

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG033021.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Apr 07 10:06:00 2021
 Response Via : Initial Calibration

Calibration Files

5 =BG048513.D 10 =BG048514.D 20 =BG048515.D 40 =BG048516.D 50 =BG048517.D 60 =BG048518.D 80 =BG048519.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.479	0.475	0.524	0.422	0.425	0.441	0.424	0.456	8.45
3) Pyridine	0.781	1.204	1.231	1.196	1.173	1.199	1.215	1.143	14.06
4) n-Nitrosodimet...	0.659	0.807	0.748	0.736	0.717	0.801	0.757	0.747	6.80
5) S 2-Fluorophenol	1.089	1.154	1.168	1.136	1.111	1.168	1.103	1.133	2.84
6) Aniline	1.872	1.999	1.980	1.820	1.837	1.909	1.791	1.887	4.23
7) S Phenol-d6	1.512	1.676	1.729	1.637	1.613	1.712	1.621	1.643	4.42
8) 2-Chlorophenol	1.328	1.312	1.322	1.246	1.232	1.293	1.227	1.280	3.42
9) Benzaldehyde	1.116	1.119	1.124	1.085	1.019	1.000	0.888	1.050	8.29
10) C Phenol	1.599	1.741	1.713	1.595	1.629	1.660	1.578	1.645	3.80
11) bis(2-Chloroet...	1.107	1.273	1.182	1.132	1.096	1.141	1.058	1.141	6.13
12) 1,3-Dichlorobe...	1.301	1.570	1.552	1.422	1.402	1.460	1.388	1.442	6.56
13) C 1,4-Dichlorobe...	1.347	1.613	1.517	1.419	1.439	1.472	1.371	1.454	6.23
14) 1,2-Dichlorobe...	1.367	1.449	1.469	1.364	1.368	1.413	1.318	1.393	3.83
15) Benzyl Alcohol	1.200	1.282	1.413	1.369	1.369	1.427	1.360	1.346	5.90
16) 2,2'-oxybis(1-...	1.157	1.102	1.129	1.134	1.020	1.124	1.040	1.101	4.67
17) 2-Methylphenol	0.993	1.070	1.131	1.056	1.075	1.088	1.036	1.064	4.03
18) Hexachloroethane	0.489	0.532	0.592	0.558	0.524	0.554	0.534	0.540	5.93
19) P n-Nitroso-di-n...	1.118	1.201	1.144	1.109	1.093	1.158	1.104	1.132	3.36
20) 3+4-Methylphenols	1.311	1.522	1.531	1.469	1.491	1.559	1.456	1.477	5.53
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.519	0.548	0.546	0.522	0.481	0.477	0.516	0.516	5.46
23) S Nitrobenzene-d5	0.396	0.432	0.420	0.432	0.400	0.394	0.417	0.413	3.95
24) Nitrobenzene	0.368	0.420	0.405	0.419	0.401	0.395	0.429	0.405	5.02
25) Isophorone	0.744	0.771	0.803	0.785	0.732	0.732	0.773	0.763	3.58
26) C 2-Nitrophenol	0.179	0.189	0.189	0.180	0.181	0.181	0.204	0.186	4.73
27) 2,4-Dimethylph...	0.291	0.294	0.310	0.299	0.285	0.275	0.298	0.293	3.88
28) bis(2-Chloroet...	0.314	0.391	0.365	0.356	0.327	0.336	0.358	0.350	7.44
29) C 2,4-Dichloroph...	0.300	0.335	0.349	0.338	0.330	0.322	0.349	0.332	5.11
30) 1,2,4-Trichlor...	0.384	0.403	0.387	0.383	0.367	0.355	0.391	0.381	4.16
31) Naphthalene	1.067	1.022	1.074	1.045	0.986	0.969	1.036	1.028	3.81
32) Benzoic acid	0.171	0.222	0.219	0.234	0.247	0.260	0.225	0.225	13.63
33) 4-Chloroaniline	0.400	0.454	0.452	0.445	0.416	0.425	0.447	0.434	4.78
34) C Hexachlorobuta...	0.270	0.292	0.300	0.287	0.256	0.262	0.282	0.278	5.91
35) Caprolactam	0.092	0.135	0.133	0.129	0.117	0.117	0.124	0.121	12.06
36) C 4-Chloro-3-met...	0.352	0.371	0.382	0.375	0.368	0.370	0.391	0.373	3.22
37) 2-Methylnaphth...	0.786	0.877	0.839	0.848	0.773	0.781	0.828	0.819	4.82
38) 1-Methylnaphth...	0.771	0.825	0.814	0.783	0.742	0.743	0.786	0.781	4.11

