

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG060222.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jun 02 23:22:27 2022
 Response Via : Initial Calibration

Calibration Files

5 =BG053787.D 10 =BG053788.D 20 =BG053789.D 40 =BG053790.D 50 =BG053791.D 60 =BG053792.D 80 =BG053793.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.610	0.559	0.517	0.518	0.504	0.508	0.470	0.527	8.56
3) Pyridine	1.035	1.187	1.307	1.352	1.355	1.395	1.304	1.276	9.80
4) n-Nitrosodimet...	0.461	0.505	0.558	0.630	0.614	0.658	0.608	0.576	12.42
5) S 2-Fluorophenol	1.080	1.055	1.098	1.126	1.107	1.122	1.035	1.089	3.14
6) Aniline	1.774	1.756	1.894	1.896	1.791	1.815	1.642	1.796	4.87
7) S Phenol-d6	1.409	1.448	1.524	1.558	1.495	1.508	1.385	1.475	4.27
8) 2-Chlorophenol	1.066	1.077	1.156	1.176	1.131	1.143	1.055	1.115	4.31
9) Benzaldehyde	1.155	1.062	1.031	0.884	0.786			0.984	14.97
10) C Phenol	1.514	1.477	1.607	1.569	1.527	1.562	1.415	1.524	4.19
11) bis(2-Chloroet...	1.221	1.184	1.286	1.240	1.201	1.165	1.097	1.199	5.00
12) 1,3-Dichlorobe...	1.466	1.390	1.485	1.469	1.421	1.405	1.295	1.419	4.60
13) C 1,4-Dichlorobe...	1.504	1.455	1.484	1.491	1.421	1.434	1.311	1.443	4.54
14) 1,2-Dichlorobe...	1.522	1.423	1.435	1.409	1.320	1.354	1.212	1.382	7.13
15) Benzyl Alcohol	1.044	0.992	1.153	1.171	1.146	1.166	1.059	1.104	6.47
16) 2,2'-oxybis(1-...	2.221	2.131	2.212	2.178	2.062	2.062	1.861	2.104	5.96
17) 2-Methylphenol	1.048	0.996	1.104	1.090	1.047	1.050	0.959	1.042	4.85
18) Hexachloroethane	0.491	0.468	0.482	0.484	0.489	0.478	0.450	0.477	2.99
19) P n-Nitroso-di-n...	1.063	1.016	1.129	1.091	1.043	1.046	0.926	1.045	6.12
20) 3+4-Methylphenols	1.302	1.364	1.480	1.503	1.465	1.455	1.342	1.416	5.53
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.492	0.492	0.492	0.509	0.486	0.515	0.472	0.494	2.90
23) S Nitrobenzene-d5		0.237	0.269	0.311	0.317	0.354	0.340	0.305	14.40
24) Nitrobenzene	0.237	0.256	0.281	0.325	0.331	0.362	0.344	0.305	15.50
25) Isophorone	0.659	0.643	0.697	0.709	0.678	0.723	0.670	0.683	4.17
26) C 2-Nitrophenol	0.078	0.084	0.090	0.109	0.112			0.095	15.77
27) 2,4-Dimethylph...	0.226	0.231	0.244	0.256	0.249	0.266	0.246	0.245	5.54
28) bis(2-Chloroet...	0.363	0.351	0.374	0.381	0.373	0.395	0.360	0.371	3.94
29) C 2,4-Dichloroph...	0.239	0.252	0.281	0.321	0.315	0.338	0.319	0.295	12.86
30) 1,2,4-Trichlor...	0.377	0.362	0.367	0.384	0.367	0.389	0.365	0.373	2.81
31) Naphthalene	1.048	1.014	1.024	1.046	0.996	1.060	0.978	1.024	2.93
32) Benzoic acid		0.066	0.114	0.144	0.146	0.179	0.177	0.138	31.04
33) 4-Chloroaniline	0.415	0.402	0.427	0.439	0.421	0.452	0.414	0.424	3.96
34) C Hexachlorobuta...	0.266	0.251	0.248	0.272	0.264	0.283	0.266	0.264	4.48
35) Caprolactam		0.063	0.079	0.089	0.088	0.097	0.090	0.084	14.08
36) C 4-Chloro-3-met...	0.271	0.271	0.326	0.337	0.326	0.344	0.322	0.314	9.62
37) 2-Methylnaphth...	0.749	0.718	0.752	0.767	0.733	0.771	0.708	0.743	3.21
38) 1-Methylnaphth...	0.770	0.711	0.737	0.740	0.702	0.738	0.684	0.726	3.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\										
Method File : 8270-BG060222.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.682	0.656	0.650	0.683	0.677	0.697	0.655	0.672	2.66
41) P	Hexachlorocycl...	0.307	0.314	0.304	0.357	0.355	0.387	0.364	0.341	9.54
42) S	2,4,6-Tribromo...	0.187	0.227	0.255	0.254	0.270	0.264	0.243		12.75
43) C	2,4,6-Trichlor...	0.295	0.321	0.341	0.386	0.388	0.421	0.395	0.364	12.50
44)	2,4,5-Trichlor...	0.332	0.339	0.396	0.438	0.441	0.458	0.432	0.405	12.67
