

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF110316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Nov 04 11:03:12 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF091004.D 10 =BF091005.D 25 =BF091006.D 40 =BF091007.D 50 =BF091008.D 60 =BF091009.D 80 =BF091010.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.830	0.730	0.712	0.688	0.640	0.624	0.626	0.693	10.63
3)	Pyridine	1.101	1.624	1.831	1.717	1.631	1.738	1.701	1.621	14.78
4)	n-Nitrosodimet...	0.597	0.649	0.682	0.660	0.631	0.627	0.641		4.63
5) S	2-Fluorophenol	1.070	1.277	1.334	1.292	1.168	1.222	1.115	1.211	8.05
6)	Aniline	1.780	2.176	2.179	2.156	1.810	1.800	1.671	1.939	11.42
7) S	Phenol-d6	1.656	1.858	1.838	1.754	1.520	1.463	1.415	1.644	11.01
8)	2-Chlorophenol	1.516	1.538	1.559	1.502	1.337	1.394	1.265	1.445	7.83
9)	Benzaldehyde	1.036	1.031	0.953	0.806	0.735		0.912		14.91
10) C	Phenol	2.016	1.931	2.052	1.835	1.723	1.505	1.672	1.819	10.89
11)	bis(2-Chloroet...	1.707	1.634	1.617	1.568	1.485	1.428	1.292	1.533	9.23
12)	1,3-Dichlorobe...	1.452	1.461	1.498	1.540	1.487	1.464	1.324	1.461	4.60
13) C	1,4-Dichlorobe...	1.729	1.672	1.554	1.575	1.490	1.509	1.445	1.568	6.47
14)	1,2-Dichlorobe...	1.596	1.580	1.596	1.551	1.338	1.248	1.161	1.439	12.87
15)	Benzyl Alcohol	1.175	1.374	1.330	1.213	1.098	0.980	0.946	1.159	14.10
16)	2,2'-oxybis(1-...	2.672	2.513	2.288	2.191	2.014	1.962	1.725	2.195	14.94
17)	2-Methylphenol	1.112	1.199	1.202	1.245	1.078	1.101	1.067	1.144	6.16
18)	Hexachloroethane	0.647	0.630	0.628	0.638	0.594	0.576	0.534	0.607	6.75
19) P	n-Nitroso-di-n...	1.323	1.282	1.124	0.976	0.990		1.139		14.12
20)	3+4-Methylphenols	1.311	1.571	1.532	1.525	1.297	1.175	1.200	1.373	12.13
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.519	0.536	0.480	0.464	0.408	0.416	0.401	0.460	11.77
23) S	Nitrobenzene-d5	0.380	0.405	0.412	0.358	0.352	0.351	0.309	0.367	9.70
24)	Nitrobenzene	0.421	0.461	0.404	0.436	0.372	0.352	0.389	0.405	9.29
25)	Isophorone	0.834	0.772	0.725	0.690	0.643	0.647	0.634	0.706	10.65
26) C	2-Nitrophenol	0.138	0.173	0.175	0.173	0.184	0.189	0.168	0.171	9.50
27)	2,4-Dimethylph...	0.261	0.287	0.286	0.305	0.285	0.270	0.289	0.283	4.98
28)	bis(2-Chloroet...	0.396	0.396	0.415	0.428	0.365	0.355	0.348	0.386	7.92
29) C	2,4-Dichloroph...	0.236	0.251	0.267	0.256	0.238	0.239	0.245	0.247	4.54
30)	1,2,4-Trichlor...	0.270	0.289	0.300	0.290	0.274	0.268	0.256	0.278	5.49
31)	Naphthalene	1.138	1.031	1.013	0.997	0.914	0.846	0.756	0.956	13.37
32)	Benzoic acid	0.144	0.188	0.215	0.218	0.231		0.199		17.43
33)	4-Chloroaniline	0.397	0.406	0.409	0.404	0.399	0.391	0.378	0.398	2.68
34) C	Hexachlorobuta...	0.153	0.150	0.150	0.149	0.145	0.150	0.154	0.150	2.03
35)	Caprolactam	0.075	0.082	0.089	0.078	0.073	0.075	0.071	0.078	7.93
36) C	4-Chloro-3-met...	0.323	0.336	0.302	0.316	0.279	0.253	0.287	0.299	9.56
37)	2-Methylnaphth...	0.665	0.693	0.652	0.605	0.562	0.572	0.554	0.615	9.03

