

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF122215.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Dec 22 18:54:09 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF083991.D 10 =BF083992.D 25 =BF083993.D 40 =BF083994.D 50 =BF083995.D 60 =BF083996.D 80 =BF083997.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.604	0.599	0.536	0.506	0.663	0.496	0.505	0.558	11.51
3)	Pyridine	1.208	1.196	1.166	1.657	1.217	1.183	1.271		14.92
4)	n-Nitrosodimet...	0.429	0.424	0.437	0.433	0.618	0.488	0.479	0.472	14.59
5) S	2-Fluorophenol	1.333	1.119	1.217	1.113	1.388	1.036	1.005	1.173	12.43
6)	Aniline	2.408	2.034	1.934	1.690	1.773	1.789	1.733	1.909	13.14
7) S	Phenol-d6	1.499	1.527	1.385	1.324	1.298	1.322	1.299	1.379	6.96
8)	2-Chlorophenol	1.603	1.343	1.369	1.279	1.275	1.234	1.353	1.351	8.98
9)	Benzaldehyde	0.954	1.103	0.953	0.907	0.896	0.862	0.773	0.921	10.98
10) C	Phenol	2.026	1.649	1.644	1.484	1.384	1.460	1.520	1.595	13.34
11)	bis(2-Chloroet...	1.508	1.227	1.182	1.197	1.118	1.120	1.183	1.219	10.94
12)	1,3-Dichlorobe...	1.697	1.518	1.494	1.418	1.496	1.441	1.442	1.501	6.25
13) C	1,4-Dichlorobe...	1.540	1.571	1.464	1.444	1.379	1.388	1.472	1.465	4.87
14)	1,2-Dichlorobe...	1.614	1.445	1.531	1.427	1.403	1.209	1.177	1.401	11.35
15)	Benzyl Alcohol	1.039	1.110	1.098	1.153	1.134	0.988	1.078	1.086	5.23
16)	2,2'-oxybis(1-...	1.227	1.251	1.263	1.223	1.160	1.036	1.081	1.177	7.50
17)	2-Methylphenol	1.179	1.173	1.133	1.026	1.005	0.956	1.060	1.076	8.10
18)	Hexachloroethane	0.547	0.550	0.577	0.488	0.551	0.518	0.531	0.537	5.29
19) P	n-Nitroso-di-n...	0.843	0.834	0.896	0.790	0.856	0.769	0.862	0.836	5.21
20)	3+4-Methylphenols	1.491	1.394	1.393	1.285	1.270	1.177	1.284	1.328	7.85
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.479	0.464	0.492	0.514	0.449	0.457	0.430	0.469	6.01
23) S	Nitrobenzene-d5	0.312	0.337	0.326	0.326	0.342	0.339	0.296	0.326	5.04
24)	Nitrobenzene	0.303	0.343	0.364	0.353	0.317	0.329	0.340	0.336	6.24
25)	Isophorone	0.597	0.585	0.637	0.657	0.587	0.645	0.610	0.617	4.75
26) C	2-Nitrophenol	0.162	0.184	0.170	0.216	0.184	0.182	0.166	0.181	9.98
27)	2,4-Dimethylph...	0.310	0.304	0.316	0.385	0.308	0.292	0.289	0.315	10.36
28)	bis(2-Chloroet...	0.384	0.366	0.357	0.442	0.395	0.391	0.340	0.382	8.62
29) C	2,4-Dichloroph...	0.299	0.264	0.257	0.316	0.277	0.290	0.266	0.281	7.62
30)	1,2,4-Trichlor...	0.288	0.290	0.277	0.326	0.298	0.289	0.285	0.293	5.38
31)	Naphthalene	1.111	1.062	1.059	1.026	0.962	0.984	0.948	1.022	5.83
32)	Benzoic acid	0.088	0.121	0.153	0.139	0.144	0.155	0.133		19.07
33)	4-Chloroaniline	0.449	0.392	0.406	0.474	0.425	0.427	0.351	0.418	9.53
34) C	Hexachlorobuta...	0.190	0.178	0.185	0.180	0.178	0.169	0.148	0.175	7.71
35)	Caprolactam	0.081	0.070	0.087	0.091	0.087	0.099	0.077	0.084	11.34
36) C	4-Chloro-3-met...	0.290	0.250	0.269	0.351	0.322	0.297	0.326	0.301	11.67
37)	2-Methylnaphth...	0.665	0.565	0.719	0.787	0.688	0.615	0.593	0.662	11.70

