

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF013017.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jan 30 14:50:05 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF092625.D 10 =BF092626.D 25 =BF092627.D 40 =BF092628.D 50 =BF092629.D 60 =BF092630.D 80 =BF092631.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.700	0.661	0.625	0.615	0.604	0.597	0.608	0.630	5.92
3)	Pyridine	1.557	1.462	1.508	1.622	1.711	1.679	1.672	1.602	5.90
4)	n-Nitrosodimet...	0.726	0.743	0.757	0.753	0.764	0.763	0.758	0.752	1.81
5) S	2-Fluorophenol	1.206	1.278	1.188	1.217	1.181	1.085	1.006	1.166	7.79
6)	Aniline	2.352	2.249	2.262	1.985	1.869	1.926	1.678	2.046	12.09
7) S	Phenol-d6	1.638	1.662	1.536	1.497	1.463	1.355	1.349	1.500	8.26
8)	2-Chlorophenol	1.379	1.389	1.358	1.292	1.188	1.178	1.218	1.286	7.12
9)	Benzaldehyde	1.138	1.113	1.148	1.099	1.041	1.020	0.963	1.075	6.36
10) C	Phenol	1.910	1.967	1.772	1.664	1.772	1.589	1.610	1.755	8.28
11)	bis(2-Chloroet...	1.598	1.508	1.375	1.336	1.386	1.419	1.184	1.401	9.34
12)	1,3-Dichlorobe...	1.551	1.655	1.521	1.469	1.493	1.406	1.450	1.506	5.35
13) C	1,4-Dichlorobe...	1.676	1.737	1.601	1.471	1.427	1.386	1.374	1.525	9.58
14)	1,2-Dichlorobe...	1.607	1.576	1.505	1.472	1.444	1.412	1.189	1.458	9.42
15)	Benzyl Alcohol	1.247	1.257	1.126	1.073	1.114	1.058	0.897	1.110	11.03
16)	2,2'-oxybis(1-...	2.614	2.634	2.483	2.399	2.381	2.277	2.247	2.434	6.24
17)	2-Methylphenol	1.143	1.144	1.172	1.157	1.051	1.024	1.031	1.103	5.86
18)	Hexachloroethane	0.524	0.529	0.544	0.522	0.524	0.511	0.490	0.520	3.21
19) P	n-Nitroso-di-n...	1.065	1.046	1.037	0.870	0.917	0.911	0.838	0.955	9.71
20)	3+4-Methylphenols	1.579	1.388	1.351	1.333	1.275	0.989	1.319		14.55
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.546	0.520	0.473	0.444	0.400	0.405	0.409	0.457	12.79
23) S	Nitrobenzene-d5	0.418	0.400	0.351	0.363	0.325	0.341	0.316	0.359	10.57
24)	Nitrobenzene	0.374	0.386	0.409	0.345	0.351	0.356	0.361	0.369	6.15
25)	Isophorone	0.705	0.702	0.704	0.655	0.627	0.653	0.640	0.669	4.99
26) C	2-Nitrophenol	0.167	0.176	0.188	0.190	0.165	0.183	0.158	0.175	7.01
27)	2,4-Dimethylph...	0.317	0.330	0.304	0.324	0.299	0.313	0.267	0.308	6.78
28)	bis(2-Chloroet...	0.487	0.490	0.417	0.442	0.430	0.448	0.389	0.443	8.23
29) C	2,4-Dichloroph...	0.309	0.330	0.271	0.275	0.277	0.284	0.265	0.287	8.22
30)	1,2,4-Trichlor...	0.340	0.349	0.304	0.303	0.288	0.295	0.288	0.309	8.02
31)	Naphthalene	1.191	1.109	1.002	0.985	0.946	0.975	0.888	1.014	10.13
32)	Benzoic acid		0.093	0.134	0.173	0.172	0.172	0.192	0.156	23.10
33)	4-Chloroaniline	0.461	0.450	0.429	0.406	0.346	0.356	0.335	0.398	12.99
34) C	Hexachlorobuta...	0.186	0.183	0.173	0.170	0.159	0.167	0.154	0.170	6.98
35)	Caprolactam	0.094	0.097	0.088	0.097	0.084	0.090	0.083	0.090	6.41
36) C	4-Chloro-3-met...	0.337	0.354	0.285	0.304	0.289	0.271	0.256	0.299	11.76
37)	2-Methylnaphth...		0.781	0.706	0.651	0.564	0.552	0.651		14.81

