

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG071522.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jul 15 15:54:11 2022
 Response Via : Initial Calibration

Calibration Files

5 =BG054296.D 10 =BG054297.D 20 =BG054298.D 40 =BG054299.D 50 =BG054300.D 60 =BG054301.D 80 =BG054302.D

Compound		5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.453	0.395	0.373	0.368	0.357	0.389	0.332	0.381	9.99
3)	Pyridine	0.776	0.900	0.976	1.023	1.017	1.091	0.985	0.967	10.55
4)	n-Nitrosodimet...	0.409	0.488	0.579	0.569	0.571	0.601	0.568	0.541	12.58
5) S	2-Fluorophenol	0.993	0.951	0.953	0.969	0.935	1.020	0.885	0.958	4.49
6)	Aniline	1.448	1.501	1.615	1.543	1.481	1.584	1.432	1.515	4.53
7) S	Phenol-d6	1.292	1.261	1.382	1.337	1.280	1.384	1.251	1.313	4.21
8)	2-Chlorophenol	1.145	1.109	1.122	1.110	1.050	1.147	1.023	1.101	4.28
9)	Benzaldehyde	0.859	0.826	0.838	0.660	0.613	0.628		0.737	15.61
10) C	Phenol	1.210	1.334	1.374	1.315	1.270	1.380	1.246	1.304	4.96
11)	bis(2-Chloroet...	0.992	0.909	1.002	0.944	0.927	0.981	0.901	0.951	4.29
12)	1,3-Dichlorobe...	1.365	1.351	1.398	1.354	1.295	1.389	1.237	1.341	4.23
13) C	1,4-Dichlorobe...	1.455	1.382	1.436	1.401	1.324	1.431	1.267	1.385	4.89
14)	1,2-Dichlorobe...	1.350	1.292	1.366	1.316	1.252	1.371	1.196	1.306	4.95
15)	Benzyl Alcohol	0.951	1.011	1.175	1.133	1.075	1.135	1.078	1.080	7.19
16)	2,2'-oxybis(1-...	1.189	1.184	1.272	1.230	1.165	1.225	1.117	1.198	4.21
17)	2-Methylphenol	0.893	0.942	0.994	0.964	0.908	0.981	0.898	0.940	4.38
18)	Hexachloroethane	0.455	0.442	0.490	0.464	0.445	0.477	0.436	0.459	4.35
19) P	n-Nitroso-di-n...	0.855	0.881	0.940	0.914	0.842	0.888	0.817	0.877	4.84
20)	3+4-Methylphenols	1.250	1.302	1.420	1.351	1.276	1.402	1.270	1.324	5.07
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.483	0.476	0.475	0.499	0.481	0.497	0.456	0.481	3.00
23) S	Nitrobenzene-d5	0.371	0.345	0.369	0.383	0.367	0.384	0.352	0.367	4.01
24)	Nitrobenzene	0.364	0.352	0.351	0.366	0.360	0.378	0.341	0.359	3.36
25)	Isophorone	0.620	0.635	0.640	0.665	0.634	0.664	0.612	0.639	3.15
26) C	2-Nitrophenol	0.169	0.166	0.178	0.191	0.186	0.195	0.182	0.181	6.07
27)	2,4-Dimethylph...	0.242	0.244	0.252	0.256	0.246	0.269	0.242	0.250	3.99
28)	bis(2-Chloroet...	0.320	0.315	0.321	0.337	0.324	0.336	0.303	0.322	3.60
29) C	2,4-Dichloroph...	0.363	0.365	0.370	0.392	0.375	0.405	0.370	0.377	4.07
30)	1,2,4-Trichlor...	0.479	0.447	0.462	0.482	0.466	0.486	0.449	0.467	3.34
31)	Naphthalene	1.047	0.966	0.991	1.035	0.997	1.048	0.944	1.004	4.06
32)	Benzoic acid		0.024	0.078	0.093	0.098	0.105		0.080	40.69
33)	4-Chloroaniline	0.393	0.409	0.404	0.417	0.404	0.436	0.396	0.408	3.55
34) C	Hexachlorobuta...	0.421	0.400	0.411	0.429	0.412	0.421	0.395	0.413	2.92
35)	Caprolactam	0.086	0.095	0.096	0.093	0.093	0.104	0.097	0.095	5.91
36) C	4-Chloro-3-met...	0.338	0.343	0.336	0.346	0.343	0.360	0.336	0.343	2.45
37)	2-Methylnaphth...	0.789	0.763	0.775	0.784	0.761	0.795	0.730	0.771	2.87
38)	1-Methylnaphth...	0.765	0.768	0.750	0.758	0.742	0.773	0.704	0.751	3.12

