

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF092815.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Sep 28 18:10:42 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF081842.D 10 =BF081843.D 25 =BF081844.D 40 =BF081845.D 50 =BF081846.D 60 =BF081847.D 80 =BF081848.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.528	0.501	0.455	0.470	0.472	0.449	0.479	0.479	5.69
3)	Pyridine	1.227	1.213	1.188	1.320	1.271	1.214	1.299	1.247	3.96
4)	n-Nitrosodimet...	0.541	0.603	0.565	0.561	0.559	0.546	0.590	0.567	3.98
5) S	2-Fluorophenol	1.260	1.162	1.094	1.076	1.087	1.021	1.014	1.102	7.76
6)	Aniline	2.080	2.012	1.848	1.802	1.789	1.726	1.782	1.863	7.07
7) S	Phenol-d6	1.660	1.565	1.369	1.334	1.300	1.222	1.255	1.386	11.83
8)	2-Chlorophenol	1.448	1.357	1.173	1.157	1.161	1.090	1.131	1.217	10.90
9)	Benzaldehyde	1.107	0.996	0.906	0.867	0.868	0.798	0.814	0.908	12.03
10) C	Phenol	1.777	1.682	1.519	1.554	1.482	1.335	1.536	1.555	9.13
11)	bis(2-Chloroet...	1.517	1.350	1.162	1.103	1.141	1.096	1.073	1.206	13.72
12)	1,3-Dichlorobe...	1.719	1.560	1.452	1.373	1.364	1.279	1.313	1.437	10.80
13) C	1,4-Dichlorobe...	1.843	1.655	1.489	1.441	1.420	1.314	1.341	1.501	12.52
14)	1,2-Dichlorobe...	1.618	1.523	1.300	1.229	1.259	1.188	1.243	1.337	12.38
15)	Benzyl Alcohol	1.139	1.099	1.011	0.971	0.952	0.909	0.924	1.001	8.80
16)	2,2'-oxybis(1-...	2.088	1.876	1.698	1.644	1.610	1.492	1.526	1.705	12.36
17)	2-Methylphenol	1.171	1.037	0.956	0.958	0.967	0.897	0.918	0.986	9.38
18)	Hexachloroethane	0.540	0.514	0.459	0.447	0.456	0.423	0.450	0.470	8.82
19) P	n-Nitroso-di-n...	0.944	0.991	0.804	0.844	0.794	0.702	0.820	0.843	11.49
20)	3+4-Methylphenols	1.521	1.426	1.249	1.182	1.177	1.092	1.075	1.246	13.49
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.497	0.456	0.416	0.404	0.377	0.355	0.358	0.409	12.82
23) S	Nitrobenzene-d5	0.327	0.316	0.303	0.293	0.296	0.292	0.273	0.300	5.80
24)	Nitrobenzene	0.374	0.338	0.326	0.329	0.297	0.290	0.326	0.326	8.49
25)	Isophorone	0.675	0.646	0.565	0.585	0.571	0.552	0.569	0.595	7.83
26) C	2-Nitrophenol	0.148	0.143	0.157	0.164	0.163	0.161	0.160	0.156	5.03
27)	2,4-Dimethylph...	0.303	0.279	0.272	0.279	0.275	0.266	0.251	0.275	5.70
28)	bis(2-Chloroet...	0.391	0.388	0.358	0.332	0.322	0.334	0.348	0.353	7.77
29) C	2,4-Dichloroph...	0.288	0.274	0.268	0.263	0.260	0.260	0.254	0.267	4.23
30)	1,2,4-Trichlor...	0.341	0.326	0.311	0.293	0.281	0.271	0.262	0.298	9.76
31)	Naphthalene	1.112	0.970	0.901	0.826	0.792	0.794	0.808	0.886	13.46
32)	Benzoic acid		0.094	0.126	0.152	0.162	0.173	0.179	0.147	21.87
33)	4-Chloroaniline	0.436	0.401	0.385	0.388	0.377	0.359	0.337	0.383	8.21
34) C	Hexachlorobuta...	0.210	0.189	0.180	0.174	0.164	0.156	0.160	0.176	10.84
35)	Caprolactam	0.069	0.074	0.076	0.073	0.078	0.071	0.075	0.074	4.02
36) C	4-Chloro-3-met...	0.274	0.271	0.263	0.261	0.260	0.259	0.238	0.261	4.38
37)	2-Methylnaphth...	0.716	0.625	0.619	0.607	0.582	0.564	0.522	0.605	10.00

