

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF060517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jun 05 16:15:31 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF095668.D 10 =BF095669.D 25 =BF095670.D 40 =BF095671.D 50 =BF095672.D 60 =BF095673.D 80 =BF095674.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.652	0.553	0.545	0.623	0.557	0.608	0.640	0.597	7.49
3)	Pyridine	1.300	1.245	1.461	1.344	1.499	1.570	1.403		9.00
4)	n-Nitrosodimet...	0.477	0.442	0.550	0.533	0.585	0.614	0.534		12.17
5) S	2-Fluorophenol	1.088	1.290	1.250	1.378	1.239	1.266	1.276	1.255	6.91
6)	Aniline	1.863	1.960	2.061	2.091	1.904	1.934	1.948	1.966	4.19
7) S	Phenol-d6	1.297	1.517	1.591	1.640	1.490	1.487	1.497	1.503	7.16
8)	2-Chlorophenol	1.280	1.344	1.398	1.449	1.313	1.280	1.278	1.335	5.01
9)	Benzaldehyde	0.994	1.075	1.090	1.074	0.972	0.964	0.925	1.014	6.45
10) C	Phenol	1.410	1.415	1.673	1.739	1.546	1.564	1.563	1.559	7.79
11)	bis(2-Chloroet...	1.084	1.329	1.340	1.344	1.204	1.187	1.155	1.235	8.37
12)	1,3-Dichlorobe...	1.502	1.527	1.550	1.530	1.515	1.470	1.478	1.511	1.92
13) C	1,4-Dichlorobe...	1.432	1.580	1.608	1.574	1.528	1.510	1.491	1.532	3.95
14)	1,2-Dichlorobe...	1.346	1.515	1.425	1.463	1.392	1.379	1.365	1.412	4.24
15)	Benzyl Alcohol	0.863	1.039	1.052	1.091	1.063	1.048	1.063	1.031	7.39
16)	2,2'-oxybis(1-...	1.689	1.791	1.736	1.802	1.694	1.725	1.707	1.735	2.61
17)	2-Methylphenol	1.063	1.152	1.120	1.167	1.108	1.113	1.118	1.120	2.97
18)	Hexachloroethane	0.477	0.527	0.515	0.525	0.508	0.496	0.494	0.506	3.60
19) P	n-Nitroso-di-n...	0.864	0.942	0.967	1.003	0.966	0.967	0.955	0.952	4.53
20)	3+4-Methylphenols	1.170	1.499	1.457	1.487	1.464	1.442	1.433	1.422	7.97
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.416	0.471	0.465	0.476	0.510	0.470	0.469	0.468	5.87
23) S	Nitrobenzene-d5	0.304	0.328	0.316	0.328	0.339	0.320	0.319	0.322	3.48
24)	Nitrobenzene	0.343	0.354	0.337	0.347	0.358	0.339	0.330	0.344	2.84
25)	Isophorone	0.579	0.603	0.589	0.604	0.631	0.596	0.606	0.601	2.69
26) C	2-Nitrophenol	0.140	0.182	0.184	0.189	0.195	0.187	0.185	0.180	10.21
27)	2,4-Dimethylph...	0.260	0.295	0.286	0.283	0.276	0.281	0.276	0.280	3.82
28)	bis(2-Chloroet...	0.377	0.412	0.398	0.407	0.390	0.396	0.393	0.396	2.91
29) C	2,4-Dichloroph...	0.253	0.256	0.281	0.275	0.270	0.277	0.272	0.269	3.96
30)	1,2,4-Trichlor...	0.276	0.291	0.292	0.282	0.274	0.274	0.274	0.280	2.88
31)	Naphthalene	1.072	1.053	1.021	0.998	0.969	0.961	0.952	1.004	4.65
32)	Benzoic acid	0.110	0.152	0.171	0.172	0.179	0.185	0.161		17.09
33)	4-Chloroaniline	0.384	0.412	0.393	0.394	0.390	0.386	0.386	0.392	2.47
34) C	Hexachlorobuta...	0.144	0.152	0.142	0.145	0.143	0.145	0.142	0.145	2.41
35)	Caprolactam	0.063	0.083	0.080	0.085	0.083	0.084	0.083	0.080	9.47
36) C	4-Chloro-3-met...	0.260	0.298	0.291	0.289	0.281	0.280	0.274	0.282	4.37
37)	2-Methylnaphth...	0.719	0.739	0.694	0.672	0.653	0.643	0.628	0.678	6.04

