

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG111321.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Nov 19 01:16:08 2021
 Response Via : Initial Calibration

Calibration Files

5 =BG051025.D 10 =BG051026.D 20 =BG051027.D 40 =BG051028.D 50 =BG051029.D 60 =BG051030.D 80 =BG051031.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.805	0.681	0.565	0.619	0.569			0.648	15.39
3)	Pyridine	1.978	1.928	1.870	1.824	1.773	1.620	1.433	1.775	10.72
4)	n-Nitrosodimet...	0.891	0.878	0.819	0.794	0.769	0.707	0.653	0.787	10.97
5) S	2-Fluorophenol	1.589	1.485	1.361	1.350	1.287	1.202	1.085	1.337	12.59
6)	Aniline	2.576	2.499	2.277	2.275	2.206	2.028	1.871	2.247	10.97
7) S	Phenol-d6	2.156	2.132	1.902	1.926	1.848	1.696	1.550	1.887	11.58
8)	2-Chlorophenol	1.649	1.554	1.395	1.373	1.324	1.210	1.108	1.373	13.60
9)	Benzaldehyde		1.574	1.424	1.350	1.284	1.158		1.358	11.44
10) C	Phenol	2.278	2.150	1.970	1.970	1.880	1.736	1.582	1.938	12.17
11)	bis(2-Chloroet...	1.795	1.714	1.521	1.499	1.416	1.305	1.203	1.493	14.11
12)	1,3-Dichlorobe...	1.814	1.655	1.523	1.507	1.433	1.324	1.214	1.496	13.38
13) C	1,4-Dichlorobe...	1.738	1.697	1.560	1.519	1.462	1.346	1.217	1.505	12.27
14)	1,2-Dichlorobe...	1.817	1.630	1.488	1.467	1.390	1.268	1.174	1.462	14.81
15)	Benzyl Alcohol	1.630	1.603	1.452	1.517	1.511	1.401	1.277	1.484	8.15
16)	2,2'-oxybis(1-...	2.837	2.650	2.347	2.306	2.210	2.012		2.394	12.56
17)	2-Methylphenol	1.478	1.418	1.266	1.332	1.296	1.169	1.073	1.290	10.77
18)	Hexachloroethane	0.687	0.651	0.586	0.561	0.544	0.506	0.465	0.571	13.63
19) P	n-Nitroso-di-n...	1.648	1.590	1.384	1.392	1.363	1.242	1.144	1.395	12.74
20)	3+4-Methylphenols	2.022	1.998	1.796	1.880	1.820	1.686	1.544	1.821	9.27
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.668	0.616	0.575	0.551	0.530	0.491	0.459	0.556	12.89
23) S	Nitrobenzene-d5	0.517	0.498	0.467	0.453	0.437	0.407	0.384	0.452	10.48
24)	Nitrobenzene	0.517	0.494	0.460	0.445	0.426	0.400	0.375	0.445	11.21
25)	Isophorone	0.938	0.896	0.829	0.820	0.794	0.745	0.694	0.817	10.24
26) C	2-Nitrophenol	0.198	0.206	0.192	0.198	0.187	0.177	0.168	0.189	6.87
27)	2,4-Dimethylph...	0.310	0.303	0.304	0.299	0.290	0.270	0.245	0.289	8.08
28)	bis(2-Chloroet...	0.576	0.544	0.496	0.483	0.460	0.436	0.404	0.485	12.31
29) C	2,4-Dichloroph...	0.335	0.332	0.310	0.313	0.305	0.292	0.273	0.309	7.04
30)	1,2,4-Trichlor...	0.389	0.378	0.353	0.348	0.337	0.316	0.299	0.346	9.22
31)	Naphthalene	1.279	1.193	1.099	1.076	1.018	0.957	0.896	1.074	12.33
32)	Benzoic acid	0.216	0.186	0.203	0.243	0.242	0.230	0.236	0.222	9.80
33)	4-Chloroaniline	0.500	0.498	0.457	0.457	0.445	0.422	0.397	0.454	8.22
34) C	Hexachlorobuta...	0.245	0.230	0.214	0.211	0.204	0.191	0.178	0.210	10.70
35)	Caprolactam	0.087	0.088	0.081	0.087	0.086	0.079	0.079	0.084	4.68
36) C	4-Chloro-3-met...	0.411	0.416	0.387	0.390	0.379	0.364	0.348	0.385	6.30
37)	2-Methylnaphth...	0.838	0.815	0.731	0.729	0.707	0.665	0.624	0.730	10.47
38)	1-Methylnaphth...	0.811	0.808	0.714	0.715	0.694	0.646	0.603	0.713	10.79