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.875	0.828	0.863	0.932	0.877	0.916	0.841	0.876	4.28
41) P	Hexachlorocycl...		0.058	0.189	0.240	0.262	0.279		0.206	43.32
42) S	2,4,6-Tribromo...	0.398	0.405	0.408	0.437	0.410	0.454	0.427	0.420	4.80
43) C	2,4,6-Trichlor...	0.435	0.433	0.474	0.513	0.486	0.511	0.489	0.477	6.85
44)	2,4,5-Trichlor...	0.501	0.509	0.539	0.556	0.545	0.574	0.549	0.539	4.77
45) S	2-Fluorobiphenyl	1.491	1.371	1.409	1.494	1.395	1.459	1.303	1.418	4.89
46)	1,1'-Biphenyl	1.443	1.285	1.355	1.423	1.342	1.427	1.303	1.368	4.64
47)	2-Chloronaphth...	1.197	1.088	1.135	1.187	1.129	1.188	1.091	1.145	4.04
48)	2-Nitroaniline	0.264	0.273	0.296	0.319	0.307	0.330	0.303	0.299	7.91
49)	Acenaphthylene	1.731	1.664	1.678	1.781	1.674	1.759	1.624	1.701	3.32
50)	Dimethylphthalate	1.627	1.531	1.522	1.615	1.525	1.629	1.487	1.562	3.80
51)	2,6-Dinitrotol...	0.347	0.321	0.344	0.354	0.332	0.365	0.336	0.343	4.24
52) C	Acenaphthene	1.069	0.989	1.006	1.067	1.001	1.074	1.005	1.030	3.66
53)	3-Nitroaniline	0.284	0.271	0.278	0.295	0.286	0.308	0.285	0.287	4.13
54) P	2,4-Dinitrophenol		0.096	0.154	0.174	0.174	0.198	0.203	0.166	23.20
55)	Dibenzofuran	1.915	1.857	1.795	1.881	1.774	1.903	1.707	1.833	4.19
56) P	4-Nitrophenol		0.153	0.182	0.201	0.196	0.213	0.202	0.191	11.18
57)	2,4-Dinitrotol...	0.467	0.472	0.480	0.516	0.489	0.525	0.488	0.491	4.45
58)	Fluorene	1.590	1.493	1.479	1.550	1.461	1.560	1.418	1.507	4.06
59)	2,3,4,6-Tetrac...	0.489	0.451	0.521	0.559	0.530	0.572	0.552	0.525	8.14
60)	Diethylphthalate	1.521	1.512	1.453	1.544	1.458	1.572	1.430	1.499	3.51
61)	4-Chlorophenyl...	0.984	0.979	0.981	1.028	0.970	1.036	0.948	0.989	3.18
62)	4-Nitroaniline	0.286	0.296	0.294	0.312	0.298	0.329	0.292	0.301	4.93
63)	Azobenzene	1.089	1.071	1.056	1.130	1.065	1.137	1.032	1.083	3.58
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.097	0.122	0.131	0.127	0.135	0.129	0.124	10.96
66) c	n-Nitrosodiphe...	0.520	0.474	0.500	0.515	0.499	0.517	0.470	0.499	4.05
67)	4-Bromophenyl-...	0.290	0.261	0.283	0.290	0.280	0.292	0.269	0.281	4.19
68)	Hexachlorobenzene	0.330	0.306	0.324	0.333	0.320	0.330	0.306	0.321	3.50
69)	Atrazine	0.246	0.234	0.228	0.226	0.213	0.217	0.191	0.222	7.87
70) C	Pentachlorophenol		0.089	0.123	0.133	0.129	0.141	0.139	0.126	15.16
71)	Phenanthrene	1.063	0.984	0.988	1.017	0.989	1.024	0.907	0.996	4.83
72)	Anthracene	1.033	0.969	0.982	1.001	0.976	1.002	0.879	0.977	4.93
73)	Carbazole	0.834	0.805	0.812	0.815	0.803	0.831	0.732	0.805	4.24
74)	Di-n-butylphth...	0.995	0.941	0.948	0.963	0.954	0.983	0.863	0.950	4.52
75) C	Fluoranthene	1.474	1.403	1.355	1.373	1.328	1.382	1.189	1.358	6.42
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.432	0.350	0.368	0.310	0.352		0.362	12.25
78)	Pyrene	1.172	1.126	1.166	1.222	1.130	1.188	1.029	1.148	5.38
79) S	Terphenyl-d14	1.081	1.036	1.033	1.071	0.980	1.025	0.832	1.008	8.37
80)	Butylbenzylpht...	0.353	0.340	0.357	0.373	0.361	0.375	0.344	0.358	3.73
81)	Benzo(a)anthra...	1.330	1.262	1.267	1.316	1.240	1.315	1.157	1.270	4.71
82)	3,3'-Dichlorob...	0.419	0.390	0.405	0.419	0.381	0.415	0.336	0.395	7.57
83)	Chrysene	1.258	1.192	1.193	1.247	1.175	1.239	1.092	1.199	4.75
84)	Bis(2-ethylhex...	0.509	0.479	0.504	0.527	0.500	0.535	0.488	0.506	3.95
85) c	Di-n-octyl pht...	0.838	0.815	0.855	0.914	0.873	0.915	0.834	0.863	4.55

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.605	1.471	1.502	1.554	1.486	1.579	1.453	1.521		3.81
88)	Benzo(b)fluora...	1.239	1.126	1.167	1.223	1.177	1.254	1.094	1.183		5.02
89)	Benzo(k)fluora...	1.231	1.166	1.187	1.193	1.154	1.216	1.093	1.177		3.89
90) C	Benzo(a)pyrene	1.022	0.987	1.011	1.041	0.999	1.058	0.953	1.010		3.46
91)	Dibenzo(a,h)an...	1.316	1.217	1.244	1.284	1.226	1.298	1.173	1.251		4.06
92)	Benzo(g,h,i)pe...	1.264	1.199	1.221	1.265	1.208	1.295	1.192	1.235		3.21

(#) = Out of Range