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\										
Method File : 8270-BG033021.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.593	0.625	0.642	0.623	0.589	0.616	0.652	0.620	3.74
41) P	Hexachlorocycl...	0.296	0.332	0.359	0.372	0.373	0.384	0.397	0.359	9.66
42) S	2,4,6-Tribromo...	0.235	0.255	0.281	0.265	0.254	0.266	0.284	0.263	6.40
43) C	2,4,6-Trichlor...	0.382	0.396	0.445	0.443	0.422	0.427	0.467	0.426	6.87
44)	2,4,5-Trichlor...	0.400	0.454	0.465	0.474	0.445	0.464	0.488	0.456	6.16
45) S	2-Fluorobiphenyl	1.358	1.384	1.396	1.338	1.264	1.310	1.368	1.346	3.41
46)	1,1'-Biphenyl	1.431	1.521	1.564	1.437	1.370	1.429	1.476	1.461	4.44
47)	2-Chloronaphth...	1.058	1.149	1.181	1.109	1.056	1.093	1.149	1.113	4.32
48)	2-Nitroaniline	0.331	0.333	0.377	0.351	0.342	0.368	0.376	0.354	5.63
49)	Acenaphthylene	1.679	1.749	1.850	1.732	1.676	1.732	1.800	1.745	3.58
50)	Dimethylphthalate	1.431	1.503	1.602	1.461	1.417	1.468	1.508	1.484	4.17
51)	2,6-Dinitrotol...	0.313	0.324	0.354	0.349	0.331	0.347	0.360	0.340	5.09
52) C	Acenaphthene	1.253	1.223	1.309	1.267	1.219	1.248	1.317	1.262	3.06
53)	3-Nitroaniline	0.302	0.328	0.355	0.336	0.323	0.330	0.357	0.333	5.62
54) P	2,4-Dinitrophenol	0.151	0.186	0.207	0.183	0.200	0.220	0.191		12.54
55)	Dibenzofuran	1.846	1.892	1.939	1.809	1.729	1.811	1.881	1.844	3.72
56) P	4-Nitrophenol	0.220	0.270	0.277	0.277	0.265	0.284	0.289	0.269	8.59
57)	2,4-Dinitrotol...	0.456	0.435	0.511	0.497	0.479	0.485	0.500	0.480	5.55
58)	Fluorene	1.569	1.628	1.619	1.514	1.444	1.499	1.529	1.543	4.30
59)	2,3,4,6-Tetrac...	0.378	0.441	0.500	0.454	0.429	0.452	0.460	0.445	8.27
60)	Diethylphthalate	1.420	1.595	1.623	1.553	1.474	1.479	1.534	1.525	4.72
61)	4-Chlorophenyl...	0.810	0.865	0.856	0.844	0.778	0.815	0.845	0.830	3.69
62)	4-Nitroaniline	0.332	0.359	0.361	0.342	0.340	0.344	0.360	0.348	3.31
63)	Azobenzene	1.434	1.580	1.622	1.512	1.411	1.430	1.515	1.501	5.36
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.091	0.110	0.125	0.124	0.125	0.129	0.136	0.120	12.55
66) c	n-Nitrosodiphe...	0.542	0.601	0.587	0.559	0.544	0.565	0.585	0.569	3.96
67)	4-Bromophenyl-...	0.206	0.231	0.236	0.220	0.215	0.213	0.231	0.222	5.10
68)	Hexachlorobenzene	0.224	0.241	0.244	0.225	0.222	0.225	0.241	0.231	4.20
69)	Atrazine	0.226	0.241	0.253	0.225	0.224	0.223	0.232	0.232	4.83
70) C	Pentachlorophenol	0.108	0.123	0.152	0.150	0.151	0.156	0.167	0.144	14.33
71)	Phenanthrene	1.018	1.068	1.134	1.024	0.987	0.989	1.049	1.038	4.95
72)	Anthracene	1.022	1.072	1.123	1.019	0.987	0.984	1.035	1.035	4.74
73)	Carbazole	0.968	1.023	1.062	0.973	0.937	0.927	0.977	0.981	4.82
74)	Di-n-butylphth...	1.030	1.110	1.207	1.095	1.056	1.056	1.119	1.096	5.35
75) C	Fluoranthene	1.279	1.352	1.413	1.283	1.208	1.210	1.264	1.287	5.76
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.667	0.620	0.731	0.693	0.664	0.678	0.687	0.677	4.93
78)	Pyrene	1.290	1.388	1.437	1.395	1.350	1.355	1.411	1.375	3.51
79) S	Terphenyl-d14	1.015	1.146	1.156	1.106	1.058	1.077	1.097	1.094	4.47
80)	Butylbenzylpht...	0.446	0.487	0.529	0.540	0.509	0.517	0.547	0.511	6.79
81)	Benzo(a)anthra...	1.270	1.382	1.401	1.340	1.304	1.308	1.350	1.336	3.45
82)	3,3'-Dichlorob...	0.429	0.452	0.492	0.459	0.440	0.468	0.474	0.459	4.62
83)	Chrysene	1.199	1.294	1.322	1.303	1.252	1.260	1.296	1.275	3.25
84)	Bis(2-ethylhex...	0.619	0.674	0.727	0.738	0.711	0.737	0.773	0.711	7.11
85) c	Di-n-octyl pht...	1.068	1.194	1.308	1.262	1.240	1.286	1.323	1.240	7.07

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

Method File : 8270-BG033021.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.338	1.398	1.514	1.413	1.345	1.359	1.448	1.402		4.51
88)	Benzo(b)fluora...	1.176	1.296	1.412	1.334	1.272	1.251	1.350	1.299		5.87
89)	Benzo(k)fluora...	1.194	1.287	1.344	1.248	1.213	1.206	1.248	1.249		4.22
90) C	Benzo(a)pyrene	1.129	1.211	1.276	1.213	1.156	1.170	1.226	1.197		4.11
91)	Dibenzo(a,h)an...	1.132	1.242	1.283	1.198	1.165	1.143	1.213	1.197		4.54
92)	Benzo(g,h,i)pe...	1.103	1.198	1.269	1.173	1.136	1.127	1.199	1.172		4.80

(#) = Out of Range