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38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	0.526	0.566	0.674	0.639	0.643	0.625	0.535	0.601	9.66
40)	P	Hexachlorocycl...		0.041	0.111	0.144	0.161	0.187	0.194	0.140	40.74
41)	S	2,4,6-Tribromo...	0.151	0.187	0.209	0.194	0.191	0.195	0.220	0.192	11.30
42)	C	2,4,6-Trichlor...	0.311	0.327	0.452	0.371	0.388	0.372	0.314	0.362	13.85
43)		2,4,5-Trichlor...	0.317	0.341	0.468	0.397	0.386	0.396	0.333	0.377	13.70
44)	S	2-Fluorobiphenyl	1.457	1.463	1.860	1.491	1.423	1.224		1.486	13.92
45)		1,1'-Biphenyl	1.840	1.820	2.081	1.725	1.747	1.799	1.364	1.768	12.05
46)		2-Chloronaphth...	1.262	1.230	1.567	1.329	1.317	1.191	1.013	1.273	13.15
47)		2-Nitroaniline	0.320	0.311	0.437	0.356	0.336	0.319	0.350	0.347	12.41
48)		Acenaphthylene	2.073	1.978	2.135	2.114	2.085	1.924	1.800	2.016	6.02
49)		Dimethylphthalate	1.744	1.543	1.935	1.402	1.427	1.510	1.395	1.565	12.96
50)		2,6-Dinitrotol...	0.321	0.338	0.422	0.298	0.304	0.341	0.289	0.330	13.57
51)	C	Acenaphthene	1.242	1.195	1.233	1.228	1.201	1.198	1.093	1.198	4.18
52)		3-Nitroaniline	0.328	0.333	0.391	0.345	0.327	0.397	0.334	0.351	8.57
53)	P	2,4-Dinitrophenol		0.070	0.098	0.120	0.129	0.135	0.145	0.116	23.81
54)		Dibenzofuran	1.952	1.889	1.960	1.883	1.780	1.498	1.595	1.794	10.10
55)	P	4-Nitrophenol	0.148	0.196	0.223	0.211	0.204	0.240	0.222	0.206	14.30
56)		2,4-Dinitrotol...	0.341	0.420	0.429	0.466	0.431	0.375	0.446	0.415	10.37
57)		Fluorene	1.506	1.462	1.566	1.486	1.417	1.300	1.213	1.421	8.71
58)		2,3,4,6-Tetrac...	0.249	0.260	0.304	0.310	0.330	0.333	0.295	0.297	10.94
59)		Diethylphthalate	1.605	1.549	1.679	1.474	1.477	1.446	1.536	1.538	5.37
60)		4-Chlorophenyl...	0.749	0.716	0.712	0.626	0.601	0.551	0.604	0.651	11.35
61)		4-Nitroaniline	0.342	0.346	0.344	0.387	0.361	0.365	0.368	0.359	4.56
62)		Azobenzene	1.358	1.337	1.419	1.317	1.256	1.369	1.451	1.358	4.75
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...		0.084	0.099	0.145	0.122	0.115	0.137	0.117	19.71
65)	c	n-Nitrosodiphe...	0.795	0.750	0.678	0.853	0.723	0.687	0.686	0.739	8.89
66)		4-Bromophenyl-...	0.226	0.216	0.233	0.276	0.230	0.199	0.226	0.229	10.31
67)		Hexachlorobenzene	0.269	0.246	0.255	0.268	0.234	0.237	0.242	0.250	5.61
68)		Atrazine	0.235	0.228	0.206	0.251	0.227	0.193	0.223	0.223	8.47
69)	C	Pentachlorophenol		0.052	0.074	0.079	0.079	0.088	0.095	0.078	18.94
70)		Phenanthrene	1.253	1.154	1.175	1.166	1.125	1.026	1.014	1.130	7.52
71)		Anthracene	1.238	1.258	1.171	1.109	1.081	1.152	1.027	1.148	7.25
72)		Carbazole	1.165	1.084	1.100	1.115	1.059	0.962	1.028	1.073	6.09
73)		Di-n-butylphth...	1.362	1.450	1.446	1.408	1.289	1.205	1.171	1.333	8.52
74)	C	Fluoranthene	0.998	1.210	1.209	1.219	1.122	1.081	1.008	1.121	8.52
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine	0.531	0.697	0.740	0.813	0.815	0.760	0.637	0.713	14.28
77)		Pyrene		1.294	1.302	1.542	1.573	1.396	1.034	1.357	14.51
78)	S	Terphenyl-d14	0.793	0.875	0.864	0.936	0.895	0.800	0.708	0.839	9.13
79)		Butylbenzylphth...	0.456	0.566	0.648	0.688	0.669	0.728	0.613	0.624	14.53
80)		Benzo(a)anthra...	1.235	1.124	1.153	1.181	1.198	1.166	1.016	1.153	6.06
81)		3,3'-Dichlorob...	0.388	0.407	0.452	0.468	0.448	0.430	0.443	0.434	6.37
82)		Chrysene	1.073	0.989	1.125	1.116	1.124	1.071	0.997	1.071	5.38

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83)	Bis(2-ethylhex...	0.744	0.840	0.897	0.956	0.956	0.910	0.756	0.865	10.17
84) c	Di-n-octyl pht...	1.115	1.315	1.431	1.394	1.414	1.324	1.323	1.331	8.00
85)	Indeno(1,2,3-c...	0.791	0.878	0.812	0.957	1.073	0.971	0.717	0.886	13.86
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.260	1.243	1.348	1.281	1.244	1.188		1.261	4.18
88)	Benzo(k)fluora...	1.367	1.176	1.181	1.190	1.168	1.171	1.140	1.199	6.32
89) C	Benzo(a)pyrene	1.239	1.138	1.188	1.204	1.140	1.152	1.113	1.168	3.78
90)	Dibenzo(a,h)an...	0.899	0.864	0.850	1.056	1.062	1.076	0.966	0.968	10.15
91)	Benzo(g,h,i)pe...	0.893	0.839	0.970	0.967	1.065	1.144	0.973	0.979	10.35

(#) = Out of Range