

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF050818.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed May 09 12:00:41 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF105138.D 10 =BF105139.D 25 =BF105140.D 40 =BF105172.D 50 =BF105142.D 60 =BF105143.D 80 =BF105144.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.742	0.661	0.628	0.619	0.623	0.607	0.612	0.642	7.42
3)	Pyridine	1.706	1.720	1.749	1.724	1.724	1.709	1.718	1.721	0.82
4)	n-Nitrosodimet...	0.839	0.855	0.876	0.889	0.894	0.876	0.878	0.872	2.21
5) S	2-Fluorophenol	1.157	1.281	1.276	1.238	1.220	1.189	1.137	1.214	4.61
6)	Aniline	2.168	2.207	2.144	2.121	2.093	2.056	1.990	2.111	3.44
7) S	Phenol-d6	1.395	1.519	1.493	1.465	1.457	1.419	1.371	1.446	3.68
8)	2-Chlorophenol	1.231	1.357	1.357	1.321	1.309	1.252	1.188	1.288	5.07
9)	Benzaldehyde	1.201	1.235	1.178	1.123	1.072	1.017	0.930	1.108	9.84
10) C	Phenol	1.521	1.697	1.664	1.617	1.585	1.698	1.479	1.609	5.33
11)	bis(2-Chloroet...	1.460	1.434	1.349	1.313	1.297	1.231	1.198	1.326	7.34
12)	1,3-Dichlorobe...	1.766	1.657	1.571	1.539	1.513	1.451	1.370	1.552	8.41
13) C	1,4-Dichlorobe...	1.750	1.687	1.584	1.528	1.485	1.442	1.390	1.552	8.39
14)	1,2-Dichlorobe...	1.646	1.574	1.495	1.412	1.375	1.306	1.216	1.432	10.51
15)	Benzyl Alcohol	1.085	1.147	1.145	1.122	1.110	1.029	1.106		4.02
16)	2,2'-oxybis(1-...	2.643	2.635	2.523	2.478	2.410	2.326	2.233	2.464	6.21
17)	2-Methylphenol	1.044	1.159	1.146	1.137	1.123	1.100	1.073	1.112	3.76
18)	Hexachloroethane	0.470	0.506	0.506	0.522	0.509	0.503	0.481	0.499	3.56
19) P	n-Nitroso-di-n...	0.924	0.987	0.991	0.969	0.964	0.933	0.933	0.957	2.86
20)	3+4-Methylphenols	1.281	1.430	1.414	1.333	1.300	1.238	1.152	1.307	7.46
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.555	0.522	0.482	0.454	0.439	0.424	0.388	0.466	12.42
23) S	Nitrobenzene-d5	0.238	0.295	0.311	0.310	0.314	0.302	0.295		9.74
24)	Nitrobenzene	0.310	0.342	0.344	0.344	0.341	0.327	0.335		4.12
25)	Isophorone	0.652	0.688	0.675	0.658	0.651	0.654	0.642	0.660	2.37
26) C	2-Nitrophenol	0.043	0.086	0.120	0.134	0.145	0.149	0.113		36.38#
27)	2,4-Dimethylph...	0.241	0.298	0.311	0.307	0.301	0.304	0.291	0.293	8.18
28)	bis(2-Chloroet...	0.422	0.433	0.422	0.412	0.398	0.391	0.374	0.407	5.09
29) C	2,4-Dichloroph...	0.257	0.283	0.284	0.280	0.276	0.265	0.274		3.99
30)	1,2,4-Trichlor...	0.352	0.341	0.324	0.317	0.302	0.299	0.280	0.316	7.95
31)	Naphthalene	1.141	1.057	0.998	0.935	0.899	0.885	0.827	0.963	11.30
32)	Benzoic acid	0.047	0.097	0.159	0.181	0.195	0.215	0.149		43.18
33)	4-Chloroaniline	0.426	0.431	0.422	0.401	0.389	0.376	0.358	0.400	6.95
34) C	Hexachlorobuta...	0.203	0.195	0.190	0.183	0.176	0.173	0.164	0.183	7.29
35)	Caprolactam	0.066	0.083	0.090	0.088	0.089	0.085	0.083		10.78
36) C	4-Chloro-3-met...	0.278	0.295	0.293	0.284	0.287	0.277	0.286		2.64
37)	2-Methylnaphth...	0.773	0.740	0.706	0.661	0.630	0.619	0.570	0.671	10.72

