

Method Path : Z:\HPCHEM1\BNA F\METHODS\
 Method File : 8270-BF031518.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Mar 15 18:31:53 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF103667.D 10 =BF103668.D 25 =BF103669.D 40 =BF103670.D 50 =BF103671.D 60 =BF103672.D 80 =BF103673.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.659	0.668	0.641	0.659	0.645	0.636	0.625	0.647	2.33
3)	Pyridine	1.858	1.769	1.766	1.785	1.786	1.751	1.750	1.781	2.08
4)	n-Nitrosodimet...	0.728	0.637	0.638	0.657	0.657	0.642	0.636	0.657	5.02
5) S	2-Fluorophenol	1.401	1.409	1.335	1.329	1.284	1.245	1.202	1.315	5.85
6)	Aniline	2.366	2.407	2.266	2.322	2.276	2.226	2.217	2.297	3.09
7) S	Phenol-d6	1.730	1.738	1.634	1.613	1.574	1.513	1.459	1.609	6.47
8)	2-Chlorophenol	1.425	1.468	1.387	1.397	1.364	1.328	1.274	1.377	4.62
9)	Benzaldehyde	1.160	1.174	1.070	1.054	1.023	0.980	0.938	1.057	8.25
10) C	Phenol	1.878	1.817	1.727	1.702	1.679	1.612	1.551	1.709	6.58
11)	bis(2-Chloroet...	1.511	1.511	1.405	1.401	1.385	1.347	1.318	1.411	5.30
12)	1,3-Dichlorobe...	1.728	1.722	1.569	1.567	1.529	1.465	1.402	1.569	7.77
13) C	1,4-Dichlorobe...	1.796	1.688	1.588	1.577	1.521	1.465	1.402	1.576	8.45
14)	1,2-Dichlorobe...	1.635	1.627	1.496	1.453	1.426	1.341	1.263	1.463	9.42
15)	Benzyl Alcohol	1.312	1.327	1.260	1.257	1.235	1.194	1.141	1.246	5.18
16)	2,2'-oxybis(1-...	2.161	2.165	2.006	2.006	1.965	1.897	1.849	2.007	6.02
17)	2-Methylphenol	1.266	1.301	1.242	1.232	1.216	1.181	1.148	1.227	4.16
18)	Hexachloroethane	0.548	0.577	0.557	0.565	0.564	0.539	0.530	0.555	2.95
19) P	n-Nitroso-di-n...	1.109	1.133	1.047	1.022	0.996	0.964	0.947	1.031	6.83
20)	3+4-Methylphenols	1.657	1.717	1.607	1.574	1.540	1.450	1.352	1.557	7.96
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.602	0.579	0.528	0.505	0.489	0.468	0.428	0.514	11.87
23) S	Nitrobenzene-d5	0.224	0.271	0.300	0.311	0.314	0.301	0.287		12.00
24)	Nitrobenzene	0.293	0.335	0.351	0.357	0.349	0.336	0.337		6.91
25)	Isophorone	0.710	0.701	0.668	0.647	0.654	0.643	0.624	0.664	4.71
26) C	2-Nitrophenol	0.055	0.085	0.112	0.129	0.137	0.142	0.110		30.95#
27)	2,4-Dimethylph...	0.291	0.299	0.286	0.283	0.284	0.278	0.269	0.284	3.31
28)	bis(2-Chloroet...	0.433	0.431	0.408	0.398	0.392	0.385	0.367	0.402	5.98
29) C	2,4-Dichloroph...	0.239	0.265	0.268	0.266	0.265	0.261	0.249	0.259	4.23
30)	1,2,4-Trichlor...	0.335	0.323	0.306	0.297	0.292	0.282	0.266	0.300	7.91
31)	Naphthalene	1.187	1.117	1.030	0.987	0.962	0.931	0.858	1.010	11.08
32)	Benzoic acid	0.077	0.130	0.173	0.203	0.216	0.224	0.171		33.54
33)	4-Chloroaniline	0.458	0.458	0.434	0.426	0.416	0.399	0.375	0.424	7.15
34) C	Hexachlorobuta...	0.187	0.180	0.170	0.164	0.158	0.153	0.141	0.165	9.46
35)	Caprolactam	0.082	0.086	0.090	0.092	0.090	0.094	0.089		4.59
36) C	4-Chloro-3-met...	0.283	0.294	0.294	0.289	0.288	0.283	0.266	0.285	3.42
37)	2-Methylnaphth...	0.729	0.706	0.664	0.635	0.616	0.593	0.542	0.641	10.12

