

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF032818.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Mar 28 13:41:47 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF103999.D 10 =BF104000.D 25 =BF104001.D 40 =BF104002.D 50 =BF104003.D 60 =BF104004.D 80 =BF104005.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.535	0.555	0.518	0.541	0.562	0.545	0.531	0.541	2.73
3)	Pyridine	1.168	1.416	1.325	1.412	1.388	1.447	1.430	1.369	7.10
4)	n-Nitrosodimet...	0.359	0.395	0.398	0.445	0.417	0.428	0.407		7.41
5) S	2-Fluorophenol	1.253	1.255	1.238	1.281	1.259	1.267	1.226	1.254	1.44
6)	Aniline	1.479	1.870	1.908	1.959	1.943	1.929	1.841	1.847	9.08
7) S	Phenol-d6	1.740	1.578	1.534	1.552	1.513	1.480	1.403	1.543	6.73
8)	2-Chlorophenol	1.391	1.437	1.385	1.408	1.371	1.347	1.291	1.376	3.41
9)	Benzaldehyde	1.040	1.025	0.938	0.811	0.713	0.659	0.545	0.819	23.23
10) C	Phenol	1.874	1.874	1.632	1.692	1.668	1.653	1.573	1.710	6.92
11)	bis(2-Chloroet...	1.692	1.498	1.488	1.498	1.460	1.203	1.473		10.64
12)	1,3-Dichlorobe...	1.584	1.586	1.539	1.561	1.567	1.525	1.463	1.546	2.78
13) C	1,4-Dichlorobe...	1.786	1.731	1.653	1.657	1.631	1.605	1.535	1.657	4.95
14)	1,2-Dichlorobe...	1.699	1.632	1.496	1.493	1.426	1.393	1.287	1.489	9.43
15)	Benzyl Alcohol	0.929	1.040	1.046	1.052	1.027	1.001	0.927	1.003	5.38
16)	2,2'-oxybis(1-...	1.723	1.709	1.613	1.616	1.564	1.548	1.461	1.605	5.73
17)	2-Methylphenol	1.088	1.124	1.137	1.151	1.143	1.120	1.074	1.120	2.56
18)	Hexachloroethane	0.585	0.572	0.560	0.557	0.554	0.540	0.516	0.555	4.02
19) P	n-Nitroso-di-n...	0.938	0.986	0.950	0.926	0.899	0.875	0.836	0.916	5.46
20)	3+4-Methylphenols	1.383	1.587	1.536	1.508	1.399	1.397	1.193	1.429	9.13
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.543	0.538	0.496	0.490	0.454	0.446	0.421	0.484	9.63
23) S	Nitrobenzene-d5	0.323	0.351	0.331	0.336	0.326	0.316	0.307	0.327	4.34
24)	Nitrobenzene	0.334	0.349	0.356	0.358	0.347	0.340	0.325	0.344	3.46
25)	Isophorone	0.621	0.619	0.601	0.597	0.603	0.582	0.597	0.603	2.25
26) C	2-Nitrophenol	0.161	0.176	0.183	0.191	0.185	0.184	0.178	0.180	5.26
27)	2,4-Dimethylph...	0.289	0.257	0.260	0.261	0.256	0.248	0.243	0.259	5.72
28)	bis(2-Chloroet...	0.398	0.390	0.379	0.383	0.371	0.365	0.358	0.378	3.69
29) C	2,4-Dichloroph...	0.268	0.278	0.273	0.279	0.272	0.265	0.260	0.271	2.48
30)	1,2,4-Trichlor...	0.321	0.324	0.310	0.312	0.302	0.294	0.286	0.307	4.48
31)	Naphthalene	1.057	1.052	0.992	0.992	0.946	0.921	0.881	0.977	6.72
32)	Benzoic acid	0.163	0.173	0.190	0.195	0.205	0.212	0.190		9.76
33)	4-Chloroaniline	0.395	0.430	0.430	0.430	0.406	0.401	0.390	0.412	4.32
34) C	Hexachlorobuta...	0.177	0.178	0.172	0.169	0.162	0.159	0.152	0.167	5.78
35)	Caprolactam	0.086	0.087	0.089	0.085	0.085	0.085	0.082	0.086	2.91
36) C	4-Chloro-3-met...	0.273	0.297	0.291	0.298	0.287	0.282	0.274	0.286	3.60
37)	2-Methylnaphth...	0.712	0.693	0.661	0.652	0.616	0.602	0.570	0.644	7.87

