

Method Path : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\
 Method File : 8270-BM122718.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Dec 27 14:18:47 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BM018388.D 10 =BM018389.D 25 =BM018390.D 40 =BM018391.D 50 =BM018392.D 60 =BM018393.D 80 =BM018394.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.458	0.449	0.453	0.416	0.423	0.417	0.408	0.432	4.78
3)	Pyridine	0.974	1.201	1.270	1.197	1.250	1.241	1.209	1.192	8.37
4)	n-Nitrosodimet...		0.433	0.490	0.484	0.501	0.510	0.498	0.486	5.69
5) S	2-Fluorophenol	1.010	1.064	1.092	1.035	1.083	1.079	1.061	1.061	2.76
6)	Aniline	1.817	1.820	1.890	1.797	1.860	1.869	1.809	1.837	1.91
7) S	Phenol-d6	1.326	1.422	1.537	1.463	1.534	1.534	1.495	1.473	5.30
8)	2-Chlorophenol	1.196	1.260	1.324	1.259	1.315	1.312	1.289	1.279	3.53
9)	Benzaldehyde	1.260	1.145	1.069	0.931	0.936	0.863		1.034	14.60
10) C	Phenol	1.481	1.479	1.576	1.479	1.547	1.542	1.505	1.515	2.61
11)	bis(2-Chloroet...	1.075	1.193	1.238	1.166	1.213	1.211	1.173	1.181	4.48
12)	1,3-Dichlorobe...	1.589	1.554	1.543	1.448	1.490	1.469	1.427	1.503	4.00
13) C	1,4-Dichlorobe...	1.620	1.555	1.574	1.471	1.516	1.499	1.453	1.527	3.89
14)	1,2-Dichlorobe...	1.629	1.523	1.534	1.428	1.484	1.471	1.418	1.498	4.82
15)	Benzyl Alcohol	1.066	1.058	1.179	1.131	1.191	1.204	1.176	1.143	5.26
16)	2,2'-oxybis(1-...	1.981	1.899	1.952	1.828	1.887	1.848	1.772	1.881	3.84
17)	2-Methylphenol	1.054	1.072	1.091	1.043	1.100	1.092	1.063	1.074	1.99
18)	Hexachloroethane	0.568	0.542	0.557	0.530	0.549	0.539	0.530	0.545	2.60
19) P	n-Nitroso-di-n...	1.136	1.143	1.166	1.093	1.122	1.120	1.075	1.122	2.73
20)	3+4-Methylphenols	1.250	1.380	1.506	1.426	1.521	1.515	1.484	1.440	6.84
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.520	0.508	0.517	0.482	0.508	0.510	0.509	0.508	2.42
23) S	Nitrobenzene-d5	0.332	0.337	0.355	0.334	0.360	0.359	0.361	0.348	3.79
24)	Nitrobenzene	0.336	0.332	0.351	0.332	0.351	0.355	0.356	0.345	3.15
25)	Isophorone	0.589	0.597	0.617	0.574	0.618	0.617	0.619	0.604	2.97
26) C	2-Nitrophenol		0.089	0.121	0.127	0.144	0.154	0.167	0.134	20.65
27)	2,4-Dimethylph...	0.240	0.232	0.254	0.241	0.261	0.260	0.264	0.250	4.93
28)	bis(2-Chloroet...	0.355	0.365	0.392	0.366	0.393	0.391	0.392	0.379	4.34
29) C	2,4-Dichloroph...	0.203	0.250	0.288	0.278	0.303	0.305	0.311	0.277	13.95
30)	1,2,4-Trichlor...	0.335	0.337	0.345	0.321	0.344	0.345	0.347	0.339	2.67
31)	Naphthalene	0.981	0.953	0.976	0.916	0.979	0.974	0.969	0.964	2.41
32)	Benzoic acid		0.086	0.119	0.128	0.150	0.170	0.184	0.139	25.70
33)	4-Chloroaniline	0.421	0.426	0.451	0.423	0.455	0.458	0.458	0.442	3.94
34) C	Hexachlorobuta...	0.211	0.205	0.208	0.194	0.206	0.208	0.209	0.206	2.80
35)	Caprolactam		0.084	0.100	0.098	0.107	0.111	0.113	0.102	10.42
36) C	4-Chloro-3-met...	0.249	0.285	0.330	0.309	0.338	0.340	0.346	0.314	11.38
37)	2-Methylnaphth...	0.714	0.708	0.721	0.664	0.712	0.715	0.708	0.706	2.67

