

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG082022.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Aug 22 00:08:53 2022
 Response Via : Initial Calibration

Calibration Files

5 =BG054667.D 10 =BG054668.D 20 =BG054669.D 40 =BG054670.D 50 =BG054671.D 60 =BG054672.D 80 =BG054673.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.615	0.583	0.544	0.479	0.533	0.533	0.488	0.539	8.98
3) Pyridine	1.575	1.438	1.430	1.407	1.508	1.498	1.286	1.449	6.33
4) n-Nitrosodimet...	0.676	0.631	0.665	0.605	0.663	0.652	0.622	0.645	4.05
5) S 2-Fluorophenol	1.161	1.085	1.125	1.059	1.132	1.154	1.015	1.105	4.85
6) Aniline	1.921	1.811	1.924	1.768	1.874	1.880	1.782	1.851	3.46
7) S Phenol-d6	1.568	1.544	1.612	1.492	1.572	1.581	1.443	1.545	3.75
8) 2-Chlorophenol	1.215	1.218	1.250	1.146	1.215	1.215	1.127	1.198	3.70
9) Benzaldehyde		1.096	1.061	0.829	0.855	0.813		0.931	14.64
10) C Phenol	1.620	1.567	1.633	1.512	1.591	1.586	1.476	1.569	3.63
11) bis(2-Chloroet...	1.370	1.257	1.309	1.195	1.264	1.258	1.203	1.265	4.77
12) 1,3-Dichlorobe...	1.524	1.432	1.445	1.329	1.400	1.423	1.284	1.405	5.61
13) C 1,4-Dichlorobe...	1.554	1.434	1.459	1.334	1.414	1.437	1.297	1.418	5.92
14) 1,2-Dichlorobe...	1.481	1.372	1.392	1.262	1.338	1.342	1.227	1.345	6.23
15) Benzyl Alcohol	1.038	1.040	1.147	1.064	1.135	1.148	1.117	1.098	4.50
16) 2,2'-oxybis(1-...	2.126	1.966	2.028	1.861	1.960	1.969	1.900	1.973	4.36
17) 2-Methylphenol	1.071	1.055	1.126	1.025	1.087	1.098	1.057	1.074	3.08
18) Hexachloroethane	0.506	0.499	0.513	0.470	0.501	0.511	0.476	0.497	3.42
19) P n-Nitroso-di-n...	0.968	0.996	1.078	0.978	1.039	1.036	1.007	1.014	3.81
20) 3+4-Methylphenols	1.453	1.396	1.553	1.449	1.523	1.528	1.483	1.484	3.70
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.515	0.492	0.495	0.430	0.486	0.501	0.459	0.483	5.93
23) S Nitrobenzene-d5	0.342	0.327	0.355	0.318	0.360	0.376	0.347	0.346	5.69
24) Nitrobenzene	0.343	0.338	0.358	0.322	0.366	0.381	0.355	0.352	5.57
25) Isophorone	0.645	0.638	0.683	0.613	0.698	0.710	0.670	0.665	5.23
26) C 2-Nitrophenol	0.098	0.099	0.128	0.120	0.144	0.155		0.124	18.79
27) 2,4-Dimethylph...	0.262	0.256	0.273	0.242	0.269	0.283	0.266	0.264	4.88
28) bis(2-Chloroet...	0.396	0.380	0.393	0.349	0.387	0.404	0.368	0.382	4.92
29) C 2,4-Dichloroph...	0.248	0.264	0.296	0.266	0.301	0.311	0.295	0.283	8.24
30) 1,2,4-Trichlor...	0.362	0.334	0.346	0.305	0.340	0.356	0.326	0.338	5.74
31) Naphthalene	1.122	1.049	1.045	0.927	1.035	1.067	0.952	1.028	6.51
32) Benzoic acid		0.117	0.161	0.154	0.189	0.211	0.227	0.176	22.92
33) 4-Chloroaniline	0.419	0.422	0.428	0.378	0.431	0.441	0.410	0.419	4.85
34) C Hexachlorobuta...	0.233	0.214	0.220	0.196	0.218	0.227	0.214	0.217	5.35
35) Caprolactam	0.073	0.086	0.096	0.085	0.102	0.103	0.099	0.092	11.94
36) C 4-Chloro-3-met...	0.270	0.286	0.310	0.277	0.322	0.330	0.312	0.301	7.74
37) 2-Methylnaphth...	0.744	0.716	0.736	0.646	0.725	0.745	0.677	0.713	5.27
38) 1-Methylnaphth...	0.728	0.700	0.715	0.631	0.704	0.722	0.655	0.694	5.28

