

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF012417.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jan 24 13:48:07 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF092418.D 10 =BF092419.D 25 =BF092420.D 40 =BF092421.D 50 =BF092422.D 60 =BF092423.D 80 =BF092424.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.756	0.645	0.683	0.675	0.684	0.680	0.662	0.684	5.10
3)	Pyridine	1.756	1.948	2.031	1.920	2.002	2.006	1.961	1.946	4.74
4)	n-Nitrosodimet...	0.955	0.909	0.935	0.956	0.984	0.979	0.964	0.955	2.72
5) S	2-Fluorophenol	1.455	1.385	1.239	1.256	1.313	1.249	1.103	1.285	8.82
6)	Aniline	2.511	2.556	2.456	2.476	2.426	2.348	2.323	2.442	3.44
7) S	Phenol-d6	1.751	1.810	1.650	1.618	1.587	1.625	1.420	1.637	7.61
8)	2-Chlorophenol	1.433	1.390	1.430	1.355	1.290	1.250	1.303	1.350	5.29
9)	Benzaldehyde	1.322	1.279	1.194	1.126	1.135	1.103	0.976	1.162	9.96
10) C	Phenol	2.157	2.272	1.866	2.051	1.809	2.047	1.633	1.976	11.11
11)	bis(2-Chloroet...	1.759	1.508	1.460	1.553	1.324	1.305	1.443	1.479	10.37
12)	1,3-Dichlorobe...	1.856	1.671	1.713	1.601	1.501	1.442	1.395	1.597	10.23
13) C	1,4-Dichlorobe...	1.766	1.661	1.674	1.678	1.596	1.542	1.333	1.607	8.69
14)	1,2-Dichlorobe...	1.796	1.676	1.526	1.428	1.450	1.430	1.367	1.525	10.19
15)	Benzyl Alcohol	1.291	1.307	1.242	1.249	1.296	1.227	1.025	1.234	7.86
16)	2,2'-oxybis(1-...	3.272	3.080	3.017	2.904	2.778	2.739	2.684	2.925	7.22
17)	2-Methylphenol	1.119	1.136	1.214	1.173	1.153	1.145	1.135	1.154	2.70
18)	Hexachloroethane	0.573	0.533	0.574	0.570	0.558	0.549	0.519	0.554	3.89
19) P	n-Nitroso-di-n...	1.162	1.183	1.091	1.084	1.111	1.121	1.052	1.115	4.07
20)	3+4-Methylphenols	1.610	1.553	1.434	1.486	1.260	1.218	1.238	1.400	11.49
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.579	0.503	0.473	0.481	0.447	0.375	0.476		14.05
23) S	Nitrobenzene-d5	0.355	0.381	0.397	0.364	0.357	0.363	0.345	0.366	4.76
24)	Nitrobenzene	0.370	0.421	0.377	0.411	0.390	0.365	0.352	0.384	6.48
25)	Isophorone	0.793	0.786	0.709	0.712	0.688	0.685	0.678	0.721	6.64
26) C	2-Nitrophenol	0.139	0.145	0.156	0.173	0.175	0.176	0.161		10.10
27)	2,4-Dimethylph...	0.382	0.367	0.323	0.326	0.335	0.322	0.284	0.334	9.66
28)	bis(2-Chloroet...	0.559	0.547	0.459	0.439	0.466	0.458	0.387	0.474	12.76
29) C	2,4-Dichloroph...	0.307	0.313	0.289	0.285	0.290	0.286	0.259	0.290	6.04
30)	1,2,4-Trichlor...	0.360	0.347	0.322	0.294	0.291	0.290	0.288	0.313	9.67
31)	Naphthalene	1.209	1.194	0.988	0.963	0.976	0.951	0.885	1.024	12.30
32)	Benzoic acid	0.160	0.207	0.251	0.258	0.251	0.260	0.231		17.36
33)	4-Chloroaniline	0.494	0.497	0.419	0.405	0.421	0.414	0.382	0.433	10.26
34) C	Hexachlorobuta...	0.201	0.191	0.186	0.169	0.160	0.153	0.139	0.171	13.09
35)	Caprolactam	0.091	0.095	0.089	0.098	0.106	0.097	0.101	0.097	6.18
36) C	4-Chloro-3-met...	0.292	0.328	0.334	0.323	0.332	0.298	0.281	0.313	6.99
37)	2-Methylnaphth...	0.769	0.766	0.654	0.596	0.590	0.585	0.577	0.648	13.14