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.651	0.664	0.624	0.618	0.610	0.567	0.560	0.613	6.34
40) P	Hexachlorocycl...		0.171	0.233	0.263	0.281	0.277	0.291	0.253	17.79
41) S	2,4,6-Tribromo...	0.232	0.244	0.234	0.228	0.216	0.207	0.198	0.223	7.24
42) C	2,4,6-Trichlor...	0.376	0.394	0.400	0.398	0.396	0.378	0.376	0.388	2.86
43)	2,4,5-Trichlor...	0.496	0.486	0.473	0.475	0.470	0.446	0.437	0.469	4.45
44) S	2-Fluorobiphenyl		1.552	1.381	1.286	1.223	1.126	1.042	1.268	14.41
45)	1,1'-Biphenyl	1.947	1.896	1.773	1.711	1.657	1.545	1.486	1.717	9.95
46)	2-Chloronaphth...	1.473	1.483	1.398	1.355	1.320	1.244	1.206	1.354	7.84
47)	2-Nitroaniline	0.388	0.404	0.387	0.395	0.388	0.371	0.370	0.386	3.14
48)	Acenaphthylene	2.336	2.290	2.117	2.043	1.979	1.834	1.760	2.051	10.53
49)	Dimethylphthalate	1.720	1.684	1.600	1.578	1.531	1.474	1.467	1.579	6.19
50)	2,6-Dinitrotol...	0.342	0.356	0.347	0.346	0.341	0.329	0.318	0.340	3.70
51) C	Acenaphthene	1.378	1.308	1.216	1.168	1.144	1.071	1.023	1.187	10.57
52)	3-Nitroaniline	0.396	0.407	0.394	0.401	0.392	0.373	0.370	0.391	3.57
53) P	2,4-Dinitrophenol		0.078	0.123	0.128	0.153	0.139	0.149	0.128	21.12
54)	Dibenzofuran	1.996	1.946	1.806	1.748	1.648	1.538	1.449	1.733	11.67
55) P	4-Nitrophenol		0.188	0.227	0.246	0.249	0.248	0.247	0.234	10.35
56)	2,4-Dinitrotol...	0.432	0.470	0.456	0.454	0.429	0.407	0.387	0.433	6.76
57)	Fluorene	1.697	1.612	1.485	1.406	1.349	1.260	1.198	1.429	12.68
58)	2,3,4,6-Tetrac...	0.377	0.383	0.355	0.353	0.338	0.337	0.317	0.351	6.59
59)	Diethylphthalate	1.680	1.637	1.563	1.522	1.449	1.393	1.345	1.513	8.22
60)	4-Chlorophenyl...	0.739	0.743	0.688	0.655	0.621	0.593	0.558	0.657	10.80
61)	4-Nitroaniline	0.362	0.394	0.374	0.376	0.364	0.352	0.335	0.365	5.13
62)	Azobenzene	1.518	1.475	1.398	1.385	1.328	1.250	1.220	1.368	8.05
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.102	0.119	0.127	0.126	0.127	0.125	0.121	7.92
65) c	n-Nitrosodiphe...	0.742	0.746	0.686	0.674	0.665	0.629	0.599	0.677	7.98
66)	4-Bromophenyl-...	0.221	0.229	0.221	0.214	0.211	0.204	0.198	0.214	4.99
67)	Hexachlorobenzene	0.261	0.263	0.250	0.247	0.243	0.235	0.224	0.246	5.64
68)	Atrazine	0.222	0.227	0.215	0.210	0.202	0.195	0.182	0.208	7.54
69) C	Pentachlorophenol		0.117	0.130	0.141	0.145	0.139	0.140	0.135	7.40
70)	Phenanthrene	1.216	1.216	1.106	1.078	1.036	0.990	0.939	1.083	9.81
71)	Anthracene	1.293	1.282	1.162	1.120	1.078	1.022	0.961	1.131	11.07
72)	Carbazole	1.200	1.202	1.114	1.078	1.042	0.989	0.932	1.080	9.42
73)	Di-n-butylphth...	1.421	1.447	1.359	1.288	1.205	1.183	1.098	1.286	10.15
74) C	Fluoranthene	1.329	1.303	1.184	1.138	1.087	1.036	0.978	1.151	11.40
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.564	0.662	0.609	0.612	0.569	0.529	0.445	0.570	12.21
77)	Pyrene	1.569	1.555	1.455	1.428	1.392	1.334	1.331	1.438	6.69
78) S	Terphenyl-d14	1.055	1.001	0.898	0.843	0.790	0.752	0.724	0.866	14.47
79)	Butylbenzylphth...	0.702	0.702	0.704	0.688	0.656	0.647	0.642	0.677	4.09
80)	Benzo(a)anthra...	1.354	1.322	1.267	1.248	1.222	1.188	1.159	1.251	5.58
81)	3,3'-Dichlorob...		0.489	0.441	0.414	0.379	0.349		0.414	13.07
82)	Chrysene	1.406	1.333	1.230	1.220	1.177	1.119	1.096	1.226	9.11

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83)	Bis(2-ethylhex...	1.001	0.993	0.927	0.858	0.811	0.778	0.758	0.875	11.43
84) c	Di-n-octyl pht...	1.587	1.613	1.556	1.523	1.447	1.430	1.383	1.505	5.76
85)	Indeno(1,2,3-c...	1.437	1.428	1.306	1.297	1.212	1.164	1.048	1.270	11.08
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.252	1.237	1.205	1.174	1.234	1.220	1.198	1.217	2.18
88)	Benzo(k)fluora...	1.346	1.247	1.158	1.158	1.083	1.001	1.033	1.147	10.59
89) C	Benzo(a)pyrene	1.231	1.194	1.129	1.116	1.114	1.071	1.041	1.128	5.85
90)	Dibenzo(a,h)an...	1.184	1.166	1.071	1.036	1.000	0.944	0.900	1.043	10.20
91)	Benzo(g,h,i)pe...	1.187	1.148	1.065	1.042	0.992	0.956	0.921	1.045	9.35

(#) = Out of Range