

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG120123.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Dec 02 03:28:09 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BG059924.D 5 =BG059925.D 10 =BG059926.D 20 =BG059927.D 40 =BG059928.D 50 =BG059929.D 60 =BG059930.D 80 =BG059931.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.370	0.279	0.261	0.328	0.281	0.297	0.265	0.297	13.16	
3)	Pyridine	0.966	0.775	0.798	1.016	0.885	0.811	0.796	0.864	10.97	
4)	n-Nitrosodimet...	0.540	0.577	0.553	0.778	0.639	0.716	0.704	0.644	14.24	
5) S	2-Fluorophenol	1.009	0.898	0.827	1.049	0.898	0.824	0.827	0.905	10.14	
6)	Aniline	1.496	1.369	1.147	1.563	1.365	1.372	1.283	1.371	9.88	
7) S	Phenol-d6	1.448	1.316	1.181	1.530	1.380	1.303	1.302	1.351	8.38	
8)	2-Chlorophenol	0.982	0.807	0.815	1.022	0.917	0.877	0.941	0.909	8.93	
9)	Benzaldehyde	1.205	1.125	1.028	1.167	0.989	0.920	0.883	1.045	11.84	
10) C	Phenol	1.513	1.393	1.175	1.393	1.353	1.256	1.237	1.332	8.68	
11)	bis(2-Chloroet...	0.954	0.817	0.765	0.963	0.873	0.802	0.775	0.850	9.65	
12)	1,3-Dichlorobe...	1.483	1.466	1.456	1.645	1.459	1.454	1.414	1.482	5.05	
13) C	1,4-Dichlorobe...	1.428	1.464	1.504	1.702	1.502	1.522	1.376	1.500	6.86	
14)	1,2-Dichlorobe...	1.699	1.454	1.333	1.534	1.509	1.506	1.423	1.494	7.56	
15)	Benzyl Alcohol	1.564	1.406	1.412	1.694	1.673	1.671	1.692	1.587	8.17	
16)	2,2'-oxybis(1-...	0.316	0.298	0.250	0.307	0.263	0.263	0.258	0.279	9.65	
17)	2-Methylphenol	1.025	0.979	0.831	0.969	1.015	0.957	0.951	0.961	6.64	
18)	Hexachloroethane	0.669	0.609	0.576	0.725	0.635	0.645	0.665	0.646	7.35	
19) P	n-Nitroso-di-n...	1.240	1.046	1.049	0.980	1.160	1.130	1.114	1.048	1.096	7.46
20)	3+4-Methylphenols	1.476	1.344	1.319	1.533	1.392	1.384	1.361	1.401	5.45	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.622	0.597	0.651	0.650	0.627	0.685	0.647	0.640	4.32	
23) S	Nitrobenzene-d5	0.546	0.529	0.586	0.596	0.558	0.630	0.596	0.577	6.03	
24)	Nitrobenzene	0.505	0.513	0.596	0.571	0.558	0.610	0.580	0.562	7.12	
25)	Isophorone	0.847	0.780	0.877	0.868	0.812	0.957	0.887	0.861	6.60	
26) C	2-Nitrophenol	0.157	0.178	0.192	0.183	0.170	0.200	0.174	0.179	7.93	
27)	2,4-Dimethylph...	0.183	0.187	0.222	0.207	0.184	0.224	0.203	0.202	8.61	
28)	bis(2-Chloroet...	0.363	0.312	0.353	0.348	0.336	0.384	0.362	0.351	6.48	
29) C	2,4-Dichloroph...	0.526	0.479	0.528	0.508	0.488	0.558	0.539	0.518	5.40	
30)	1,2,4-Trichlor...	0.809	0.731	0.809	0.805	0.756	0.867	0.846	0.803	5.89	
31)	Naphthalene	1.161	0.899	1.013	1.008	0.917	1.013	1.030	1.006	8.50	
32)	Benzoic acid		0.150	0.199	0.214	0.210	0.235	0.217	0.204	14.21	
33)	4-Chloroaniline	0.369	0.347	0.392	0.361	0.331	0.393	0.365	0.365	6.13	
34) C	Hexachlorobuta...	0.864	0.833	0.968	0.979	0.925	1.067	1.048	0.955	9.20	
35)	Caprolactam	0.105	0.089	0.092	0.087	0.085	0.084	0.088	0.090	7.89	
36) C	4-Chloro-3-met...	0.394	0.424	0.471	0.464	0.449	0.504	0.487	0.456	8.28	
37)	2-Methylnaphth...	0.956	0.875	0.991	0.969	0.928	1.027	1.019	0.966	5.51	
38)	1-Methylnaphth...	0.948	0.861	0.965	0.979	0.892	0.991	0.973	0.944	5.19	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG120123.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	1.404	1.237	1.367	1.498	1.352	1.528	1.559	1.421	8.03
41) P	Hexachlorocycl...	0.590	0.575	0.687	0.739	0.655	0.735	0.747	0.675	10.58
42) S	2,4,6-Tribromo...	0.648	0.613	0.721	0.777	0.714	0.804	0.820	0.728	10.71
43) C	2,4,6-Trichlor...	0.809	0.615	0.731	0.798	0.700	0.776	0.786	0.745	9.28
44)	2,4,5-Trichlor...	0.861	0.712	0.827	0.881	0.781	0.872	0.854	0.827	7.33