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.619	0.644	0.591	0.571	0.551	0.522	0.494	0.571	9.24
40) P	Hexachlorocycl...	0.240	0.282	0.292	0.313	0.314	0.310	0.310	0.294	9.18
41) S	2,4,6-Tribromo...	0.133	0.173	0.180	0.186	0.180	0.179	0.173	0.172	10.28
42) C	2,4,6-Trichlor...	0.320	0.356	0.375	0.386	0.380	0.372	0.365	0.365	6.07
43)	2,4,5-Trichlor...	0.351	0.428	0.425	0.434	0.430	0.408	0.407	0.412	7.04
44) S	2-Fluorobiphenyl	1.513	1.327	1.215	1.149	1.066		1.254		13.82
45)	1,1'-Biphenyl	1.912	1.874	1.720	1.658	1.594	1.492	1.424	1.668	10.96
46)	2-Chloronaphth...	1.482	1.464	1.353	1.324	1.257	1.225	1.167	1.325	8.96
47)	2-Nitroaniline	0.174	0.269	0.330	0.355	0.358	0.370	0.309		24.46
48)	Acenaphthylene	2.370	2.275	2.091	2.030	1.954	1.882	1.777	2.054	10.26
49)	Dimethylphthalate	1.678	1.647	1.549	1.528	1.485	1.408	1.386	1.526	7.26
50)	2,6-Dinitrotol...		0.183	0.258	0.293	0.304	0.307	0.300	0.274	17.50
51) C	Acenaphthene	1.348	1.352	1.251	1.221	1.170	1.125	1.070	1.220	8.78
52)	3-Nitroaniline		0.237	0.310	0.355	0.362	0.360	0.363	0.331	15.23
53) P	2,4-Dinitrophenol		0.022	0.035	0.052	0.066	0.075	0.091	0.057	45.10
54)	Dibenzofuran	2.003	1.927	1.784	1.731	1.653	1.572	1.524	1.742	10.18
55) P	4-Nitrophenol		0.159	0.225	0.263	0.273	0.275	0.277	0.245	18.95
56)	2,4-Dinitrotol...		0.192	0.300	0.364	0.383	0.386	0.395	0.336	23.44
57)	Fluorene	1.602	1.543	1.397	1.344	1.268	1.195	1.112	1.352	13.18
58)	2,3,4,6-Tetrac...	0.224	0.297	0.301	0.315	0.307	0.304	0.294	0.292	10.58
59)	Diethylphthalate	1.679	1.658	1.545	1.517	1.457	1.405	1.340	1.514	8.29
60)	4-Chlorophenyl...	0.731	0.712	0.640	0.609	0.573	0.546	0.514	0.618	13.27
61)	4-Nitroaniline		0.229	0.297	0.342	0.349	0.347	0.348	0.319	15.13
62)	Azobenzene	1.759	1.711	1.553	1.538	1.477	1.398	1.342	1.540	9.96
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.024	0.044	0.065	0.076	0.085	0.094	0.065	41.15
65) c	n-Nitrosodiphe...	0.734	0.746	0.701	0.683	0.660	0.628	0.614	0.681	7.39
66)	4-Bromophenyl-...	0.213	0.223	0.211	0.208	0.201	0.194	0.187	0.205	5.90
67)	Hexachlorobenzene	0.259	0.255	0.240	0.234	0.225	0.216	0.212	0.234	7.83
68)	Atrazine	0.217	0.226	0.213	0.214	0.209	0.200	0.196	0.211	4.93
69) C	Pentachlorophenol		0.109	0.131	0.143	0.141	0.142	0.141	0.135	9.76
70)	Phenanthrene	1.276	1.224	1.126	1.077	1.039	0.986	0.930	1.094	11.37
71)	Anthracene	1.283	1.231	1.146	1.100	1.059	1.010	0.949	1.111	10.65
72)	Carbazole	1.242	1.182	1.096	1.080	1.031	0.981	0.947	1.080	9.77
73)	Di-n-butylphth...	1.373	1.434	1.363	1.315	1.258	1.206	1.124	1.296	8.28
74) C	Fluoranthene	1.321	1.242	1.150	1.130	1.068	1.019	0.961	1.127	11.10
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.799	0.882	0.895	0.872	0.856	0.858	0.809	0.853	4.23
77)	Pvrene	1.585	1.542	1.485	1.433	1.424	1.426	1.386	1.469	4.91
78) S	Terphenyl-d14	1.021	0.968	0.886	0.827	0.800	0.772	0.758	0.862	11.70
79)	Butylbenzylpht...		0.573	0.647	0.669	0.672	0.680	0.665	0.651	6.13
80)	Benzo(a)anthra...	1.353	1.344	1.288	1.261	1.231	1.215	1.169	1.266	5.34
81)	3,3'-Dichlorob...	0.392	0.456	0.455	0.448	0.425	0.409	0.378	0.423	7.43
82)	Chrysene	1.355	1.306	1.240	1.188	1.158	1.128	1.074	1.207	8.25

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83)	Bis(2-ethylhex...	0.816	0.959	0.985	0.970	0.956	0.943	0.879	0.930	6.49
84) c	Di-n-octyl pht...	0.979	1.327	1.425	1.477	1.439	1.454	1.366	1.352	12.75
85)	Indeno(1,2,3-c...	1.189	1.190	1.051	1.068	0.985	0.958	0.938	1.054	9.82
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.230	1.231	1.210	1.246	1.324	1.295	1.308	1.264	3.53
88)	Benzo(k)fluora...	1.291	1.324	1.258	1.221	1.158	1.143	1.108	1.215	6.68
89) C	Benzo(a)pyrene	1.162	1.188	1.135	1.149	1.139	1.127	1.123	1.146	1.97
90)	Dibenzo(a,h)an...	1.037	1.069	0.978	0.984	0.971	0.942	0.965	0.992	4.50
91)	Benzo(g,h,i)pe...	1.032	1.040	0.929	0.944	0.926	0.923	0.964	0.965	5.21

(#) = Out of Range