

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF022218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Feb 23 02:43:46 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF103154.D 10 =BF103155.D 25 =BF103156.D 40 =BF103157.D 50 =BF103158.D 60 =BF103159.D 80 =BF103160.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.673	0.687	0.709	0.710	0.711	0.710	0.689	0.698	2.17
3)	Pyridine	1.462	1.766	1.916	1.919	2.021	2.024	1.944	1.865	10.59
4)	n-Nitrosodimet...	0.648	0.713	0.782	0.758	0.783	0.798	0.782	0.752	7.14
5) S	2-Fluorophenol	1.405	1.481	1.394	1.322	1.269	1.245	1.141	1.322	8.67
6)	Aniline	2.464	2.516	2.440	2.329	2.282	2.244	2.073	2.335	6.54
7) S	Phenol-d6	1.844	1.806	1.673	1.587	1.517	1.500	1.400	1.618	10.16
8)	2-Chlorophenol	1.523	1.455	1.436	1.368	1.330	1.315	1.189	1.374	7.99
9)	Benzaldehyde	1.296	1.240	1.136	0.987	0.907	0.826	0.709	1.014	21.53
10) C	Phenol	2.117	2.075	1.981	1.855	1.776	1.759	1.586	1.878	10.12
11)	bis(2-Chloroet...	1.485	1.460	1.489	1.423	1.401	1.412	1.310	1.426	4.33
12)	1,3-Dichlorobe...	1.749	1.714	1.631	1.551	1.505	1.464	1.374	1.570	8.64
13) C	1,4-Dichlorobe...	1.763	1.726	1.640	1.556	1.494	1.475	1.364	1.574	9.14
14)	1,2-Dichlorobe...	1.680	1.641	1.536	1.419	1.364	1.338	1.181	1.451	12.28
15)	Benzyl Alcohol	1.366	1.358	1.320	1.209	1.154	1.132	0.997	1.219	11.20
16)	2,2'-oxybis(1-...	2.564	2.586	2.568	2.471	2.412	2.379	2.157	2.448	6.20
17)	2-Methylphenol	1.335	1.301	1.290	1.234	1.215	1.216	1.149	1.248	5.09
18)	Hexachloroethane	0.627	0.608	0.586	0.569	0.553	0.553	0.514	0.573	6.61
19) P	n-Nitroso-di-n...	1.143	1.157	1.034	0.957	0.929	0.927	0.902	1.007	10.55
20)	3+4-Methylphenols	1.833	1.722	1.548	1.408	1.331	1.289	1.522		14.43
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.563	0.548	0.486	0.453	0.424	0.419	0.373	0.467	14.99
23) S	Nitrobenzene-d5	0.377	0.384	0.364	0.347	0.335	0.338	0.306	0.350	7.71
24)	Nitrobenzene	0.420	0.409	0.405	0.386	0.374	0.372	0.332	0.386	7.68
25)	Isophorone	0.704	0.727	0.695	0.677	0.680	0.689	0.656	0.690	3.28
26) C	2-Nitrophenol	0.148	0.184	0.192	0.191	0.190	0.189	0.177	0.182	8.58
27)	2,4-Dimethylph...	0.292	0.289	0.283	0.276	0.282	0.264	0.257	0.277	4.64
28)	bis(2-Chloroet...	0.426	0.436	0.420	0.402	0.396	0.398	0.361	0.406	6.16
29) C	2,4-Dichloroph...	0.273	0.287	0.277	0.266	0.261	0.261	0.235	0.266	6.15
30)	1,2,4-Trichlor...	0.297	0.307	0.295	0.282	0.275	0.277	0.247	0.283	7.03
31)	Naphthalene	1.130	1.106	1.011	0.961	0.925	0.917	0.804	0.979	11.61
32)	Benzoic acid		0.097	0.165	0.194	0.212	0.211	0.221	0.183	25.57
33)	4-Chloroaniline	0.450	0.466	0.440	0.424	0.411	0.406	0.360	0.423	8.22
34) C	Hexachlorobuta...	0.163	0.161	0.152	0.144	0.141	0.143	0.126	0.147	8.71
35)	Caprolactam	0.083	0.093	0.096	0.096	0.096	0.098	0.092	0.093	5.38
36) C	4-Chloro-3-met...	0.301	0.331	0.313	0.300	0.294	0.290	0.267	0.300	6.56
37)	2-Methylnaphth...	0.733	0.719	0.655	0.617	0.594	0.591	0.521	0.633	11.87