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.554	0.526	0.547	0.530	0.486	0.464	0.424	0.504	9.51
40) P	Hexachlorocycl...	0.229	0.244	0.267	0.275	0.256	0.250	0.247	0.253	6.03
41) S	2,4,6-Tribromo...	0.136	0.143	0.138	0.139	0.143	0.139	0.118	0.136	6.35
42) C	2,4,6-Trichlor...	0.392	0.412	0.382	0.387	0.388	0.385	0.360	0.387	3.93
43)	2,4,5-Trichlor...	0.317	0.362	0.349	0.381	0.365	0.356	0.345	0.354	5.63
44) S	2-Fluorobiphenyl	1.302	1.098	1.140	1.074	1.024	0.851	1.082		13.64
45)	1,1'-Biphenyl	1.732	1.616	1.441	1.356	1.360	1.359	1.256	1.446	11.64
46)	2-Chloronaphth...	1.343	1.267	1.164	1.179	1.151	1.149	1.012	1.181	8.77
47)	2-Nitroaniline	0.353	0.370	0.405	0.444	0.441	0.373	0.398		9.65
48)	Acenaphthylene	1.856	1.826	1.846	1.781	1.613	1.541	1.662	1.732	7.27
49)	Dimethylphthalate	1.450	1.406	1.224	1.344	1.134	1.118	1.226	1.272	10.24
50)	2,6-Dinitrotol...	0.196	0.249	0.266	0.299	0.256	0.252	0.301	0.260	13.62
51) C	Acenaphthene	1.220	1.143	1.121	1.020	0.976	1.007	1.046	1.076	8.14
52)	3-Nitroaniline	0.240	0.332	0.315	0.395	0.333	0.302	0.362	0.326	14.94
53) P	2,4-Dinitrophenol	0.020	0.053	0.095	0.106	0.143	0.141		0.093	52.32
54)	Dibenzofuran	1.687	1.584	1.523	1.411	1.302	1.333	1.389	1.461	9.64
55) P	4-Nitrophenol	0.204	0.271	0.305	0.262	0.238	0.271	0.259		13.19
56)	2,4-Dinitrotol...	0.301	0.361	0.345	0.354	0.393	0.316	0.345		9.57
57)	Fluorene	1.332	1.171	1.031	1.009	0.984	0.975	1.084		13.01
58)	2,3,4,6-Tetrac...	0.255	0.267	0.290	0.269	0.255	0.253	0.266	0.265	4.82
59)	Diethylphthalate	1.273	1.313	1.272	1.206	1.216	1.228	1.028	1.220	7.60
60)	4-Chlorophenyl...	0.615	0.574	0.535	0.542	0.504	0.497	0.410	0.526	12.36
61)	4-Nitroaniline	0.255	0.301	0.328	0.345	0.335	0.362	0.354	0.326	11.33
62)	Azobenzene	1.425	1.361	1.432	1.494	1.430	1.378	1.196	1.388	6.83
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.067	0.084	0.108	0.107	0.119	0.109	0.099		19.62
65) c	n-Nitrosodiphe...	0.691	0.705	0.695	0.575	0.558	0.559	0.589	0.625	11.00
66)	4-Bromophenyl-...	0.220	0.223	0.213	0.194	0.195	0.199	0.169	0.202	9.25
67)	Hexachlorobenzene	0.240	0.234	0.207	0.189	0.190	0.178	0.190	0.204	11.85
68)	Atrazine	0.218	0.226	0.217	0.217	0.217	0.216	0.185	0.214	6.04
69) C	Pentachlorophenol	0.104	0.130	0.141	0.135	0.132	0.137	0.135	0.131	9.44
70)	Phenanthrene	1.336	1.254	1.167	1.047	0.968	1.014	0.924	1.101	14.00
71)	Anthracene	1.336	1.144	1.021	1.053	0.994	0.910	1.076		13.78
72)	Carbazole	1.225	1.133	1.054	1.021	0.946	0.963	0.852	1.028	12.10
73)	Di-n-butylphth...	1.221	1.398	1.247	1.112	1.116	1.024	1.109	1.175	10.51
74) C	Fluoranthene	1.316	1.216	0.997	0.970	0.958	1.008	1.077		13.96
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.687	0.756	0.766	0.785	0.785	0.756	0.662	0.742	6.51
77)	Pyrene	1.574	1.512	1.586	1.282	1.430	1.206	1.553	1.449	10.42
78) S	Terphenyl-d14	0.871	0.829	0.791	0.662	0.724	0.618	0.762	0.751	11.99
79)	Butylbenzylphth...	0.435	0.514	0.613	0.615	0.678	0.592	0.663	0.587	14.61
80)	Benzo(a)anthra...	1.274	1.138	1.119	1.016	1.081	0.943	0.953	1.075	10.82
81)	3,3'-Dichlorob...	0.408	0.420	0.433	0.417	0.440	0.378	0.361	0.408	7.10
82)	Chrysene	1.254	1.216	1.243	1.043	1.171	1.021	1.088	1.148	8.43

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83)	Bis(2-ethylhex...	0.735	0.774	0.777	0.729	0.749	0.701	0.711	0.739	3.95
84) c	Di-n-octyl pht...	1.121	1.278	1.372	1.430	1.547	1.340	1.307	1.342	9.85
85)	Indeno(1,2,3-c...	0.914	0.870	0.779	0.823	0.891	0.784	0.884	0.849	6.36
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.455	1.182	1.333	1.334	1.174	1.285	1.224	1.284	7.81
88)	Benzo(k)fluora...	0.988	1.247	1.044	0.954	1.126	1.051	1.063	1.068	9.01
89) C	Benzo(a)pyrene	1.071	1.122	1.114	1.079	1.092	1.060	1.064	1.086	2.22
90)	Dibenzo(a,h)an...	0.895	0.881	0.814	0.849	0.849	0.892	0.967	0.878	5.55
91)	Benzo(g,h,i)pe...	0.935	0.892	0.808	0.823	0.834	0.910	1.015	0.888	8.25

(#) = Out of Range