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.610	0.583	0.577	0.553	0.555	0.530	0.522	0.561	5.46
40) P	Hexachlorocycl...		0.225	0.247	0.256	0.264	0.258	0.269	0.253	6.12
41) S	2,4,6-Tribromo...	0.158	0.161	0.147	0.157	0.147	0.125	0.118	0.145	11.70
42) C	2,4,6-Trichlor...	0.356	0.369	0.389	0.391	0.364	0.353	0.361	0.369	4.16
43)	2,4,5-Trichlor...	0.431	0.448	0.411	0.390	0.395	0.382	0.372	0.404	6.74
44) S	2-Fluorobiphenyl		1.231	1.244	1.165	0.976	0.904		1.104	14.03
45)	1,1'-Biphenyl	1.698	1.559	1.533	1.502	1.431	1.219	1.196	1.448	12.64
46)	2-Chloronaphth...	1.226	1.190	1.261	1.201	1.070	0.993	0.990	1.133	9.99
47)	2-Nitroaniline	0.391	0.400	0.367	0.356	0.405	0.373	0.374	0.381	4.81
48)	Acenaphthylene	2.358	2.202	1.930	1.816	1.881	1.803	1.711	1.957	12.01
49)	Dimethylphthalate	1.541	1.398	1.432	1.352	1.201	1.281	1.225	1.347	9.01
50)	2,6-Dinitrotol...	0.302	0.320	0.292	0.298	0.318	0.255	0.251	0.291	9.56
51) C	Acenaphthene	1.372	1.329	1.118	1.106	1.099	1.094	1.072	1.170	10.67
52)	3-Nitroaniline	0.335	0.367	0.320	0.355	0.354	0.281	0.319	0.333	8.90
53) P	2,4-Dinitrophenol		0.083	0.114	0.137	0.154	0.149	0.143	0.130	20.67
54)	Dibenzofuran	1.947	1.748	1.546	1.457	1.442	1.434	1.381	1.565	13.24
55) P	4-Nitrophenol	0.207	0.222	0.272	0.237	0.272	0.250	0.219	0.240	10.72
56)	2,4-Dinitrotol...	0.367	0.416	0.390	0.434	0.384	0.328	0.392	0.387	8.83
57)	Fluorene		1.471	1.255	1.170	1.113	1.134	1.082	1.204	11.92
58)	2,3,4,6-Tetrac...	0.242	0.276	0.298	0.301	0.281	0.248	0.241	0.270	9.61
59)	Diethylphthalate	1.376	1.307	1.383	1.304	1.162	1.146	1.208	1.270	7.71
60)	4-Chlorophenyl...	0.677	0.651	0.588	0.562	0.556	0.514	0.502	0.578	11.35
61)	4-Nitroaniline	0.330	0.363	0.387	0.338	0.348	0.296	0.326	0.341	8.49
62)	Azobenzene	1.363	1.354	1.342	1.307	1.288	1.284	1.243	1.312	3.31
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.039	0.079	0.114	0.120	0.133	0.113	0.127	0.103	32.03
65) c	n-Nitrosodiphe...	0.687	0.656	0.699	0.644	0.564	0.616	0.606	0.639	7.41
66)	4-Bromophenyl-...	0.218	0.221	0.211	0.204	0.201	0.213	0.195	0.209	4.60
67)	Hexachlorobenzene	0.243	0.223	0.206	0.201	0.187	0.194	0.190	0.206	9.83
68)	Atrazine	0.213	0.205	0.235	0.193	0.187	0.214	0.189	0.205	8.49
69) C	Pentachlorophenol		0.053	0.080	0.094	0.096	0.103	0.109	0.089	22.61
70)	Phenanthrene	1.353	1.283	1.152	1.151	1.115	1.045	0.923	1.146	12.47
71)	Anthracene	1.393	1.241	1.248	1.116	1.000	1.012	1.045	1.151	12.83
72)	Carbazole	1.283	1.182	1.258	1.163	1.014	0.915	0.884	1.100	14.73
73)	Di-n-butylphth...	1.392	1.334	1.294	1.179	1.074	1.048	1.007	1.190	12.83
74) C	Fluoranthene	1.384	1.336	1.180	1.209	1.138	1.081	0.945	1.182	12.62
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.869	0.916	0.854	0.848	0.789	0.853	0.837	0.852	4.45
77)	Pyrene	1.495	1.487	1.502	1.585	1.494	1.658	1.256	1.497	8.27
78) S	Terphenyl-d14	0.952	0.902	0.921	0.817	0.741	0.833	0.793	0.851	8.91
79)	Butylbenzylphth...	0.568	0.619	0.614	0.610	0.600	0.634	0.611	0.608	3.38
80)	Benzo(a)anthra...	1.367	1.267	1.241	1.239	1.150	1.241	1.057	1.223	7.92
81)	3,3'-Dichlorob...	0.438	0.463	0.461	0.450	0.423	0.426	0.392	0.436	5.70
82)	Chrysene	1.249	1.154	1.234	1.240	1.057	1.154	0.928	1.145	10.26

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83)	Bis(2-ethylhex...	0.850	0.849	0.892	0.865	0.786	0.863	0.715	0.831	7.30
84) c	Di-n-octyl pht...	1.357	1.409	1.399	1.421	1.312	1.345	1.231	1.354	4.91
85)	Indeno(1,2,3-c...	1.037	0.929	0.859	0.843	0.788	0.924	0.829	0.887	9.38
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.377	1.342	1.228	1.391	1.308	1.316	1.253	1.316	4.57
88)	Benzo(k)fluora...	1.241	1.170	1.314	1.046	1.061	1.000	1.124	1.137	9.93
89) C	Benzo(a)pyrene	1.194	1.196	1.164	1.140	1.091	1.107	1.079	1.139	4.23
90)	Dibenzo(a,h)an...	0.956	0.940	0.891	0.870	0.872	0.959	0.953	0.920	4.43
91)	Benzo(g,h,i)pe...	0.961	0.907	0.878	0.872	0.882	1.006	1.003	0.930	6.35

(#) = Out of Range