

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF100516.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Oct 05 14:57:00 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF090373.D 10 =BF090374.D 25 =BF090375.D 40 =BF090376.D 50 =BF090377.D 60 =BF090378.D 80 =BF090379.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.726	0.659	0.657	0.663	0.626	0.667	0.627	0.661	5.04
3)	Pyridine	1.858	1.751	1.927	1.905	1.787	1.896	1.770	1.842	3.88
4)	n-Nitrosodimet...	0.760	0.784	0.778	0.777	0.746	0.762	0.714	0.760	3.17
5) S	2-Fluorophenol	1.401	1.444	1.420	1.374	1.185	1.298	1.257	1.340	7.12
6)	Aniline	2.395	2.652	2.453	2.517	2.293	2.416	2.244	2.424	5.64
7) S	Phenol-d6	2.007	1.851	1.810	1.732	1.605	1.679	1.603	1.755	8.31
8)	2-Chlorophenol	1.599	1.598	1.481	1.433	1.474	1.494	1.244	1.475	8.13
9)	Benzaldehyde	0.981	0.927	0.884	0.877	0.868	0.883	0.790	0.887	6.55
10) C	Phenol	2.235	2.102	2.081	1.957	1.940	1.895	2.074	2.041	5.75
11)	bis(2-Chloroet...	1.767	1.566	1.648	1.664	1.318	1.517	1.456	1.562	9.52
12)	1,3-Dichlorobe...	1.597	1.598	1.492	1.443	1.334	1.421	1.406	1.470	6.73
13) C	1,4-Dichlorobe...	1.546	1.598	1.633	1.593	1.398	1.412	1.272	1.493	8.97
14)	1,2-Dichlorobe...	1.570	1.513	1.363	1.341	1.441	1.523	1.319	1.439	6.93
15)	Benzyl Alcohol	1.394	1.501	1.318	1.281	1.365	1.310	1.172	1.334	7.64
16)	2,2'-oxybis(1-...	2.932	2.944	2.881	2.836	2.388	2.416	2.151	2.650	12.19
17)	2-Methylphenol	1.192	1.242	1.276	1.205	1.198	1.259	1.117	1.213	4.39
18)	Hexachloroethane	0.563	0.589	0.609	0.601	0.586	0.612	0.559	0.589	3.56
19) P	n-Nitroso-di-n...	1.427	1.392	1.237	1.356	1.170	1.311	1.116	1.287	9.03
20)	3+4-Methylphenols	1.746	1.746	1.594	1.665	1.348	1.471	1.418	1.570	10.19
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.507	0.515	0.492	0.454	0.486	0.457	0.406	0.474	7.94
23) S	Nitrobenzene-d5	0.441	0.424	0.433	0.424	0.377	0.408	0.371	0.411	6.64
24)	Nitrobenzene	0.418	0.447	0.405	0.390	0.444	0.394	0.359	0.408	7.61
25)	Isophorone	0.799	0.829	0.730	0.735	0.708	0.741	0.720	0.752	5.95
26) C	2-Nitrophenol	0.154	0.174	0.178	0.170	0.172	0.190	0.192	0.176	7.30
27)	2,4-Dimethylph...	0.373	0.368	0.340	0.315	0.343	0.350	0.302	0.342	7.64
28)	bis(2-Chloroet...	0.460	0.444	0.493	0.484	0.402	0.405	0.423	0.445	8.21
29) C	2,4-Dichloroph...	0.268	0.272	0.252	0.240	0.264	0.279	0.243	0.260	5.70
30)	1,2,4-Trichlor...	0.269	0.277	0.284	0.278	0.253	0.259	0.254	0.268	4.71
31)	Naphthalene	1.105	1.093	0.962	0.913	0.882	0.919	0.879	0.965	9.94
32)	Benzoic acid		0.194	0.228	0.231	0.264	0.277	0.231	0.238	12.34
33)	4-Chloroaniline	0.364	0.424	0.446	0.426	0.361	0.378	0.393	0.399	8.36
34) C	Hexachlorobuta...	0.129	0.139	0.154	0.150	0.157	0.165	0.153	0.150	8.10
35)	Caprolactam	0.090	0.081	0.094	0.088	0.078	0.088	0.094	0.087	6.96
36) C	4-Chloro-3-met...	0.342	0.313	0.335	0.342	0.312	0.348	0.285	0.325	7.03
37)	2-Methylnaphth...	0.618	0.605	0.636	0.631	0.560	0.550	0.489	0.584	9.14

