

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG050118.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon May 21 18:05:50 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BG034075.D 10 =BG034076.D 25 =BG034077.D 40 =BG034078.D 50 =BG034079.D 60 =BG034080.D 80 =BG034081.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.617	0.558	0.473	0.471	0.542	0.496	0.483	0.520	10.51
3)	Pyridine	1.574	1.667	1.672	1.756	1.596	1.522	1.631		5.13
4)	n-Nitrosodimet...	0.872	0.844	0.890	0.898	0.921	0.900	0.901	0.889	2.79
5) S	2-Fluorophenol	1.323	1.229	1.236	1.197	1.273	1.233	1.175	1.238	3.93
6)	Aniline	2.599	2.664	2.646	2.587	2.701	2.580	2.571	2.621	1.88
7) S	Phenol-d6	2.001	1.966	1.927	1.870	1.931	1.917	1.880	1.927	2.39
8)	2-Chlorophenol	1.284	1.272	1.203	1.218	1.275	1.215	1.179	1.235	3.34
9)	Benzaldehyde	1.365	1.258	1.034	0.993	0.878	0.733	1.043		22.52
10) C	Phenol	1.830	2.017	1.954	1.937	1.981	1.975	1.912	1.944	3.11
11)	bis(2-Chloroet...	1.565	1.608	1.473	1.492	1.582	1.509	1.482	1.530	3.51
12)	1,3-Dichlorobe...	1.877	1.471	1.543	1.529	1.556	1.510	1.453	1.563	9.18
13) C	1,4-Dichlorobe...	1.763	1.498	1.549	1.503	1.519	1.539	1.494	1.552	6.15
14)	1,2-Dichlorobe...	1.611	1.509	1.443	1.444	1.479	1.409	1.424	1.474	4.67
15)	Benzyl Alcohol	1.960	1.944	2.082	2.072	2.144	2.123	2.066	2.056	3.72
16)	2,2'-oxybis(1-...	2.130	2.114	2.139	2.076	2.180	2.046	2.052	2.105	2.35
17)	2-Methylphenol	1.212	1.215	1.307	1.291	1.305	1.328	1.296	1.279	3.62
18)	Hexachloroethane	0.776	0.692	0.603	0.643	0.640	0.642	0.626	0.660	8.71
19) P	n-Nitroso-di-n...	1.785	1.746	1.761	1.723	1.720	1.694	1.685	1.731	2.07
20)	3+4-Methylphenols	1.895	1.869	1.901	1.866	1.956	1.886	1.887	1.894	1.58
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.676	0.720	0.692	0.664	0.692	0.656	0.669	0.681	3.20
23) S	Nitrobenzene-d5	0.483	0.505	0.514	0.528	0.549	0.536	0.535	0.521	4.26
24)	Nitrobenzene	0.541	0.575	0.564	0.574	0.591	0.571	0.579	0.571	2.69
25)	Isophorone	1.142	1.074	1.046	1.054	1.072	1.033	1.023	1.063	3.72
26) C	2-Nitrophenol	0.131	0.141	0.144	0.166	0.177	0.172	0.175	0.158	11.95
27)	2,4-Dimethylph...	0.296	0.297	0.318	0.312	0.313	0.302	0.306	0.306	2.76
28)	bis(2-Chloroet...	0.582	0.541	0.495	0.520	0.518	0.506	0.494	0.522	5.94
29) C	2,4-Dichloroph...	0.367	0.375	0.360	0.364	0.375	0.354	0.368	0.366	2.06
30)	1,2,4-Trichlor...	0.453	0.465	0.425	0.427	0.444	0.431	0.441	0.441	3.34
31)	Naphthalene	1.048	1.047	1.072	1.045	1.056	1.045	1.046	1.051	0.93
32)	Benzoic acid	0.190	0.220	0.291	0.278	0.265	0.302	0.257		16.99
33)	4-Chloroaniline	0.429	0.480	0.491	0.478	0.490	0.477	0.472	0.474	4.39
34) C	Hexachlorobuta...	0.389	0.372	0.370	0.364	0.380	0.369	0.368	0.373	2.28
35)	Caprolactam	0.129	0.139	0.137	0.126	0.130	0.128	0.120	0.130	5.01
36) C	4-Chloro-3-met...	0.466	0.490	0.472	0.478	0.487	0.460	0.469	0.475	2.34
37)	2-Methylnaphth...	0.899	0.862	0.869	0.828	0.865	0.821	0.822	0.852	3.44