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.568	0.620	0.607	0.635	0.595	0.583	0.582	0.599	3.96
40) P	Hexachlorocycl...		0.045	0.102	0.153	0.160	0.174	0.195	0.138	40.02
41) S	2,4,6-Tribromo...	0.173	0.182	0.181	0.181	0.175	0.177	0.169	0.177	2.76
42) C	2,4,6-Trichlor...	0.335	0.384	0.396	0.417	0.387	0.386	0.389	0.385	6.40
43)	2,4,5-Trichlor...	0.383	0.400	0.412	0.457	0.408	0.403	0.403	0.409	5.60
44) S	2-Fluorobiphenyl	1.559	1.562	1.469	1.484	1.359	1.332	1.295	1.437	7.55
45)	1,1'-Biphenyl	1.720	1.755	1.717	1.740	1.585	1.541	1.481	1.648	6.70
46)	2-Chloronaphth...	1.348	1.348	1.320	1.359	1.237	1.211	1.192	1.288	5.58
47)	2-Nitroaniline	0.330	0.373	0.381	0.428	0.380	0.375	0.371	0.377	7.57
48)	Acenaphthylene	2.291	2.301	2.266	2.370	2.132	2.067	1.990	2.202	6.37
49)	Dimethylphthalate	1.522	1.523	1.492	1.617	1.511	1.471	1.492	1.519	3.13
50)	2,6-Dinitrotol...	0.313	0.343	0.340	0.368	0.330	0.317	0.308	0.331	6.38
51) C	Acenaphthene	1.288	1.342	1.307	1.277	1.253	1.224	1.214	1.272	3.57
52)	3-Nitroaniline	0.368	0.389	0.396	0.393	0.393	0.383	0.380	0.386	2.54
53) P	2,4-Dinitrophenol		0.103	0.142	0.166	0.179	0.178	0.191	0.160	20.22
54)	Dibenzofuran	1.841	1.883	1.829	1.797	1.761	1.719	1.700	1.790	3.74
55) P	4-Nitrophenol		0.144	0.182	0.218	0.216	0.220	0.226	0.201	15.99
56)	2,4-Dinitrotol...	0.398	0.453	0.453	0.464	0.460	0.453	0.450	0.447	4.96
57)	Fluorene	1.656	1.614	1.609	1.568	1.527	1.477	1.454	1.558	4.81
58)	2,3,4,6-Tetrac...	0.248	0.260	0.287	0.293	0.288	0.291	0.294	0.280	6.55
59)	Diethylphthalate	1.547	1.493	1.480	1.481	1.435	1.404	1.390	1.461	3.76
60)	4-Chlorophenyl...	0.714	0.706	0.695	0.685	0.662	0.649	0.631	0.677	4.56
61)	4-Nitroaniline	0.316	0.371	0.374	0.374	0.367	0.364	0.356	0.360	5.67
62)	Azobenzene	1.299	1.314	1.336	1.339	1.293	1.295	1.395	1.324	2.74
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.109	0.130	0.137	0.135	0.138	0.139	0.131	8.76
65) c	n-Nitrosodiphe...	0.742	0.757	0.732	0.706	0.709	0.698	0.688	0.719	3.50
66)	4-Bromophenyl-...	0.199	0.214	0.211	0.209	0.208	0.210	0.204	0.208	2.40
67)	Hexachlorobenzene	0.195	0.214	0.210	0.207	0.206	0.197	0.204	0.205	3.33
68)	Atrazine	0.205	0.217	0.206	0.196	0.194	0.190	0.193	0.200	4.75
69) C	Pentachlorophenol		0.051	0.059	0.068	0.070	0.074	0.080	0.067	15.65
70)	Phenanthrene	1.198	1.229	1.192	1.126	1.125	1.125	1.083	1.154	4.56
71)	Anthracene	1.269	1.303	1.250	1.172	1.167	1.149	1.123	1.205	5.69
72)	Carbazole	1.136	1.265	1.256	1.180	1.153	1.112	1.115	1.174	5.42
73)	Di-n-butylphth...	1.151	1.339	1.394	1.268	1.248	1.129	1.215	1.249	7.62
74) C	Fluoranthene	1.136	1.262	1.226	1.144	1.116	1.031	1.081	1.142	6.99
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.809	0.834	0.790	0.757	0.735	0.683	0.768	7.09
77)	Pyrene	1.454	1.550	1.517	1.503	1.474	1.464	1.484	1.492	2.24
78) S	Terphenyl-d14	0.837	0.870	0.830	0.803	0.773	0.766	0.762	0.806	5.11
79)	Butylbenzylphth...	0.580	0.640	0.657	0.676	0.663	0.668	0.678	0.652	5.23
80)	Benzo(a)anthra...	1.180	1.215	1.190	1.181	1.122	1.132	1.119	1.163	3.25
81)	3,3'-Dichlorob...	0.401	0.456	0.447	0.426	0.405	0.391	0.368	0.413	7.58
82)	Chrysene	1.154	1.215	1.196	1.183	1.133	1.132	1.121	1.162	3.12

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83)	Bis(2-ethylhex...	0.796	0.930	0.945	0.949	0.934	0.933	0.949	0.919	6.00
84) c	Di-n-octyl pht...	1.294	1.533	1.657	1.561	1.533	1.544	1.484	1.515	7.31
85)	Indeno(1,2,3-c...	1.066	1.126	1.038	0.941	0.916	0.968	0.905	0.994	8.42
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.223	1.270	1.294	1.313	1.197	1.210	1.260	1.252	3.49
88)	Benzo(k)fluora...	1.264	1.288	1.268	1.163	1.138	1.166	1.093	1.197	6.32
89) C	Benzo(a)pyrene	1.138	1.227	1.251	1.148	1.108	1.107	1.079	1.151	5.60
90)	Dibenzo(a,h)an...	1.109	1.084	0.982	0.922	0.899	0.935	0.903	0.976	8.88
91)	Benzo(g,h,i)pe...	1.014	1.095	1.037	0.935	0.935	0.998	0.954	0.995	5.94

(#) = Out of Range