

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF051716.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue May 17 16:55:01 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF087104.D 10 =BF087103.D 25 =BF087102.D 40 =BF087101.D 50 =BF087100.D 60 =BF087099.D 80 =BF087098.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.656	0.641	0.618	0.605	0.589	0.564	0.612	5.51	
3)	Pyridine	1.409	1.391	1.590	1.550	1.434	1.510	1.481	5.47	
4)	n-Nitrosodimet...	0.906	0.948	1.054	1.142	1.102	1.071	1.121	1.049	8.51
5) S	2-Fluorophenol	1.059	1.259	1.227	1.181	1.172	1.230	1.201	1.190	5.46
6)	Aniline	2.160	2.107	2.015	2.047	1.958	2.001	1.902	2.027	4.30
7) S	Phenol-d6	1.709	1.651	1.609	1.615	1.558	1.539	1.490	1.596	4.59
8)	2-Chlorophenol	1.525	1.519	1.463	1.468	1.424	1.367	1.368	1.448	4.46
9)	Benzaldehyde	1.010	1.114	0.983	0.821	0.798	0.721	0.908	16.58	
10) C	Phenol	2.139	2.058	2.112	2.098	2.049	1.654	1.933	2.006	8.42
11)	bis(2-Chloroet...	1.830	1.597	1.550	1.350	1.315	1.492	1.409	1.506	11.67
12)	1,3-Dichlorobe...	1.690	1.632	1.483	1.580	1.552	1.488	1.347	1.539	7.31
13) C	1,4-Dichlorobe...	1.753	1.666	1.540	1.585	1.533	1.543	1.403	1.575	7.03
14)	1,2-Dichlorobe...	1.667	1.522	1.483	1.276	1.239	1.220	1.242	1.378	12.86
15)	Benzyl Alcohol	1.002	1.269	1.223	1.248	1.217	1.179	1.178	1.188	7.47
16)	2,2'-oxybis(1-...	3.694	3.447	3.243	2.951	2.851	2.824	2.667	3.097	12.09
17)	2-Methylphenol	1.208	1.275	1.174	1.206	1.173	1.138	1.150	1.189	3.87
18)	Hexachloroethane	0.662	0.597	0.575	0.616	0.588	0.604	0.572	0.602	5.07
19) P	n-Nitroso-di-n...	1.317	1.267	1.257	1.273	1.243	1.027	1.107	1.213	8.66
20)	3+4-Methylphenols	1.521	1.654	1.631	1.632	1.578	1.471	1.491	1.568	4.73
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.513	0.494	0.482	0.498	0.487	0.466	0.487	0.489	2.98
23) S	Nitrobenzene-d5	0.452	0.416	0.409	0.387	0.368	0.410	0.367	0.401	7.48
24)	Nitrobenzene	0.511	0.425	0.430	0.460	0.452	0.358	0.431	0.438	10.50
25)	Isophorone	0.796	0.760	0.701	0.728	0.707	0.718	0.733	0.735	4.53
26) C	2-Nitrophenol	0.167	0.181	0.187	0.178	0.171	0.190	0.197	0.182	5.94
27)	2,4-Dimethylph...	0.354	0.324	0.315	0.302	0.296	0.311	0.266	0.310	8.67
28)	bis(2-Chloroet...	0.450	0.416	0.374	0.431	0.422	0.385	0.345	0.403	9.10
29) C	2,4-Dichloroph...	0.288	0.288	0.284	0.265	0.259	0.268	0.259	0.273	4.89
30)	1,2,4-Trichlor...	0.351	0.320	0.302	0.284	0.279	0.290	0.294	0.303	8.21
31)	Naphthalene	1.157	1.030	1.034	0.939	0.911	0.862	0.909	0.977	10.42
32)	Benzoic acid	0.143	0.191	0.189	0.181	0.198	0.205	0.185	11.80	
33)	4-Chloroaniline	0.456	0.410	0.392	0.420	0.405	0.377	0.382	0.406	6.58
34) C	Hexachlorobuta...	0.209	0.183	0.168	0.161	0.157	0.162	0.165	0.172	10.63
35)	Caprolactam	0.084	0.091	0.097	0.092	0.090	0.089	0.095	0.091	4.61
36) C	4-Chloro-3-met...	0.366	0.350	0.322	0.319	0.312	0.326	0.311	0.329	6.32
37)	2-Methylnaphth...	0.767	0.668	0.597	0.591	0.571	0.610	0.571	0.625	11.30