Method	Path : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\									
Method	File : 8270-BM122718.M									
38)	1-Methylnaphth...	0.692	0.685	0.700	0.647	0.698	0.693	0.688	0.686	2.61
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.601	0.615	0.632	0.601	0.642	0.643	0.649	0.626	3.27
41) P	Hexachlorocycl...	0.252	0.262	0.303	0.299	0.324	0.338	0.347	0.304	11.97
42) S	2,4,6-Tribromo...		0.215	0.249	0.243	0.266	0.272	0.280	0.254	9.30
43) C	2,4,6-Trichlor...	0.265	0.311	0.366	0.358	0.387	0.397	0.404	0.356	14.24
44)	2,4,5-Trichlor...		0.329	0.392	0.374	0.405	0.411	0.421	0.389	8.60
45) S	2-Fluorobiphenyl	1.498	1.485	1.499	1.410	1.487	1.489	1.468	1.477	2.10
46)	1,1'-Biphenyl	1.719	1.712	1.736	1.642	1.719	1.725	1.711	1.709	1.80
47)	2-Chloronaphth...	1.296	1.300	1.332	1.258	1.321	1.327	1.329	1.309	2.03
48)	2-Nitroaniline		0.274	0.341	0.342	0.371	0.386	0.393	0.351	12.44
49)	Acenaphthylene	1.990	1.997	2.062	1.924	2.047	2.053	2.035	2.015	2.42
50)	Dimethylphthalate	1.611	1.639	1.704	1.613	1.710	1.716	1.704	1.671	2.85
51)	2,6-Dinitrotol...		0.304	0.348	0.337	0.365	0.373	0.376	0.351	7.83
52) C	Acenaphthene	1.215	1.221	1.227	1.161	1.230	1.232	1.226	1.216	2.04
53)	3-Nitroaniline		0.327	0.386	0.374	0.409	0.419	0.425	0.390	9.42
54) P	2,4-Dinitrophenol		0.060	0.079	0.082	0.102	0.115	0.136	0.096	28.62
55)	Dibenzofuran	2.027	1.987	2.026	1.893	1.986	2.027	1.983	1.990	2.39
56) P	4-Nitrophenol		0.208	0.284	0.287	0.316	0.329	0.342	0.294	16.32
57)	2,4-Dinitrotol...		0.365	0.470	0.458	0.503	0.518	0.532	0.474	12.78
58)	Fluorene	1.553	1.545	1.571	1.471	1.571	1.574	1.563	1.550	2.34
59)	2,3,4,6-Tetrac...		0.295	0.353	0.342	0.377	0.387	0.399	0.359	10.59
60)	Diethylphthalate	1.614	1.716	1.795	1.690	1.813	1.802	1.804	1.748	4.35
61)	4-Chlorophenyl...	0.866	0.845	0.858	0.812	0.858	0.859	0.863	0.852	2.18
62)	4-Nitroaniline		0.338	0.407	0.404	0.437	0.448	0.458	0.415	10.49
63)	Azobenzene	1.594	1.597	1.630	1.516	1.612	1.607	1.595	1.593	2.28
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.046	0.070	0.074	0.088	0.096	0.109	0.080	27.73
66) c	n-Nitrosodiphe...	0.600	0.614	0.642	0.601	0.638	0.632	0.636	0.623	2.89
67)	4-Bromophenyl-...	0.206	0.216	0.222	0.211	0.221	0.223	0.225	0.218	3.29
68)	Hexachlorobenzene	0.247	0.245	0.252	0.234	0.249	0.250	0.250	0.247	2.53
69)	Atrazine	0.188	0.218	0.240	0.229	0.244	0.248	0.251	0.231	9.51
70) C	Pentachlorophenol		0.109	0.143	0.144	0.159	0.163		0.144	14.78
71)	Phenanthrene	1.045	1.053	1.080	1.010	1.076	1.077	1.069	1.059	2.38
72)	Anthracene	1.010	1.046	1.082	1.013	1.071	1.086	1.075	1.055	3.06
73)	Carbazole	1.040	1.083	1.145	1.070	1.133	1.141	1.143	1.108	3.85
74)	Di-n-butylphth...	0.962	1.183	1.326	1.264	1.362	1.357	1.359	1.259	11.63
75) C	Fluoranthene	1.186	1.231	1.267	1.217	1.294	1.289	1.292	1.254	3.40
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.422	0.517	0.589	0.622	0.622	0.644	0.586	0.572	13.59
78)	Pyrene	1.113	1.143	1.208	1.118	1.180	1.195	1.171	1.161	3.20
79) S	Terphenyl-d14	0.977	0.957	1.006	0.912	0.973	0.946	0.798	0.939	7.27
80)	Butylbenzylphth...		0.309	0.454	0.457	0.517	0.563	0.565	0.478	20.04
81)	Benzo(a)anthra...	1.171	1.151	1.200	1.127	1.205	1.193	1.176	1.175	2.39
82)	3,3'-Dichlorob...	0.340	0.420	0.474	0.456	0.492	0.495	0.482	0.451	12.27

Method Path : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\

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83)	Chrysene	1.137	1.144	1.143	1.087	1.150	1.142	1.130	1.133	1.88
84)	Bis(2-ethylhex...	0.600	0.763	0.753	0.827	0.905	0.847	0.783		13.51
85) c	Di-n-octyl pht...	0.964	1.249	1.268	1.398	1.502	1.381	1.294		14.39
86)	Indeno(1,2,3-c...	1.352	1.384	1.370	1.387	1.461	1.460	1.406	1.403	3.05
87) I	Perylene-d12	-----ISTD-----								
88)	Benzo(b)fluora...	1.054	1.068	1.148	1.079	1.123	1.171	1.166	1.116	4.35
89)	Benzo(k)fluora...	1.038	1.103	1.147	1.076	1.166	1.129	1.152	1.116	4.15
90) C	Benzo(a)pyrene	0.985	1.035	1.105	1.039	1.103	1.114	1.121	1.072	4.86
91)	Dibenzo(a,h)an...	1.059	1.094	1.124	1.088	1.150	1.158	1.140	1.116	3.29
92)	Benzo(g,h,i)pe...	1.009	1.048	1.071	1.049	1.104	1.113	1.087	1.069	3.41

(#) = Out of Range