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.517	0.526	0.487	0.498	0.543	0.588	0.532	0.527	6.31
40) P	Hexachlorocycl...	0.226	0.257	0.283	0.303	0.315	0.331	0.308	0.289	12.65
41) S	2,4,6-Tribromo...	0.159	0.161	0.158	0.175	0.163	0.164	0.159	0.163	3.66
42) C	2,4,6-Trichlor...	0.329	0.358	0.411	0.417	0.336	0.352	0.343	0.364	9.78
43)	2,4,5-Trichlor...	0.327	0.374	0.337	0.333	0.340	0.368	0.330	0.344	5.51
44) S	2-Fluorobiphenyl	1.313	1.267	1.312	1.348	0.993	0.969	1.200		14.32
45)	1,1'-Biphenyl	1.713	1.648	1.490	1.543	1.446	1.388	1.146	1.482	12.56
46)	2-Chloronaphth...	1.145	1.146	1.188	1.239	1.000	0.996	0.952	1.095	10.14
47)	2-Nitroaniline	0.457	0.484	0.421	0.461	0.429	0.415	0.357	0.432	9.54
48)	Acenaphthylene	1.981	2.105	1.810	1.767	1.741	1.772	1.472	1.807	11.04
49)	Dimethylphthalate	1.374	1.463	1.264	1.378	1.100	1.236	1.151	1.281	10.24
50)	2,6-Dinitrotol...	0.283	0.266	0.301	0.316	0.247	0.292	0.287	0.284	7.98
51) C	Acenaphthene	1.232	1.248	1.083	1.104	1.128	1.128	0.963	1.127	8.49
52)	3-Nitroaniline	0.310	0.382	0.324	0.370	0.279	0.319	0.342	0.332	10.69
53) P	2,4-Dinitrophenol		0.099	0.111	0.125	0.144	0.137	0.144	0.127	14.54
54)	Dibenzofuran	1.683	1.622	1.402	1.393	1.430	1.456	1.221	1.458	10.56
55) P	4-Nitrophenol	0.260	0.315	0.282	0.335	0.288	0.322	0.234	0.291	12.36
56)	2,4-Dinitrotol...	0.355	0.353	0.419	0.392	0.404	0.405	0.320	0.378	9.52
57)	Fluorene	1.406	1.387	1.220	1.236	1.170	1.188	0.971	1.225	11.93
58)	2,3,4,6-Tetrac...	0.252	0.263	0.233	0.245	0.271	0.284	0.250	0.257	6.62
59)	Diethylphthalate	1.515	1.399	1.388	1.333	1.224	1.277	1.141	1.325	9.34
60)	4-Chlorophenyl...	0.532	0.584	0.599	0.621	0.537	0.557	0.471	0.557	8.98
61)	4-Nitroaniline	0.324	0.351	0.351	0.332	0.311	0.361	0.312	0.335	6.04
62)	Azobenzene	1.722	1.552	1.640	1.722	1.418	1.418	1.242	1.531	11.76
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.091	0.113	0.130	0.128	0.145	0.121		16.76
65) c	n-Nitrosodiphe...	0.701	0.632	0.714	0.681	0.629	0.686	0.649	0.670	5.05
66)	4-Bromophenyl-...	0.180	0.182	0.202	0.215	0.200	0.206	0.188	0.196	6.55
67)	Hexachlorobenzene	0.211	0.206	0.214	0.237	0.220	0.228	0.212	0.218	5.02
68)	Atrazine	0.163	0.151	0.181	0.169	0.152	0.174	0.167	0.165	6.76
69) C	Pentachlorophenol	0.108	0.120	0.121	0.124	0.138	0.149	0.150	0.130	12.18
70)	Phenanthrene	1.118	1.095	1.095	1.055	0.912	0.928	0.967	1.024	8.44
71)	Anthracene	1.253	1.116	1.003	1.005	1.031	1.043	0.869	1.046	11.23
72)	Carbazole	1.131	1.004	1.024	1.065	0.866	0.869	0.843	0.972	11.59
73)	Di-n-butylphth...		1.349	1.350	1.298	1.066	1.058	0.974	1.182	14.23
74) C	Fluoranthene	1.126	1.060	0.955	0.917	0.994	1.008	0.972	1.005	6.94
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.496	0.493	0.505	0.540	0.569	0.553	0.526	6.15
77)	Pyrene	1.513	1.394	1.226	1.256	1.298	1.387	1.260	1.334	7.68
78) S	Terphenyl-d14	0.916	0.929	0.940	0.866	0.789	0.894	0.894	0.890	5.72
79)	Butylbenzylphth...	0.744	0.661	0.653	0.661	0.659	0.713	0.698	0.684	5.10
80)	Benzo(a)anthra...	1.252	1.198	1.112	1.111	1.018	1.102	1.061	1.122	7.07
81)	3,3'-Dichlorob...	0.415	0.426	0.384	0.359	0.418	0.430	0.416	0.407	6.38
82)	Chrysene	1.128	1.088	1.070	1.022	0.938	0.922	1.062	1.033	7.48

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83)	Bis(2-ethylhex...	1.113	1.088	1.014	0.990	0.854	0.902	0.848	0.973	11.05
84) c	Di-n-octyl pht...	1.736	1.660	1.456	1.424	1.259	1.280	1.278	1.442	13.30
85)	Indeno(1,2,3-c...	0.735	0.707	0.685	0.691	0.699	0.783	0.853	0.736	8.37
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.252	1.217	1.456	1.396	1.178	1.289	1.130	1.274	9.18
88)	Benzo(k)fluora...	1.212	1.256	1.092	1.126	1.251	1.300	1.139	1.197	6.54
89) C	Benzo(a)pyrene	1.060	1.064	1.138	1.138	1.061	1.128	1.098	1.098	3.35
90)	Dibenzo(a,h)an...	0.816	0.829	0.914	0.943	0.934	1.077	1.026	0.934	10.18
91)	Benzo(g,h,i)pe...	0.779	0.796	0.890	0.901	0.895	1.036	0.978	0.896	10.17

(#) = Out of Range