

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
 Method File : 8270-BF090518.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Sep 05 18:03:31 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF108773.D 10 =BF108774.D 25 =BF108775.D 40 =BF108776.D 50 =BF108777.D 60 =BF108778.D 80 =BF108779.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.636	0.592	0.581	0.572	0.578	0.555	0.549	0.580	4.93
3)	Pyridine	1.469	1.653	1.639	1.584	1.630	1.580	1.567	1.589	3.93
4)	n-Nitrosodimet...	0.595	0.607	0.607	0.618	0.622	0.609	0.614	0.610	1.45
5) S	2-Fluorophenol	1.434	1.355	1.236	1.161	1.138	1.092	1.035	1.207	11.91
6)	Aniline	2.412	2.251	2.169	2.063	2.013	1.914	1.802	2.089	9.89
7) S	Phenol-d6	1.863	1.745	1.592	1.501	1.473	1.384	1.315	1.553	12.57
8)	2-Chlorophenol	1.553	1.468	1.398	1.310	1.278	1.211	1.135	1.336	10.95
9)	Benzaldehyde	1.373	1.248	1.144	1.047	1.021	0.958	0.923	1.102	14.75
10) C	Phenol	2.137	2.002	1.836	1.749	1.670	1.565	1.494	1.779	13.01
11)	bis(2-Chloroet...	1.709	1.572	1.437	1.380	1.358	1.303	1.219	1.425	11.68
12)	1,3-Dichlorobe...	1.796	1.713	1.556	1.480	1.442	1.383	1.303	1.525	11.61
13) C	1,4-Dichlorobe...	1.839	1.701	1.566	1.481	1.445	1.357	1.286	1.525	12.68
14)	1,2-Dichlorobe...	1.752	1.615	1.476	1.360	1.310	1.203	1.123	1.406	15.93
15)	Benzyl Alcohol	1.344	1.314	1.252	1.181	1.163	1.086	1.005	1.192	10.21
16)	2,2'-oxybis(1-...	2.444	2.349	2.178	2.095	2.052	1.958	1.837	2.130	9.98
17)	2-Methylphenol	1.258	1.204	1.137	1.113	1.102	1.065	1.027	1.129	7.02
18)	Hexachloroethane	0.613	0.584	0.561	0.544	0.531	0.521	0.494	0.550	7.28
19) P	n-Nitroso-di-n...	1.271	1.160	1.079	1.047	1.033	1.003	0.965	1.080	9.65
20)	3+4-Methylphenols	1.695	1.565	1.369	1.237	1.205	1.130	1.058	1.323	17.68
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.587	0.513	0.460	0.432	0.408	0.399	0.378	0.454	16.24
23) S	Nitrobenzene-d5	0.304	0.320	0.331	0.330	0.324	0.320	0.308	0.320	3.26
24)	Nitrobenzene	0.339	0.353	0.357	0.355	0.345	0.331	0.321	0.343	3.99
25)	Isophorone	0.725	0.671	0.636	0.623	0.608	0.612	0.587	0.637	7.30
26) C	2-Nitrophenol	0.103	0.126	0.141	0.144	0.149	0.148	0.148	0.135	13.25
27)	2,4-Dimethylph...	0.310	0.294	0.280	0.273	0.257	0.258	0.248	0.274	8.09
28)	bis(2-Chloroet...	0.499	0.473	0.436	0.418	0.398	0.390	0.370	0.426	10.90
29) C	2,4-Dichloroph...	0.303	0.301	0.292	0.285	0.274	0.270	0.256	0.283	6.06
30)	1,2,4-Trichlor...	0.364	0.338	0.315	0.302	0.285	0.279	0.263	0.307	11.45
31)	Naphthalene	1.147	1.034	0.943	0.877	0.816	0.773	0.709	0.900	17.04
32)	Benzoic acid	0.106	0.155	0.177	0.165	0.203	0.202	0.168	0.168	21.30
33)	4-Chloroaniline	0.508	0.461	0.432	0.404	0.375	0.364	0.348	0.413	13.90
34) C	Hexachlorobuta...	0.217	0.200	0.185	0.181	0.172	0.169	0.158	0.183	10.95
35)	Caprolactam	0.108	0.103	0.098	0.092	0.090	0.091	0.089	0.096	7.52
36) C	4-Chloro-3-met...	0.339	0.323	0.314	0.298	0.285	0.282	0.269	0.301	8.28
37)	2-Methylnaphth...	0.756	0.683	0.624	0.569	0.543	0.513	0.474	0.594	16.70

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
 Method File : 8270-BF090518.M