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.599	0.595	0.573	0.545	0.522	0.532	0.461	0.547	8.83
40) P	Hexachlorocycl...		0.065	0.126	0.159	0.174	0.194	0.192	0.152	32.36
41) S	2,4,6-Tribromo...	0.177	0.184	0.174	0.174	0.161	0.166	0.148	0.169	7.07
42) C	2,4,6-Trichlor...	0.359	0.385	0.382	0.374	0.364	0.374	0.337	0.368	4.47
43)	2,4,5-Trichlor...	0.436	0.456	0.433	0.430	0.410	0.420	0.376	0.423	5.92
44) S	2-Fluorobiphenyl		1.499	1.292	1.160	1.090	1.089	0.929	1.177	16.74
45)	1,1'-Biphenyl	1.986	1.925	1.718	1.621	1.566	1.561	1.354	1.676	13.16
46)	2-Chloronaphth...	1.519	1.453	1.364	1.305	1.259	1.260	1.120	1.326	10.04
47)	2-Nitroaniline	0.462	0.521	0.511	0.501	0.492	0.493	0.457	0.491	4.85
48)	Acenaphthylene	2.397	2.336	2.139	2.005	1.893	1.877	1.632	2.040	13.27
49)	Dimethylphthalate	1.758	1.721	1.617	1.570	1.552	1.570	1.443	1.604	6.66
50)	2,6-Dinitrotol...	0.326	0.361	0.347	0.341	0.337	0.339	0.307	0.337	5.11
51) C	Acenaphthene	1.446	1.337	1.217	1.155	1.110	1.094	0.966	1.190	13.51
52)	3-Nitroaniline	0.415	0.450	0.444	0.431	0.423	0.428	0.398	0.427	4.08
53) P	2,4-Dinitrophenol		0.034	0.076	0.099	0.111	0.118	0.123	0.094	35.79
54)	Dibenzofuran		1.964	1.774	1.669	1.554	1.538	1.300	1.633	13.88
55) P	4-Nitrophenol		0.241	0.271	0.272	0.268	0.278	0.258	0.265	4.97
56)	2,4-Dinitrotol...	0.395	0.470	0.463	0.443	0.424	0.422	0.363	0.426	8.84
57)	Fluorene	1.660	1.557	1.390	1.290	1.227	1.222		1.391	13.10
58)	2,3,4,6-Tetrac...	0.277	0.302	0.294	0.288	0.284	0.288	0.256	0.284	5.11
59)	Diethylphthalate	1.757	1.723	1.585	1.500	1.439	1.468	1.271	1.535	11.03
60)	4-Chlorophenyl...	0.698	0.676	0.610	0.579	0.554	0.549	0.463	0.590	13.58
61)	4-Nitroaniline	0.403	0.446	0.438	0.436	0.426	0.433	0.404	0.427	3.95
62)	Azobenzene	1.788	1.774	1.615	1.552	1.458	1.457	1.290	1.562	11.53
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.073	0.103	0.119	0.122	0.129	0.125	0.112	18.93
65) c	n-Nitrosodiphe...	0.771	0.781	0.722	0.685	0.663	0.658	0.595	0.696	9.50
66)	4-Bromophenyl-...	0.213	0.230	0.217	0.210	0.202	0.203	0.184	0.208	6.81
67)	Hexachlorobenzene	0.244	0.248	0.231	0.222	0.217	0.221	0.199	0.226	7.37
68)	Atrazine	0.238	0.235	0.217	0.206	0.198	0.198	0.174	0.209	10.80
69) C	Pentachlorophenol		0.084	0.110	0.113	0.119	0.119	0.112	0.109	11.98
70)	Phenanthrene	1.312	1.267	1.122	1.071	1.028	1.006	0.898	1.101	13.33
71)	Anthracene	1.312	1.309	1.166	1.103	1.039	1.055	0.917	1.129	12.86
72)	Carbazole	1.310	1.301	1.150	1.101	1.047	1.032	0.926	1.124	12.61
73)	Di-n-butylphth...	1.590	1.624	1.462	1.376	1.328	1.314	1.151	1.406	11.80
74) C	Fluoranthene	1.287	1.284	1.134	1.079	1.032	1.026	0.901	1.106	12.79
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.848	0.877	0.781	0.706	0.655	0.618		0.748	14.03
77)	Pyrene	1.711	1.655	1.589	1.528	1.514	1.519	1.398	1.559	6.61
78) S	Terphenyl-d14	1.027	0.957	0.845	0.782	0.764	0.767	0.681	0.832	14.53
79)	Butylbenzylphth...	0.843	0.839	0.842	0.828	0.819	0.838	0.759	0.824	3.63
80)	Benzo(a)anthra...	1.349	1.369	1.330	1.287	1.294	1.271	1.184	1.298	4.72
81)	3,3'-Dichlorob...	0.507	0.528	0.516	0.469	0.438	0.424	0.359	0.463	13.03
82)	Chrysene	1.423	1.337	1.283	1.239	1.216	1.214	1.108	1.260	7.99

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83)	Bis(2-ethylhex...	1.242	1.220	1.159	1.114	1.082	1.060	0.905	1.112	10.20
84) c	Di-n-octyl pht...	1.941	1.886	1.855	1.790	1.764	1.745	1.592	1.796	6.34
85)	Indeno(1,2,3-c...	1.080	1.034	1.097	0.945	0.950	0.945	0.931	0.998	7.13
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.388	1.398	1.304	1.294	1.247	1.353	1.222	1.315	5.15
88)	Benzo(k)fluora...	1.347	1.261	1.250	1.259	1.238	1.229	1.084	1.238	6.31
89) C	Benzo(a)pyrene	1.231	1.219	1.185	1.178	1.153	1.185	1.069	1.174	4.55
90)	Dibenzo(a,h)an...	0.987	0.941	0.955	0.893	0.853	0.903	0.820	0.907	6.45
91)	Benzo(g,h,i)pe...	0.917	0.880	0.906	0.871	0.846	0.938	0.850	0.887	3.94

(#) = Out of Range