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.679	0.651	0.590	0.583	0.569	0.520	0.487	0.583	11.56	
41) P	Hexachlorocycl...		0.149	0.183	0.216	0.225	0.211	0.206	0.198	14.01	
42) S	2,4,6-Tribromo...	0.216	0.211	0.195	0.202	0.204	0.190	0.182	0.200	5.96	
43) C	2,4,6-Trichlor...	0.449	0.450	0.419	0.418	0.420	0.389	0.364	0.416	7.36	
44)	2,4,5-Trichlor...	0.495	0.485	0.438	0.444	0.446	0.410	0.387	0.443	8.58	
45) S	2-Fluorobiphenyl		1.516	1.356	1.306	1.247	1.136	1.033	1.266	13.37	
46)	1,1'-Biphenyl	1.758	1.643	1.479	1.460	1.406	1.293	1.184	1.460	13.40	
47)	2-Chloronaphth...	1.363	1.293	1.156	1.147	1.099	1.019	0.940	1.145	12.84	
48)	2-Nitroaniline	0.493	0.464	0.429	0.453	0.438	0.408	0.385	0.439	8.18	
49)	Acenaphthylene	2.179	2.102	1.885	1.843	1.790	1.646	1.518	1.852	12.63	
50)	Dimethylphthalate	1.859	1.801	1.567	1.571	1.521	1.376	1.319	1.574	12.70	
51)	2,6-Dinitrotol...	0.366	0.360	0.325	0.325	0.313	0.295	0.283	0.324	9.50	
52) C	Acenaphthene	1.271	1.208	1.071	1.076	1.057	0.976	0.896	1.079	11.84	
53)	3-Nitroaniline	0.403	0.409	0.378	0.391	0.386	0.347	0.336	0.379	7.29	
54) P	2,4-Dinitrophenol		0.140	0.160	0.199	0.202	0.179	0.183	0.177	13.42	
55)	Dibenzofuran	2.156	2.078	1.865	1.827	1.778	1.633	1.512	1.835	12.41	
56) P	4-Nitrophenol	0.287	0.308	0.280	0.301	0.310	0.273	0.268	0.290	5.91	
57)	2,4-Dinitrotol...	0.501	0.493	0.451	0.475	0.459	0.426	0.411	0.460	7.22	
58)	Fluorene	1.704	1.606	1.449	1.426	1.393	1.265	1.187	1.433	12.55	
59)	2,3,4,6-Tetrac...	0.393	0.408	0.377	0.377	0.390	0.353	0.344	0.378	5.98	
60)	Diethylphthalate	1.969	1.848	1.646	1.643	1.605	1.462	1.385	1.651	12.33	
61)	4-Chlorophenyl...	0.914	0.853	0.770	0.766	0.764	0.696	0.655	0.774	11.35	
62)	4-Nitroaniline	0.433	0.425	0.388	0.412	0.397	0.355	0.345	0.393	8.49	
63)	Azobenzene	2.055	1.974	1.761	1.756	1.699	1.555	1.450	1.750	12.20	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.117	0.127	0.123	0.132	0.132	0.119	0.116	0.124	5.49	
66) c	n-Nitrosodiphe...	0.661	0.649	0.591	0.570	0.549	0.523	0.477	0.574	11.48	
67)	4-Bromophenyl-...	0.237	0.231	0.213	0.209	0.203	0.193	0.181	0.209	9.59	
68)	Hexachlorobenzene	0.236	0.232	0.206	0.203	0.199	0.190	0.177	0.206	10.45	
69)	Atrazine	0.163	0.160	0.147	0.147	0.134	0.128	0.121	0.143	11.03	
70) C	Pentachlorophenol	0.104	0.111	0.118	0.128	0.126	0.119	0.112	0.117	7.13	
71)	Phenanthrene	1.274	1.216	1.102	1.065	1.012	0.937	0.863	1.067	13.69	
72)	Anthracene	1.278	1.209	1.090	1.060	1.006	0.926	0.860	1.061	13.96	
73)	Carbazole	1.274	1.201	1.070	1.063	0.999	0.909	0.840	1.051	14.53	
74)	Di-n-butylphth...	1.518	1.397	1.290	1.267	1.180	1.066	0.997	1.245	14.60	
75) C	Fluoranthene	1.564	1.434	1.300	1.273	1.198	1.084		1.309	13.03	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.453	0.385	0.423	0.314	0.358	0.335	0.378	13.99	
78)	Pyrene	1.784	1.687	1.543	1.508	1.438	1.336	1.207	1.500	13.16	
79) S	Terphenyl-d14		1.263	1.140	1.084	1.034	0.943	0.838	1.050	14.23	
80)	Butylbenzylpht...	0.733	0.710	0.651	0.652	0.636	0.589	0.542	0.645	10.18	
81)	Benzo(a)anthra...	1.613	1.525	1.398	1.386	1.329	1.234	1.129	1.373	12.00	
82)	3,3'-Dichlorob...	0.720	0.693	0.634	0.637	0.618	0.571	0.523	0.628	10.72	
83)	Chrysene	1.517	1.450	1.318	1.295	1.260	1.166	1.063	1.295	12.02	
84)	Bis(2-ethylhex...	1.039	1.002	0.921	0.922	0.886	0.827	0.760	0.908	10.58	

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85) c	Di-n-octyl pht...	1.755	1.702	1.548	1.553	1.494	1.382	1.267	1.529	11.11
86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.615	1.541	1.435	1.437	1.383	1.304	1.222	1.420	9.42
88)	Benzo(b)fluora...	1.431	1.374	1.293	1.262	1.234	1.143	1.076	1.259	9.80
89)	Benzo(k)fluora...	1.449	1.430	1.267	1.298	1.180	1.132	1.034	1.256	12.16
90) C	Benzo(a)pyrene	1.207	1.178	1.101	1.089	1.046	0.989	0.913	1.075	9.57
91)	Dibenzo(a,h)an...	1.331	1.294	1.184	1.183	1.136	1.063	0.990	1.169	10.29
92)	Benzo(g,h,i)pe...	1.298	1.247	1.161	1.168	1.129	1.055	0.993	1.150	9.10

(#) = Out of Range