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG050118.M

38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.799	0.809	0.751	0.773	0.750	0.750	0.786	0.774	3.20
40) P	Hexachlorocycl...	0.463	0.439	0.430	0.458	0.454	0.462	0.503	0.459	5.05
41) S	2,4,6-Tribromo...	0.287	0.284	0.270	0.283	0.269	0.270	0.275	0.277	2.74
42) C	2,4,6-Trichlor...	0.481	0.457	0.436	0.453	0.441	0.427	0.453	0.450	3.92
43)	2,4,5-Trichlor...	0.508	0.515	0.489	0.503	0.487	0.480	0.499	0.497	2.53
44) S	2-Fluorobiphenyl	1.503	1.451	1.350	1.373	1.316	1.290	1.325	1.373	5.63
45)	1,1'-Biphenyl	1.666	1.621	1.531	1.549	1.522	1.501	1.547	1.562	3.77
46)	2-Chloronaphth...	1.199	1.248	1.153	1.184	1.146	1.146	1.205	1.183	3.20
47)	2-Nitroaniline	0.400	0.441	0.453	0.496	0.491	0.497	0.532	0.473	9.33
48)	Acenaphthylene	2.055	1.933	1.828	1.910	1.825	1.793	1.878	1.889	4.69
49)	Dimethylphthalate	1.932	1.803	1.725	1.724	1.661	1.622	1.673	1.734	6.03
50)	2,6-Dinitrotol...	0.271	0.286	0.330	0.363	0.352	0.360	0.369	0.333	11.82
51) C	Acenaphthene	1.298	1.323	1.247	1.302	1.252	1.254	1.310	1.284	2.46
52)	3-Nitroaniline	0.335	0.327	0.328	0.344	0.345	0.326	0.346	0.336	2.70
53) P	2,4-Dinitrophenol		0.117	0.121	0.135	0.127	0.130	0.152	0.130	9.54
54)	Dibenzofuran	1.997	1.963	1.819	1.858	1.805	1.754	1.830	1.861	4.72
55) P	4-Nitrophenol	0.246	0.257	0.246	0.262	0.267	0.246	0.270	0.256	4.08
56)	2,4-Dinitrotol...	0.345	0.407	0.437	0.496	0.477	0.491	0.513	0.452	13.24
57)	Fluorene	1.846	1.697	1.587	1.610	1.545	1.515	1.553	1.622	7.08
58)	2,3,4,6-Tetrac...	0.541	0.521	0.493	0.530	0.511	0.490	0.514	0.514	3.61
59)	Diethylphthalate	1.911	1.992	1.827	1.854	1.775	1.721	1.765	1.835	5.09
60)	4-Chlorophenyl...	1.033	1.002	0.940	0.961	0.941	0.916	0.961	0.965	4.16
61)	4-Nitroaniline	0.337	0.376	0.355	0.361	0.358	0.344	0.362	0.356	3.58
62)	Azobenzene	2.204	2.075	1.969	1.986	1.907	1.840	1.897	1.983	6.22
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.077	0.085	0.094	0.101	0.099	0.107	0.094	11.79
65) c	n-Nitrosodiphe...	0.553	0.570	0.542	0.562	0.539	0.523	0.529	0.545	3.13
66)	4-Bromophenyl-...	0.262	0.243	0.246	0.254	0.247	0.240	0.245	0.248	2.94
67)	Hexachlorobenzene	0.241	0.260	0.255	0.254	0.253	0.248	0.254	0.252	2.39
68)	Atrazine	0.263	0.286	0.252	0.234	0.218	0.179	0.132	0.223	23.71
69) C	Pentachlorophenol	0.156	0.176	0.179	0.190	0.183	0.175	0.171	0.176	6.06
70)	Phenanthrene	1.110	1.090	1.031	1.031	1.007	0.974	0.952	1.028	5.58
71)	Anthracene	1.111	1.135	1.053	1.041	1.012	0.982	0.957	1.042	6.24
72)	Carbazole	1.039	1.068	0.966	0.956	0.906	0.875	0.864	0.953	8.24
73)	Di-n-butylphth...	1.278	1.254	1.171	1.146	1.109	1.055	1.022	1.148	8.34
74) C	Fluoranthene	1.465	1.449	1.339	1.289	1.233	1.165	1.150	1.299	9.75
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.461	0.623	0.563	0.523	0.514	0.490	0.432	0.515	12.38
77)	Pyrene	1.266	1.312	1.282	1.289	1.258	1.209	1.155	1.253	4.30
78) S	Terphenyl-d14	1.002	1.001	0.948	0.920	0.889	0.843	0.787	0.913	8.74
79)	Butylbenzylphth...	0.473	0.476	0.493	0.506	0.501	0.490	0.486	0.489	2.52
80)	Benzo(a)anthra...	1.369	1.337	1.276	1.296	1.272	1.231	1.192	1.282	4.68
81)	3,3'-Dichlorob...	0.495	0.493	0.489	0.503	0.497	0.466	0.450	0.485	3.95
82)	Chrysene	1.306	1.289	1.239	1.224	1.208	1.188	1.134	1.227	4.80

Method Path : Z:\HPCHEM1\BNA_G\METHODS\

Method File : 8270-BG050118.M

83)	Bis(2-ethylhex...	0.666	0.669	0.669	0.700	0.694	0.668	0.648	0.673	2.63
84) c	Di-n-octyl pht...	1.038	1.067	1.070	1.113	1.103	1.078	1.058	1.075	2.41
85)	Indeno(1,2,3-c...	1.244	1.326	1.325	1.411	1.410	1.369	1.366	1.350	4.32
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.325	1.282	1.248	1.274	1.258	1.256	1.201	1.263	2.96
88)	Benzo(k)fluora...	1.241	1.269	1.211	1.201	1.186	1.199	1.144	1.207	3.31
89) C	Benzo(a)pyrene	1.164	1.225	1.171	1.195	1.183	1.189	1.145	1.182	2.16
90)	Dibenzo(a,h)an...	1.175	1.121	1.112	1.115	1.089	1.114	1.072	1.114	2.88
91)	Benzo(g,h,i)pe...	1.124	1.106	1.075	1.108	1.096	1.109	1.070	1.098	1.79

(#) = Out of Range