

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG100322.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Oct 04 07:12:22 2022
 Response Via : Initial Calibration

Calibration Files

5 =BG055048.D 10 =BG055049.D 20 =BG055050.D 40 =BG055051.D 50 =BG055052.D 60 =BG055053.D 80 =BG055054.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.591	0.554	0.574	0.491	0.463	0.461	0.432	0.509	12.27
3)	Pyridine	1.592	1.490	1.626	1.527	1.510	1.518	1.461	1.532	3.77
4)	n-Nitrosodimet...	0.909	0.831	0.948	0.895	0.866	0.858	0.825	0.876	5.00
5) S	2-Fluorophenol	0.788	0.779	0.902	0.936	0.953	0.995	0.950	0.900	9.37
6)	Aniline	1.968	1.880	2.028	2.035	1.971	2.037	1.899	1.974	3.27
7) S	Phenol-d6	1.094	1.166	1.321	1.438	1.476	1.514	1.436	1.349	12.04
8)	2-Chlorophenol	0.817	0.840	1.054	1.087	1.142	1.172	1.138	1.036	14.17
9)	Benzaldehyde	1.281	1.220	1.185	1.060	1.004	0.976	0.861	1.084	13.89
10) C	Phenol	1.299	1.383	1.478	1.631	1.650	1.689	1.602	1.533	9.70
11)	bis(2-Chloroet...	1.299	1.240	1.323	1.270	1.231	1.251	1.183	1.257	3.67
12)	1,3-Dichlorobe...	1.482	1.441	1.482	1.413	1.403	1.404	1.354	1.426	3.25
13) C	1,4-Dichlorobe...	1.496	1.442	1.507	1.443	1.438	1.410	1.362	1.443	3.41
14)	1,2-Dichlorobe...	1.497	1.419	1.450	1.386	1.376	1.371	1.315	1.402	4.23
15)	Benzyl Alcohol	0.987	0.998	1.179	1.291	1.328	1.375	1.324	1.212	13.31
16)	2,2'-oxybis(1-...	2.496	2.388	2.500	2.443	2.346	2.308	2.180	2.380	4.79
17)	2-Methylphenol	0.911	0.921	1.073	1.133	1.179	1.190	1.154	1.080	10.98
18)	Hexachloroethane	0.437	0.453	0.458	0.471	0.456	0.476	0.451	0.457	2.83
19) P	n-Nitroso-di-n...	1.339	1.246	1.315	1.338	1.325	1.342	1.243	1.307	3.36
20)	3+4-Methylphenols	1.210	1.271	1.478	1.596	1.622	1.743	1.611	1.504	13.07
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.527	0.492	0.522	0.515	0.497	0.504	0.492	0.507	2.87
23) S	Nitrobenzene-d5	0.280	0.280	0.336	0.357	0.351	0.372	0.367	0.335	11.73
24)	Nitrobenzene	0.302	0.320	0.367	0.389	0.382	0.394	0.391	0.363	10.28
25)	Isophorone	0.644	0.657	0.711	0.747	0.729	0.757	0.734	0.711	6.21
26) C	2-Nitrophenol	0.092	0.091	0.100	0.111	0.117	0.127		0.106	13.75
27)	2,4-Dimethylph...	0.194	0.216	0.241	0.258	0.255	0.273	0.270	0.244	11.97
28)	bis(2-Chloroet...	0.351	0.354	0.366	0.379	0.361	0.376	0.362	0.364	2.82
29) C	2,4-Dichloroph...	0.177	0.200	0.246	0.279	0.290	0.309	0.313	0.259	20.71
30)	1,2,4-Trichlor...	0.353	0.333	0.352	0.360	0.344	0.354	0.348	0.349	2.42
31)	Naphthalene	1.059	1.030	1.082	1.081	1.040	1.060	1.036	1.056	2.01
32)	Benzoic acid		0.107	0.131	0.146	0.156	0.173	0.188	0.150	19.31
33)	4-Chloroaniline	0.446	0.411	0.431	0.451	0.433	0.447	0.436	0.436	3.09
34) C	Hexachlorobuta...	0.224	0.221	0.236	0.232	0.219	0.228	0.225	0.226	2.66
35)	Caprolactam	0.075	0.078	0.090	0.100	0.103	0.111	0.106	0.095	14.89
36) C	4-Chloro-3-met...	0.240	0.236	0.297	0.336	0.334	0.352	0.349	0.306	16.29
37)	2-Methylnaphth...	0.807	0.744	0.788	0.793	0.768	0.786	0.761	0.778	2.74
38)	1-Methylnaphth...	0.786	0.739	0.760	0.771	0.743	0.763	0.735	0.757	2.45