38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.740	0.675	0.620	0.587	0.546	0.528	0.489	0.598	14.70
40) P	Hexachlorocycl...	0.295	0.301	0.304	0.315	0.301	0.302	0.288	0.301	2.78
41) S	2,4,6-Tribromo...	0.196	0.205	0.201	0.192	0.186	0.183	0.173	0.191	5.81
42) C	2,4,6-Trichlor...	0.402	0.405	0.428	0.421	0.398	0.411	0.385	0.407	3.55
43)	2,4,5-Trichlor...	0.410	0.455	0.435	0.437	0.420	0.410	0.390	0.422	5.13
44) S	2-Fluorobiphenyl	1.528	1.312	1.177	1.079	1.016	0.922	1.172		18.78
45)	1,1'-Biphenyl	1.992	1.793	1.625	1.481	1.392	1.298	1.196	1.540	18.32
46)	2-Chloronaphth...	1.538	1.411	1.301	1.231	1.143	1.087	1.006	1.245	15.00
47)	2-Nitroaniline	0.279	0.335	0.359	0.356	0.364	0.347	0.340		9.32
48)	Acenaphthylene	2.357	2.155	1.966	1.802	1.670	1.590	1.452	1.856	17.37
49)	Dimethylphthalate	1.731	1.577	1.462	1.349	1.280	1.249	1.144	1.399	14.59
50)	2,6-Dinitrotol...	0.177	0.251	0.286	0.293	0.287	0.293	0.279	0.267	15.79
51) C	Acenaphthene	1.414	1.285	1.197	1.112	1.058	1.024	0.950	1.149	14.01
52)	3-Nitroaniline	0.218	0.308	0.346	0.344	0.345	0.337	0.323	0.317	14.45
53) P	2,4-Dinitrophenol	0.042	0.063	0.078	0.086	0.095	0.100	0.078		28.13
54)	Dibenzofuran	2.196	1.944	1.766	1.593	1.512	1.417	1.291	1.674	18.89
55) P	4-Nitrophenol	0.163	0.220	0.250	0.261	0.255	0.262	0.250	0.237	14.95
56)	2,4-Dinitrotol...	0.282	0.337	0.363	0.354	0.363	0.345	0.341		8.96
57)	Fluorene	1.386	1.202	1.062	0.997	0.934	0.866	1.074		17.78
58)	2,3,4,6-Tetrac...	0.335	0.350	0.358	0.351	0.343	0.339	0.307	0.340	4.95
59)	Diethylphthalate	1.780	1.600	1.504	1.417	1.337	1.299	1.168	1.444	14.13
60)	4-Chlorophenyl...	0.732	0.644	0.571	0.538	0.505	0.454	0.574		17.46
61)	4-Nitroaniline	0.222	0.263	0.299	0.307	0.309	0.306	0.306	0.287	11.49
62)	Azobenzene	1.880	1.715	1.557	1.446	1.353	1.293	1.186	1.490	16.42
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.043	0.061	0.074	0.078	0.084	0.084	0.070		22.95
65) c	n-Nitrosodiphe...	0.845	0.752	0.678	0.644	0.605	0.587	0.545	0.665	15.60
66)	4-Bromophenyl-...	0.275	0.249	0.231	0.220	0.213	0.204	0.190	0.226	12.74
67)	Hexachlorobenzene	0.300	0.267	0.243	0.234	0.224	0.215	0.204	0.241	13.69
68)	Atrazine	0.255	0.231	0.213	0.206	0.203	0.197	0.184	0.213	11.03
69) C	Pentachlorophenol	0.116	0.139	0.155	0.159	0.158	0.155	0.150	0.147	10.51
70)	Phenanthrene	1.257	1.126	0.991	0.913	0.848	0.809	0.741	0.955	19.20
71)	Anthracene	1.132	1.015	0.920	0.869	0.801	0.749	0.914		15.46
72)	Carbazole	1.281	1.115	0.989	0.912	0.870	0.821	0.752	0.963	18.99
73)	Di-n-butylphth...	1.353	1.179	1.069	1.013	0.943	0.859	1.069		16.50
74) C	Fluoranthene	1.166	1.043	0.952	0.898	0.843	0.772	0.946		15.02
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	1.008	0.951	0.935	0.978	0.960	0.934	0.869	0.948	4.55
77)	Pvrene	1.622	1.504	1.485	1.568	1.531	1.549	1.514	1.539	2.98
78) S	Terphenyl-d14	0.995	0.883	0.822	0.839	0.822	0.831	0.812	0.858	7.57
79)	Butylbenzylpht...	0.571	0.625	0.668	0.734	0.736	0.769	0.749	0.693	10.61
80)	Benzo(a)anthra...	1.389	1.300	1.269	1.278	1.257	1.261	1.219	1.282	4.16
81)	3,3'-Dichlorob...	0.500	0.505	0.512	0.511	0.483	0.509	0.475	0.499	2.94
82)	Chrysene	1.335	1.250	1.216	1.262	1.186	1.237	1.201	1.241	3.97

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
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83)	Bis(2-ethylhex...	0.828	0.832	0.850	0.923	0.890	0.910	0.865	0.871	4.31
84) c	Di-n-octyl pht...	1.364	1.441	1.449	1.493	1.454	1.522	1.440	1.452	3.40
85)	Indeno(1,2,3-c...	1.183	1.021	0.977	1.082	1.134	1.113	1.178	1.098	7.04
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.279	1.150	1.153	1.046	0.990	1.042	0.953	1.088	10.37
88)	Benzo(k)fluora...	1.119	1.129	1.013	1.007	0.969	0.912	0.861	1.001	9.91
89) C	Benzo(a)pyrene	1.127	1.054	1.000	0.960	0.934	0.924	0.870	0.981	8.84
90)	Dibenzo(a,h)an...	0.986	0.876	0.849	0.869	0.867	0.819	0.788	0.865	7.19
91)	Benzo(g,h,i)pe...	0.942	0.821	0.840	0.879	0.898	0.843	0.838	0.866	4.96

(#) = Out of Range