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF050818.M

38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	0.726	0.691	0.668	0.629	0.613	0.582	0.546	0.636	9.91
40)	P	Hexachlorocycl...		0.263	0.328	0.361	0.373	0.369	0.371	0.344	12.50
41)	S	2,4,6-Tribromo...		0.193	0.226	0.230	0.230	0.226	0.220	0.221	6.46
42)	C	2,4,6-Trichlor...		0.342	0.397	0.406	0.405	0.390	0.391	0.388	6.13
43)		2,4,5-Trichlor...		0.379	0.419	0.418	0.415	0.410	0.394	0.406	3.91
44)	S	2-Fluorobiphenyl		1.539	1.362	1.249	1.175	1.117		1.289	12.99
45)		1,1'-Biphenyl	1.902	1.818	1.722	1.603	1.541	1.472	1.348	1.630	12.06
46)		2-Chloronaphth...	1.365	1.336	1.268	1.221	1.170	1.118	1.047	1.218	9.47
47)		2-Nitroaniline		0.168	0.297	0.345	0.355	0.364	0.367	0.316	24.35
48)		Acenaphthylene	2.011	2.079	1.980	1.886	1.841	1.748	1.622	1.881	8.47
49)		Dimethylphthalate	1.217	1.439	1.420	1.402	1.380	1.328	1.293	1.354	5.87
50)		2,6-Dinitrotol...		0.228	0.289	0.312	0.312	0.311	0.311	0.294	11.45
51)	C	Acenaphthene	1.364	1.305	1.233	1.194	1.171	1.145	1.074	1.212	8.07
52)		3-Nitroaniline		0.243	0.307	0.320	0.333	0.330	0.323	0.309	10.88
53)	P	2,4-Dinitrophenol		0.023	0.047	0.078	0.099	0.116	0.133	0.083	50.55
54)		Dibenzofuran	2.009	1.971	1.861	1.753	1.698	1.630	1.492	1.773	10.49
55)	P	4-Nitrophenol		0.162	0.234	0.269	0.272	0.276	0.275	0.248	18.14
56)		2,4-Dinitrotol...		0.254	0.351	0.388	0.399	0.406	0.396	0.365	15.88
57)		Fluorene	1.564	1.526	1.363	1.261	1.205	1.136	1.048	1.300	14.91
58)		2,3,4,6-Tetrac...		0.333	0.374	0.382	0.374	0.358	0.352	0.362	4.96
59)		Diethylphthalate	1.110	1.430	1.423	1.398	1.366	1.322	1.267	1.331	8.51
60)		4-Chlorophenyl...		0.730	0.658	0.613	0.577	0.556	0.498	0.605	13.45
61)		4-Nitroaniline		0.247	0.299	0.320	0.327	0.331	0.324	0.308	10.31
62)		Azobenzene	1.519	1.524	1.433	1.393	1.348	1.278	1.222	1.388	8.27
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...		0.020	0.045	0.066	0.078	0.087	0.096	0.065	43.55
65)	c	n-Nitrosodiphe...	0.694	0.680	0.647	0.614	0.599	0.574	0.556	0.623	8.39
66)		4-Bromophenyl-...	0.218	0.231	0.225	0.214	0.209	0.202	0.194	0.213	6.00
67)		Hexachlorobenzene	0.275	0.258	0.256	0.244	0.236	0.228	0.223	0.246	7.58
68)		Atrazine		0.194	0.208	0.200	0.196	0.191	0.184	0.195	4.16
69)	C	Pentachlorophenol		0.091	0.131	0.142	0.143	0.145	0.143	0.132	15.83
70)		Phenanthrene	1.241	1.187	1.106	1.020	0.986	0.957	0.884	1.054	12.20
71)		Anthracene	1.196	1.202	1.147	1.062	1.017	0.974	0.901	1.071	10.78
72)		Carbazole	1.038	1.071	1.026	0.959	0.922	0.892	0.850	0.965	8.55
73)		Di-n-butylphth...		1.003	1.114	1.082	1.035	0.997	0.963	1.033	5.48
74)	C	Fluoranthene	1.146	1.228	1.181	1.089	1.052	1.030	0.965	1.099	8.36
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine		0.629	0.791	0.795	0.806	0.760	0.700	0.747	9.28
77)		Pyrene	1.535	1.495	1.464	1.448	1.466	1.401	1.373	1.455	3.74
78)	S	Terphenyl-d14	1.002	0.938	0.876	0.829	0.847	0.785	0.751	0.861	10.05
79)		Butylbenzylpht...		0.214	0.408	0.500	0.551	0.555	0.551	0.463	29.01
80)		Benzo(a)anthra...	1.205	1.326	1.263	1.234	1.223	1.142	1.097	1.213	6.24
81)		3,3'-Dichlorob...		0.380	0.468	0.488	0.479	0.469	0.452	0.456	8.54
82)		Chrysene	1.323	1.301	1.277	1.232	1.252	1.197	1.162	1.249	4.54

Method Path : Z:\HPCHEM1\BNA_F\METHODS\

Method File : 8270-BF050818.M

83)	Bis(2-ethylhex...	0.428	0.611	0.646	0.666	0.638	0.620	0.601	14.51
84) c	Di-n-octyl pht...	0.498	0.933	1.138	1.181	1.196	1.249	1.032	27.50
85)	Indeno(1,2,3-c...	0.911	0.992	1.013	0.991	1.002	1.031	0.990	4.17
86) I	Perylene-d12	-----ISTD-----							
87)	Benzo(b)fluora...	1.107	1.168	1.295	1.302	1.231	1.246	1.215	5.64
88)	Benzo(k)fluora...	1.176	1.337	1.224	1.164	1.216	1.135	1.054	7.35
89) C	Benzo(a)pyrene	0.979	1.117	1.180	1.170	1.146	1.124	1.073	6.20
90)	Dibenzo(a,h)an...	0.812	0.865	0.866	0.886	0.890	0.868	0.864	3.24
91)	Benzo(g,h,i)pe...	0.699	0.835	0.848	0.851	0.898	0.895	0.892	8.25

(#) = Out of Range