0.287	0.312	0.305	0.292	4.04
59)	Diethylphthalate	1.709	1.527	1.595	1.441	1.382	1.408	1.433	1.499	7.88
60)	4-Chlorophenyl...	0.787	0.739	0.657	0.590	0.590	0.580	0.605	0.650	12.73
61)	4-Nitroaniline	0.364	0.368	0.347	0.377	0.337	0.385	0.324	0.358	6.16
62)	Azobenzene	1.646	1.482	1.430	1.406	1.403	1.337	1.381	1.441	6.99
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.100	0.106	0.123	0.129	0.110	0.134	0.117	11.69
65) c	n-Nitrosodiphe...	0.800	0.685	0.645	0.621	0.617	0.521	0.545	0.633	14.60
66)	4-Bromophenyl-...	0.229	0.218	0.220	0.199	0.194	0.181	0.191	0.205	8.75
67)	Hexachlorobenzene	0.230	0.224	0.231	0.217	0.214	0.192	0.190	0.214	7.90
68)	Atrazine	0.253	0.223	0.233	0.204	0.185	0.188	0.212	0.214	11.49
69) C	Pentachlorophenol	0.083	0.094	0.112	0.111	0.116	0.111	0.108	0.105	11.30
70)	Phenanthrene		1.187	1.166	1.067	1.013	0.894	0.834	1.027	13.91
71)	Anthracene		1.288	1.132	0.994	1.041	1.048	0.966	1.078	10.87
72)	Carbazole		1.055	1.055	0.920	0.856	0.776	0.768	0.905	14.22
73)	Di-n-butylphth...	1.404	1.396	1.337	1.171	1.140	1.005		1.242	13.02
74) C	Fluoranthene	1.381	1.216	1.061	1.026	1.044	1.004	0.909	1.092	14.36
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.591	0.620	0.694	0.717	0.754	0.751	0.803	0.704	10.81
77)	Pyrene	1.753	1.562	1.579	1.479	1.630	1.753	1.751	1.644	6.73
78) S	Terphenyl-d14	0.998	0.987	1.028	0.868	0.899	0.974	1.053	0.972	6.86
79)	Butylbenzylphth...	0.653	0.638	0.679	0.672	0.690	0.750	0.738	0.688	6.04
80)	Benzo(a)anthra...	1.262	1.129	1.153	1.099	1.075	1.116	1.150	1.140	5.27
81)	3,3'-Dichlorob...	0.782	0.767	0.790	0.717	0.725	0.850	0.910	0.791	8.66
82)	Chrysene	1.251	1.186	1.024	1.081	1.073	1.206	1.220	1.149	7.63

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83)	Bis(2-ethylhex...	0.844	0.838	0.822	0.821	0.794	0.825	0.827	0.824	1.94
84) c	Di-n-octyl pht...	1.134	1.158	1.168	1.243	1.225	1.292	1.360	1.226	6.60
85)	Indeno(1,2,3-c...	0.789	0.738	0.888	0.874	0.999	1.035		0.887	12.97
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.235	1.220	1.413	1.288	1.367	1.214	1.085	1.260	8.61
88)	Benzo(k)fluora...	1.418	1.327	0.951	1.053	1.036	1.069	1.096	1.136	14.95
89) C	Benzo(a)pyrene	1.172	1.142	1.117	1.102	1.158	1.073	1.067	1.119	3.64
90)	Dibenzo(a,h)an...	0.938	0.924	1.058	1.015	1.139	1.085	1.117	1.039	8.10
91)	Benzo(g,h,i)pe...	0.971	0.911	1.061	1.031	1.156	1.108	1.129	1.052	8.41

(#) = Out of Range