45) S	2-Fluorobiphenyl	1.406	1.348	1.340	1.356	1.323	1.353	1.233	1.337	3.91
46)	1,1'-Biphenyl	1.519	1.416	1.410	1.438	1.404	1.453	1.337	1.425	3.88
47)	2-Chloronaphth...	1.166	1.095	1.108	1.127	1.093	1.131	1.043	1.109	3.47
48)	2-Nitroaniline	0.186	0.164	0.207	0.249	0.273	0.302	0.299	0.240	23.05
49)	Acenaphthylene	1.802	1.745	1.799	1.827	1.781	1.815	1.683	1.779	2.82
50)	Dimethylphthalate	1.335	1.396	1.502	1.538	1.512	1.541	1.437	1.466	5.36
51)	2,6-Dinitrotol...	0.168	0.170	0.213	0.246	0.255	0.275	0.275	0.229	20.05
52) C	Acenaphthene	1.170	1.083	1.118	1.155	1.128	1.168	1.089	1.130	3.17
53)	3-Nitroaniline	0.160	0.180	0.233	0.271	0.286	0.303	0.292	0.246	23.21
54) P	2,4-Dinitrophenol	0.085	0.104	0.121	0.122	0.132	0.129	0.116		15.44
55)	Dibenzofuran	1.881	1.774	1.838	1.845	1.776	1.817	1.680	1.802	3.65
56) P	4-Nitrophenol	0.144	0.184	0.216	0.223	0.237	0.231	0.206		17.26
57)	2,4-Dinitrotol...	0.222	0.231	0.279	0.326	0.348	0.380	0.375	0.309	21.28
58)	Fluorene	1.567	1.453	1.533	1.532	1.480	1.499	1.379	1.492	4.19
59)	2,3,4,6-Tetrac...	0.302	0.333	0.390	0.441	0.450	0.461	0.438	0.402	15.59
60)	Diethylphthalate	1.334	1.364	1.536	1.596	1.532	1.568	1.461	1.484	6.87
61)	4-Chlorophenyl...	0.812	0.791	0.814	0.817	0.810	0.825	0.761	0.804	2.72
62)	4-Nitroaniline	0.198	0.218	0.277	0.306	0.315	0.321	0.307	0.277	17.96
63)	Azobenzene	1.413	1.364	1.438	1.428	1.387	1.395	1.298	1.389	3.41
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.055	0.062	0.071	0.072	0.081	0.082	0.070		15.01
66) c	n-Nitrosodiphe...	0.544	0.526	0.526	0.540	0.524	0.553	0.510	0.532	2.70
67)	4-Bromophenyl-...	0.223	0.209	0.216	0.217	0.214	0.229	0.212	0.217	3.24
68)	Hexachlorobenzene	0.249	0.230	0.237	0.246	0.240	0.256	0.237	0.242	3.58
69)	Atrazine	0.196	0.191	0.209	0.220	0.213	0.223	0.205	0.208	5.69
70) C	Pentachlorophenol	0.099	0.120	0.141	0.144	0.158	0.153	0.136		16.42
71)	Phenanthrene	1.116	1.039	1.047	1.066	1.044	1.073	0.985	1.053	3.78
72)	Anthracene	1.074	1.007	1.032	1.060	1.015	1.055	0.968	1.030	3.55
73)	Carbazole	0.967	0.911	0.947	0.949	0.930	0.946	0.860	0.930	3.81
74)	Di-n-butylphth...	0.987	0.954	1.096	1.151	1.120	1.127	1.050	1.069	7.00
75) C	Fluoranthene	1.473	1.347	1.394	1.386	1.364	1.353	1.240	1.365	5.10
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.539	0.496	0.508	0.499	0.475	0.469	0.437	0.489	6.62
78)	Pyrene	1.209	1.191	1.298	1.334	1.279	1.364	1.229	1.272	5.13
79) S	Terphenyl-d14	1.032	0.989	1.041	1.031	0.993	1.029	0.922	1.005	4.16
80)	Butylbenzylpht...	0.328	0.349	0.399	0.451	0.448	0.487	0.442	0.415	14.09
81)	Benzo(a)anthra...	1.345	1.294	1.328	1.355	1.330	1.385	1.258	1.328	3.11
82)	3,3'-Dichlorob...	0.340	0.348	0.376	0.396	0.388	0.402	0.369	0.374	6.28
83)	Chrysene	1.284	1.213	1.268	1.274	1.261	1.293	1.180	1.253	3.30
84)	Bis(2-ethylhex...	0.497	0.519	0.580	0.634	0.650	0.675	0.621	0.596	11.28
85) c	Di-n-octyl pht...	0.782	0.815	0.940	1.070	1.086	1.163	1.087	0.992	14.91

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\

Method File : 8270-BG060222.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.474	1.400	1.457	1.513	1.478	1.556	1.440	1.474		3.41
88)	Benzo(b)fluora...	1.266	1.201	1.220	1.289	1.223	1.311	1.182	1.242		3.84
89)	Benzo(k)fluora...	1.253	1.192	1.236	1.245	1.236	1.262	1.166	1.227		2.84
90) C	Benzo(a)pyrene	1.061	0.992	1.036	1.088	1.056	1.101	1.017	1.050		3.66
91)	Dibenzo(a,h)an...	1.237	1.166	1.210	1.256	1.217	1.273	1.168	1.218		3.38
92)	Benzo(g,h,i)pe...	1.220	1.142	1.177	1.233	1.200	1.267	1.166	1.201		3.56

(#) = Out of Range