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.738	0.674	0.618	0.591	0.560	0.536	0.582	0.614	11.44
40) P	Hexachlorocycl...		0.265	0.306	0.334	0.333	0.313	0.345	0.316	9.13
41) S	2,4,6-Tribromo...	0.219	0.220	0.194	0.191	0.191	0.195	0.207	0.203	6.46
42) C	2,4,6-Trichlor...	0.456	0.446	0.421	0.421	0.398	0.390	0.414	0.421	5.65
43)	2,4,5-Trichlor...	0.470	0.436	0.418	0.431	0.423	0.413	0.439	0.433	4.40
44) S	2-Fluorobiphenyl	1.643	1.447	1.254	1.238	1.172	1.074	1.002	1.262	17.47
45)	1,1'-Biphenyl	1.883	1.686	1.475	1.467	1.445	1.424	1.422	1.543	11.37
46)	2-Chloronaphth...	1.424	1.287	1.177	1.209	1.186	1.129	1.068	1.212	9.53
47)	2-Nitroaniline	0.365	0.368	0.337	0.337	0.346	0.350	0.386	0.356	5.08
48)	Acenaphthylene	2.349	2.158	1.995	1.827	1.768	1.657	1.821	1.939	12.54
49)	Dimethylphthalate	1.634	1.501	1.302	1.363	1.286	1.166	1.411	1.381	11.10
50)	2,6-Dinitrotol...	0.300	0.316	0.288	0.288	0.303	0.308	0.295	0.300	3.38
51) C	Acenaphthene	1.351	1.276	1.144	1.105	1.036	1.010	1.137	1.151	10.71
52)	3-Nitroaniline	0.362	0.356	0.323	0.357	0.373	0.338	0.318	0.347	6.00
53) P	2,4-Dinitrophenol		0.054	0.086	0.101	0.106	0.116	0.148	0.102	30.55
54)	Dibenzofuran	2.054	1.801	1.657	1.501	1.469	1.391	1.519	1.627	14.22
55) P	4-Nitrophenol	0.213	0.243	0.253	0.261	0.253	0.243	0.288	0.251	9.06
56)	2,4-Dinitrotol...	0.368	0.406	0.358	0.383	0.410	0.397	0.353	0.382	6.08
57)	Fluorene	1.683	1.475	1.309	1.181	1.117	1.071	1.186	1.289	17.03
58)	2,3,4,6-Tetrac...	0.354	0.369	0.338	0.336	0.324	0.320	0.363	0.343	5.55
59)	Diethylphthalate	1.497	1.361	1.277	1.276	1.232	1.147	1.236	1.290	8.66
60)	4-Chlorophenyl...	0.735	0.668	0.554	0.555	0.544	0.541	0.573	0.596	12.66
61)	4-Nitroaniline	0.344	0.347	0.359	0.333	0.365	0.315	0.371	0.348	5.62
62)	Azobenzene	1.429	1.305	1.219	1.219	1.178	1.181	1.279	1.258	7.05
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.062	0.081	0.094	0.089	0.093	0.106	0.087	17.09
65) c	n-Nitrosodiphe...	0.721	0.655	0.629	0.592	0.550	0.510	0.580	0.605	11.56
66)	4-Bromophenyl-...	0.224	0.215	0.197	0.193	0.192	0.188	0.203	0.202	6.55
67)	Hexachlorobenzene	0.271	0.235	0.223	0.230	0.222	0.206	0.206	0.228	9.71
68)	Atrazine	0.196	0.199	0.199	0.181	0.173	0.167	0.200	0.188	7.42
69) C	Pentachlorophenol		0.111	0.124	0.133	0.136	0.135	0.139	0.130	8.05
70)	Phenanthrene	1.376	1.161	1.007	0.938	0.966	0.952	0.950	1.050	15.55
71)	Anthracene	1.251	1.125	1.061	0.978	0.925	0.876	0.898	1.017	13.47
72)	Carbazole	1.078	0.997	0.936	0.912	0.895	0.831	0.790	0.920	10.56
73)	Di-n-butylphth...	1.319	1.142	0.999	0.917	0.913	0.895	0.953	1.020	15.33
74) C	Fluoranthene	1.312	1.178	1.023	0.978	1.003	1.008	0.998	1.071	11.69
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.527	0.621	0.611	0.668	0.617	0.587	0.587	0.603	7.13
77)	Pyrene	1.429	1.316	1.188	1.252	1.134	1.034	1.011	1.195	12.60
78) S	Terphenyl-d14	0.881	0.826	0.715	0.630	0.567	0.562		0.697	19.31
79)	Butylbenzylphth...	0.459	0.435	0.459	0.480	0.442	0.424	0.448	0.450	4.11
80)	Benzo(a)anthra...	1.340	1.177	1.060	1.061	0.970	0.978	0.952	1.077	12.93
81)	3,3'-Dichlorob...	0.383	0.378	0.372	0.389	0.367	0.338	0.320	0.364	6.99
82)	Chrysene	1.263	1.142	1.112	1.014	0.900	0.766		1.033	17.35

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83)	Bis(2-ethylhex...	0.590	0.616	0.567	0.575	0.524	0.518	0.558	0.564	6.18
84) c	Di-n-octyl pht...	0.990	1.010	0.903	0.908	0.865	0.834	0.915	0.918	6.88
85)	Indeno(1,2,3-c...	0.950	0.890	0.836	0.853	0.785	0.765	0.818	0.842	7.50
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.243	1.137	1.292	1.153	1.103	1.032	1.034	1.142	8.62
88)	Benzo(k)fluora...	1.298	1.182	0.873	0.938	0.988	1.001	1.047	1.047	14.02
89) C	Benzo(a)pyrene	1.110	1.035	0.973	0.968	0.954	0.921	0.973	0.990	6.34
90)	Dibenzo(a,h)an...	0.938	0.845	0.819	0.810	0.798	0.780	0.827	0.831	6.21
91)	Benzo(g,h,i)pe...	0.980	0.857	0.829	0.816	0.813	0.807	0.860	0.852	7.06

(#) = Out of Range