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.608	0.572	0.594	0.525	0.588	0.626	0.571	0.583	5.57
41) P	Hexachlorocycl...	0.302	0.282	0.310	0.278	0.319	0.342	0.327	0.309	7.51
42) S	2,4,6-Tribromo...	0.189	0.198	0.218	0.191	0.218	0.234	0.213	0.209	7.84
43) C	2,4,6-Trichlor...	0.318	0.326	0.375	0.343	0.390	0.420	0.391	0.366	10.32
44)	2,4,5-Trichlor...	0.374	0.384	0.431	0.376	0.430	0.454	0.419	0.410	7.67
45) S	2-Fluorobiphenyl	1.436	1.337	1.314	1.143	1.270	1.327	1.112	1.277	8.93
46)	1,1'-Biphenyl	1.528	1.460	1.439	1.257	1.425	1.503	1.317	1.418	6.92
47)	2-Chloronaphth...	1.176	1.098	1.089	0.955	1.079	1.138	1.011	1.078	6.91
48)	2-Nitroaniline	0.247	0.247	0.298	0.275	0.331	0.351	0.340	0.299	14.65
49)	Acenaphthylene	1.878	1.829	1.820	1.578	1.797	1.875	1.626	1.772	6.79
50)	Dimethylphthalate	1.457	1.470	1.451	1.271	1.441	1.484	1.301	1.411	6.15
51)	2,6-Dinitrotol...	0.211	0.236	0.276	0.251	0.295	0.314	0.287	0.267	13.55
52) C	Acenaphthene	1.186	1.126	1.116	0.987	1.130	1.194	1.074	1.116	6.31
53)	3-Nitroaniline	0.258	0.281	0.314	0.280	0.334	0.352	0.324	0.306	11.07
54) P	2,4-Dinitrophenol	0.079	0.096	0.091	0.114	0.126	0.134	0.107		20.16
55)	Dibenzofuran	1.838	1.733	1.707	1.470	1.663	1.742	1.501	1.665	8.03
56) P	4-Nitrophenol	0.202	0.200	0.240	0.216	0.261	0.275	0.253	0.235	12.65
57)	2,4-Dinitrotol...	0.279	0.313	0.368	0.332	0.405	0.421	0.393	0.359	14.50
58)	Fluorene	1.543	1.458	1.416	1.233	1.403	1.452	1.240	1.392	8.29
59)	2,3,4,6-Tetrac...	0.318	0.341	0.380	0.329	0.392	0.407	0.369	0.362	9.28
60)	Diethylphthalate	1.435	1.444	1.429	1.235	1.431	1.482	1.285	1.391	6.66
61)	4-Chlorophenyl...	0.742	0.716	0.702	0.608	0.693	0.722	0.637	0.689	7.01
62)	4-Nitroaniline	0.306	0.308	0.324	0.283	0.342	0.353	0.319	0.319	7.32
63)	Azobenzene	1.435	1.385	1.375	1.182	1.359	1.410	1.231	1.340	7.13
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.052	0.068	0.061	0.075	0.084	0.090	0.072		19.64
66) c	n-Nitrosodiphe...	0.557	0.550	0.565	0.490	0.554	0.588	0.523	0.547	5.80
67)	4-Bromophenyl-...	0.210	0.204	0.210	0.184	0.202	0.214	0.195	0.203	5.05
68)	Hexachlorobenzene	0.248	0.236	0.242	0.213	0.235	0.250	0.228	0.236	5.36
69)	Atrazine	0.184	0.179	0.188	0.159	0.173	0.177	0.157	0.174	6.93
70) C	Pentachlorophenol	0.103	0.107	0.135	0.122	0.141	0.151	0.142	0.129	14.30
71)	Phenanthrene	1.129	1.060	1.041	0.912	1.011	1.061	0.905	1.017	8.09
72)	Anthracene	1.080	1.027	1.022	0.885	0.994	1.044	0.886	0.991	7.74
73)	Carbazole	0.980	0.926	0.940	0.802	0.905	0.949	0.807	0.901	7.76
74)	Di-n-butylphth...	1.046	1.079	1.133	0.976	1.105	1.160	0.948	1.064	7.41
75) C	Fluoranthene	1.384	1.301	1.275	1.088	1.224	1.276	1.048	1.228	9.75
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.567	0.517	0.387	0.327	0.266	0.323	0.238	0.375	33.15
78)	Pyrene	1.409	1.306	1.383	1.181	1.345	1.413	1.159	1.314	8.00
79) S	Terphenyl-d14	1.068	0.990	1.001	0.845	0.935	0.971	0.740	0.936	11.72
80)	Butylbenzylpht...	0.385	0.400	0.490	0.444	0.515	0.560	0.506	0.472	13.54
81)	Benzo(a)anthra...	1.366	1.306	1.337	1.161	1.312	1.375	1.198	1.294	6.40
82)	3,3'-Dichlorob...	0.356	0.361	0.399	0.347	0.383	0.403	0.347	0.371	6.46
83)	Chrysene	1.327	1.239	1.250	1.094	1.240	1.298	1.119	1.224	7.10
84)	Bis(2-ethylhex...	0.592	0.608	0.728	0.654	0.752	0.800	0.717	0.693	11.12
85) c	Di-n-octyl pht...	0.924	0.972	1.195	1.092	1.263	1.357	1.228	1.147	13.76

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.471	1.429	1.479	1.317	1.498	1.571	1.470	1.462		5.27
88)	Benzo(b)fluora...	1.231	1.203	1.230	1.084	1.244	1.296	1.143	1.204		5.83
89)	Benzo(k)fluora...	1.290	1.223	1.245	1.094	1.222	1.272	1.135	1.211		5.94
90) C	Benzo(a)pyrene	1.033	0.998	1.048	0.929	1.050	1.104	0.998	1.023		5.37
91)	Dibenzo(a,h)an...	1.251	1.201	1.220	1.079	1.223	1.280	1.169	1.203		5.40
92)	Benzo(g,h,i)pe...	1.216	1.177	1.207	1.066	1.219	1.277	1.189	1.193		5.39

(#) = Out of Range