45) S	2-Fluorobiphenyl	1.983	1.698	1.944	2.081	1.837	2.060	2.113	1.959	7.58
46)	1,1'-Biphenyl	1.515	1.279	1.421	1.492	1.330	1.491	1.489	1.431	6.46
47)	2-Chloronaphth...	1.349	1.151	1.302	1.389	1.212	1.334	1.356	1.299	6.62
48)	2-Nitroaniline	0.262	0.243	0.238	0.259	0.229	0.271	0.272	0.253	6.58
49)	Acenaphthylene	1.829	1.471	1.607	1.722	1.544	1.654	1.653	1.640	7.11
50)	Dimethylphthalate	1.807	1.583	1.678	1.810	1.589	1.822	1.815	1.729	6.34
51)	2,6-Dinitrotol...	0.403	0.362	0.365	0.374	0.334	0.370	0.364	0.367	5.52
52) C	Acenaphthene	1.219	1.116	1.240	1.311	1.175	1.310	1.329	1.243	6.39
53)	3-Nitroaniline	0.283	0.211	0.196	0.223	0.199	0.206	0.195	0.216	14.41
54) P	2,4-Dinitrophenol		0.244	0.303	0.346	0.306	0.341	0.326	0.311	11.97
55)	Dibenzofuran	2.304	2.019	2.170	2.312	2.007	2.281	2.255	2.192	5.99
56) P	4-Nitrophenol	0.197	0.147	0.175	0.176	0.162	0.171	0.158	0.170	9.44
57)	2,4-Dinitrotol...	0.564	0.541	0.549	0.581	0.512	0.563	0.555	0.552	3.89
58)	Fluorene	1.911	1.778	1.905	1.996	1.803	2.067	2.074	1.933	6.12
59)	2,3,4,6-Tetrac...	0.897	0.956	1.018	1.042	0.950	1.057	1.039	0.994	6.04
60)	Diethylphthalate	1.538	1.315	1.437	1.561	1.341	1.527	1.523	1.463	6.86
61)	4-Chlorophenyl...	1.704	1.553	1.670	1.753	1.611	1.805	1.832	1.704	5.96
62)	4-Nitroaniline	0.276	0.239	0.253	0.254	0.233	0.248	0.242	0.249	5.64
63)	Azobenzene	1.446	1.397	1.513	1.581	1.363	1.564	1.548	1.487	5.77
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.146	0.143	0.149	0.166	0.153	0.162	0.157	0.154	5.46
66) c	n-Nitrosodiphe...	0.430	0.377	0.421	0.460	0.427	0.453	0.444	0.430	6.39
67)	4-Bromophenyl-...	0.366	0.355	0.380	0.404	0.385	0.418	0.406	0.388	5.83
68)	Hexachlorobenzene	0.394	0.399	0.416	0.463	0.434	0.470	0.468	0.435	7.51
69)	Atrazine	0.258	0.263	0.247	0.237	0.224	0.234	0.213	0.240	7.53
70) C	Pentachlorophenol	0.234	0.262	0.283	0.325	0.305	0.326	0.317	0.293	11.90
71)	Phenanthrene	0.947	0.865	0.926	0.974	0.907	0.964	0.934	0.931	3.94
72)	Anthracene	0.964	0.881	0.933	0.971	0.915	0.976	0.947	0.941	3.64
73)	Carbazole	0.677	0.663	0.694	0.735	0.692	0.716	0.713	0.699	3.54
74)	Di-n-butylphth...	0.584	0.544	0.557	0.574	0.562	0.591	0.595	0.573	3.29
75) C	Fluoranthene	1.624	1.532	1.586	1.697	1.580	1.602	1.585	1.601	3.17
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.214	0.122	0.218	0.246	0.209	0.271	0.186	0.210	22.51
78)	Pyrene	1.137	1.069	1.119	1.126	1.030	1.075	0.982	1.077	5.23
79) S	Terphenyl-d14	1.365	1.295	1.348	1.238	1.062	1.078	0.908	1.185	14.51
80)	Butylbenzylpht...	0.163	0.145	0.155	0.146	0.131	0.136	0.129	0.143	8.75
81)	Benzo(a)anthra...	1.352	1.282	1.359	1.375	1.266	1.331	1.241	1.315	3.94
82)	3,3'-Dichlorob...	0.451	0.410	0.423	0.435	0.400	0.447	0.401	0.424	5.01
83)	Chrysene	1.332	1.226	1.290	1.297	1.188	1.246	1.163	1.249	4.90
84)	Bis(2-ethylhex...	0.228	0.210	0.214	0.213	0.195	0.204	0.191	0.208	5.92
85) c	Di-n-octyl pht...	0.429	0.371	0.386	0.376	0.339	0.368	0.330	0.371	8.77

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG120123.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.544	1.431	1.499	1.537	1.391	1.517	1.422	1.477	4.17
88)	Benzo(b)fluora...	1.369	1.300	1.307	1.362	1.213	1.293	1.213	1.294	4.84
89)	Benzo(k)fluora...	1.310	1.185	1.258	1.273	1.189	1.239	1.189	1.235	3.95
90) C	Benzo(a)pyrene	1.124	1.049	1.092	1.120	1.031	1.099	1.051	1.081	3.42
91)	Dibenzo(a,h)an...	1.274	1.220	1.293	1.330	1.205	1.307	1.222	1.264	3.87
92)	Benzo(g,h,i)pe...	1.278	1.135	1.210	1.230	1.120	1.228	1.127	1.190	5.20

(#) = Out of Range