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF051716.M

38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.645	0.622	0.615	0.539	0.543	0.549	0.576	0.584	7.36
40) P	Hexachlorocycl...		0.090	0.138	0.215	0.207	0.222	0.224	0.182	30.54
41) S	2,4,6-Tribromo...	0.224	0.219	0.220	0.238	0.231	0.229	0.186	0.221	7.53
42) C	2,4,6-Trichlor...	0.378	0.368	0.392	0.383	0.373	0.379	0.379	0.379	1.96
43)	2,4,5-Trichlor...	0.433	0.388	0.390	0.404	0.397	0.386	0.356	0.394	5.90
44) S	2-Fluorobiphenyl		1.409	1.223	1.263	1.224	1.035	1.091	1.208	10.97
45)	1,1'-Biphenyl	1.918	1.829	1.717	1.562	1.527	1.663	1.392	1.658	10.93
46)	2-Chloronaphth...	1.381	1.336	1.318	1.196	1.201	1.278	1.201	1.273	5.93
47)	2-Nitroaniline	0.456	0.480	0.492	0.508	0.490	0.462	0.528	0.488	5.19
48)	Acenaphthylene	2.263	2.030	2.060	1.787	1.734	1.873	1.861	1.944	9.47
49)	Dimethylphthalate	1.657	1.610	1.458	1.506	1.499	1.496	1.454	1.526	5.08
50)	2,6-Dinitrotol...	0.338	0.312	0.362	0.357	0.357	0.322	0.270	0.331	9.94
51) C	Acenaphthene	1.414	1.264	1.295	1.076	1.081	1.215	1.156	1.215	10.03
52)	3-Nitroaniline	0.345	0.346	0.384	0.373	0.369	0.374	0.320	0.359	6.28
53) P	2,4-Dinitrophenol		0.100	0.146	0.194	0.190	0.178	0.189	0.166	22.21
54)	Dibenzofuran	1.858	1.677	1.646	1.424	1.396	1.510	1.483	1.571	10.49
55) P	4-Nitrophenol	0.102	0.100	0.142	0.186	0.177	0.225		0.155	32.02
56)	2,4-Dinitrotol...	0.441	0.440	0.392	0.444	0.445	0.363	0.445	0.424	7.83
57)	Fluorene		1.455	1.441	1.141	1.126	1.170	1.238	1.262	11.82
58)	2,3,4,6-Tetrac...	0.311	0.325	0.303	0.315	0.314	0.305	0.273	0.307	5.35
59)	Diethylphthalate	1.618	1.489	1.461	1.552	1.506	1.341	1.229	1.457	9.04
60)	4-Chlorophenyl...		0.667	0.599	0.647	0.642	0.567	0.467	0.598	12.31
61)	4-Nitroaniline	0.305	0.358	0.358	0.409	0.376	0.333	0.341	0.354	9.33
62)	Azobenzene	1.988	1.791	1.594	1.726	1.704	1.598	1.349	1.678	11.75
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.107	0.137	0.142	0.140	0.129	0.135	0.132	9.92
65) c	n-Nitrosodiphe...	0.662	0.706	0.617	0.660	0.643	0.539	0.579	0.629	8.93
66)	4-Bromophenyl-...	0.222	0.224	0.218	0.188	0.186	0.198	0.202	0.206	7.71
67)	Hexachlorobenzene	0.271	0.252	0.239	0.254	0.243	0.208	0.201	0.238	10.60
68)	Atrazine	0.219	0.215	0.225	0.213	0.193	0.166		0.205	10.74
69) C	Pentachlorophenol		0.066	0.088	0.100	0.098	0.096	0.091	0.090	14.02
70)	Phenanthrene	1.296	1.229	1.074	1.126	1.078	0.946	0.844	1.085	14.30
71)	Anthracene	1.253	1.227	1.231	0.969	0.952	1.030	1.018	1.097	12.20
72)	Carbazole	1.131	1.113	0.993	1.037	1.014	0.946	0.782	1.002	11.66
73)	Di-n-butylphth...	1.199	1.233	1.181	1.224	1.187	1.082	0.952	1.151	8.74
74) C	Fluoranthene	1.245	1.216	1.200	1.060	1.026	0.902	0.959	1.087	12.42
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.486	0.682	0.605	0.563	0.542	0.445	0.362	0.526	20.09
77)	Pyrene	1.619	1.511	1.490	1.473	1.519	1.290	1.211	1.445	9.86
78) S	Terphenyl-d14	1.011	0.910	0.961	0.785	0.801	0.840	0.882	0.884	9.38
79)	Butylbenzylpht...	0.541	0.604	0.665	0.671	0.664	0.589	0.535	0.610	9.60
80)	Benzo(a)anthra...	1.380	1.261	1.229	1.095	1.112	1.017	1.000	1.156	12.02
81)	3,3'-Dichlorob...	0.776	0.836	0.814	0.711	0.722	0.710	0.583	0.736	11.44
82)	Chrysene	1.207	1.203	1.263	1.101	1.111	0.971	0.975	1.119	10.22

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
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83)	Bis(2-ethylhex...	0.738	0.789	0.849	0.757	0.772	0.680	0.610	0.742	10.46
84) c	Di-n-octyl pht...	1.283	1.406	1.457	1.236	1.246	1.191	1.133	1.279	9.03
85)	Indeno(1,2,3-c...	1.006	1.005	1.000	0.973	0.961	0.927	1.003	0.982	3.07
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.585	1.304	1.138	1.121	1.532	1.281	1.327		14.68
88)	Benzo(k)fluora...	1.004	0.931	1.074	1.157	1.133	0.823	0.791	0.988	14.68
89) C	Benzo(a)pyrene	1.255	1.159	1.101	1.110	1.084	1.077	0.977	1.109	7.64
90)	Dibenzo(a,h)an...	0.965	0.909	0.888	0.935	0.912	0.960	0.967	0.934	3.37
91)	Benzo(g,h,i)pe...	0.928	0.892	0.885	0.969	0.937	0.991	1.000	0.943	4.81

(#) = Out of Range