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.435	0.481	0.559	0.574	0.515	0.514	0.492	0.510	9.24
40) P	Hexachlorocycl...		0.081	0.147	0.174	0.191	0.195	0.196	0.164	27.31
41) S	2,4,6-Tribromo...		0.155	0.183	0.173	0.198	0.205	0.170	0.181	10.26
42) C	2,4,6-Trichlor...	0.275	0.302	0.346	0.361	0.331	0.342	0.348	0.329	9.13
43)	2,4,5-Trichlor...	0.314	0.318	0.347	0.368	0.363	0.351	0.359	0.346	6.24
44) S	2-Fluorobiphenyl	1.260	1.350	1.216	1.158	1.163	1.087	0.896	1.162	12.39
45)	1,1'-Biphenyl	1.427	1.521	1.689	1.532	1.313	1.336	1.404	1.460	8.96
46)	2-Chloronaphth...	1.032	1.091	1.256	1.184	1.049	1.038	1.110	1.109	7.56
47)	2-Nitroaniline	0.353	0.412	0.450	0.464	0.401	0.384	0.417	0.411	9.15
48)	Acenaphthylene	1.751	1.826	2.007	1.758	1.563	1.617	1.573	1.728	9.22
49)	Dimethylphthalate	1.352	1.343	1.398	1.320	1.269	1.349	1.149	1.311	6.21
50)	2,6-Dinitrotol...	0.223	0.279	0.311	0.270	0.321	0.311	0.253	0.281	12.70
51) C	Acenaphthene	1.113	1.151	1.198	1.049	1.030	1.052	1.000	1.085	6.58
52)	3-Nitroaniline	0.279	0.342	0.364	0.347	0.334	0.370	0.298	0.333	10.07
53) P	2,4-Dinitrophenol		0.091	0.114	0.131	0.150	0.149	0.154	0.132	18.79
54)	Dibenzofuran	1.473	1.555	1.610	1.438	1.384	1.430	1.332	1.460	6.57
55) P	4-Nitrophenol		0.119	0.179	0.206	0.203	0.223		0.186	21.74
56)	2,4-Dinitrotol...	0.317	0.378	0.365	0.406	0.360	0.323	0.353	0.358	8.66
57)	Fluorene	1.219	1.290	1.412	1.219	1.030	1.103	1.082	1.194	11.11
58)	2,3,4,6-Tetrac...	0.218	0.250	0.282	0.311	0.284	0.275	0.275	0.271	10.84
59)	Diethylphthalate	1.500	1.391	1.446	1.406	1.184	1.223	1.262	1.345	9.01
60)	4-Chlorophenyl...	0.515	0.543	0.573	0.600	0.571	0.547	0.454	0.543	8.78
61)	4-Nitroaniline	0.267	0.315	0.364	0.364	0.351	0.340	0.359	0.337	10.53
62)	Azobenzene	1.771	1.781	1.679	1.584	1.564	1.474	1.228	1.583	12.16
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.094	0.122	0.122	0.132	0.118	0.146	0.122	14.11
65) c	n-Nitrosodiphe...	0.610	0.672	0.716	0.606	0.648	0.644	0.554	0.636	8.18
66)	4-Bromophenyl-...	0.197	0.211	0.212	0.192	0.204	0.210	0.230	0.208	5.91
67)	Hexachlorobenzene	0.212	0.218	0.252	0.242	0.220	0.214	0.248	0.229	7.46
68)	Atrazine	0.191	0.213	0.180	0.206	0.170	0.140		0.183	14.49
69) C	Pentachlorophenol		0.082	0.103	0.105	0.104	0.104	0.111	0.102	10.03
70)	Phenanthrene	1.188	1.157	1.176	1.136	0.978	0.901	0.906	1.063	12.18
71)	Anthracene	1.233	1.258	1.195	1.063	1.103	1.098	0.961	1.130	9.29
72)	Carbazole	1.068	1.146	1.089	0.956	0.937	0.975	0.959	1.019	7.99
73)	Di-n-butylphth...	1.370	1.411	1.409	1.371	1.221	1.154	1.033	1.281	11.51
74) C	Fluoranthene	1.178	1.216	1.131	1.041	1.109	1.059	0.983	1.103	7.34
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.415	0.463	0.440	0.487	0.467	0.436	0.420	0.447	5.96
77)	Pyrene	1.263	1.316	1.253	1.198	1.372	1.494	1.272	1.310	7.44
78) S	Terphenyl-d14	0.810	0.836	0.756	0.840	0.888	0.830	0.650	0.801	9.67
79)	Butylbenzylphth...	0.596	0.644	0.629	0.627	0.611	0.645	0.634	0.627	2.83
80)	Benzo(a)anthra...	1.122	1.198	1.159	1.131	1.174	1.188	0.977	1.136	6.62
81)	3,3'-Dichlorob...	0.375	0.381	0.379	0.399	0.457	0.446	0.355	0.399	9.57
82)	Chrysene	1.130	1.070	1.015	1.162	1.275	1.201	0.985	1.120	9.23

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83)	Bis(2-ethylhex...	0.860	0.882	0.899	0.873	0.848	0.874	0.699	0.848	7.97
84) c	Di-n-octyl pht...	1.371	1.419	1.517	1.482	1.431	1.368	1.170	1.394	8.07
85)	Indeno(1,2,3-c...	0.883	0.948	0.856	0.891	0.985	1.009	0.931	0.929	6.05
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.153	1.180	1.576	1.506	1.275	1.247	1.559	1.356	13.54
88)	Benzo(k)fluora...	1.246	1.283	1.117	1.190	1.315	1.326	0.853	1.190	13.94
89) C	Benzo(a)pyrene	1.183	1.173	1.216	1.281	1.143	1.116	1.154	1.181	4.59
90)	Dibenzo(a,h)an...	0.908	1.010	1.026	1.078	1.034	1.054	1.036	1.021	5.32
91)	Benzo(g,h,i)pe...	0.861	0.937	0.910	0.973	0.914	0.938	0.929	0.923	3.73

(#) = Out of Range