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.588	0.547	0.602	0.590	0.585	0.594	0.582	0.584	2.98
41) P	Hexachlorocycl...		0.191	0.234	0.256	0.261	0.280	0.288	0.251	14.04
42) S	2,4,6-Tribromo...	0.133	0.149	0.171	0.201	0.198	0.213		0.177	17.88
43) C	2,4,6-Trichlor...	0.200	0.221	0.283	0.329	0.350	0.378		0.294	24.33
44)	2,4,5-Trichlor...	0.257	0.263	0.333	0.381	0.401	0.418		0.342	20.42
45) S	2-Fluorobiphenyl	1.312	1.252	1.330	1.294	1.267	1.271	1.241	1.281	2.52
46)	1,1'-Biphenyl	1.386	1.292	1.419	1.408	1.364	1.376	1.355	1.371	3.05
47)	2-Chloronaphth...	1.151	1.048	1.119	1.126	1.094	1.105	1.092	1.105	2.91
48)	2-Nitroaniline	0.185	0.201	0.249	0.289	0.306	0.330		0.260	22.44
49)	Acenaphthylene	1.838	1.761	1.888	1.883	1.819	1.829	1.792	1.830	2.50
50)	Dimethylphthalate	1.159	1.187	1.363	1.415	1.439	1.483	1.456	1.357	9.70
51)	2,6-Dinitrotol...	0.176	0.185	0.237	0.265	0.275	0.289	0.287	0.245	19.38
52) C	Acenaphthene	1.178	1.072	1.152	1.142	1.119	1.155	1.135	1.136	2.98
53)	3-Nitroaniline	0.213	0.234	0.285	0.313	0.320	0.335	0.332	0.290	16.80
54) P	2,4-Dinitrophenol	0.112	0.115	0.128	0.127	0.126	0.135	0.141	0.126	7.96
55)	Dibenzofuran	1.854	1.754	1.868	1.851	1.801	1.807	1.753	1.813	2.60
56) P	4-Nitrophenol		0.160	0.203	0.222	0.232	0.250	0.250	0.219	15.61
57)	2,4-Dinitrotol...	0.259	0.259	0.319	0.360	0.371	0.390	0.397	0.336	17.42
58)	Fluorene	1.479	1.439	1.493	1.471	1.431	1.441	1.400	1.451	2.23
59)	2,3,4,6-Tetrac...	0.229	0.240	0.296	0.342	0.359	0.387	0.391	0.321	20.90
60)	Diethylphthalate	1.175	1.276	1.414	1.459	1.476	1.515	1.490	1.401	9.07
61)	4-Chlorophenyl...	0.816	0.761	0.806	0.801	0.781	0.785	0.771	0.788	2.52
62)	4-Nitroaniline	0.267	0.283	0.338	0.348	0.349	0.351	0.351	0.327	11.00
63)	Azobenzene	1.702	1.607	1.657	1.570	1.527	1.516	1.464	1.578	5.29
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.071	0.066	0.071	0.073	0.073	0.081	0.087	0.075	9.69
66) c	n-Nitrosodiphe...	0.486	0.474	0.535	0.540	0.528	0.545	0.539	0.521	5.50
67)	4-Bromophenyl-...	0.209	0.196	0.219	0.221	0.209	0.213	0.214	0.212	3.95
68)	Hexachlorobenzene	0.238	0.232	0.251	0.252	0.244	0.246	0.250	0.245	3.08
69)	Atrazine	0.147	0.156	0.172	0.186	0.174	0.179	0.173	0.170	7.89
70) C	Pentachlorophenol		0.080	0.101	0.121	0.125	0.136	0.140	0.117	19.62
71)	Phenanthrene	1.075	1.030	1.087	1.068	1.030	1.043	1.021	1.051	2.46
72)	Anthracene	1.055	0.994	1.056	1.050	1.001	1.014	0.983	1.022	3.06
73)	Carbazole	0.847	0.876	0.945	0.933	0.891	0.904	0.882	0.897	3.79
74)	Di-n-butylphth...	0.708	0.806	0.959	1.018	0.993	1.043	1.026	0.936	13.71
75) C	Fluoranthene	1.390	1.335	1.382	1.340	1.255	1.252	1.221	1.311	5.16
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.402	0.406	0.349	0.382	0.248	0.320	0.304	0.345	16.76
78)	Pyrene	1.347	1.334	1.373	1.345	1.294	1.320	1.296	1.330	2.14
79) S	Terphenyl-d14	1.022	1.007	1.025	1.005	0.957	0.973	0.938	0.990	3.40
80)	Butylbenzylpht...	0.238	0.253	0.322	0.386	0.394	0.436	0.445	0.353	23.77
81)	Benzo(a)anthra...	1.254	1.228	1.304	1.317	1.246	1.288	1.257	1.271	2.57
82)	3,3'-Dichlorob...	0.302	0.319	0.372	0.397	0.383	0.410	0.403	0.369	11.53
83)	Chrysene	1.234	1.209	1.262	1.252	1.195	1.221	1.198	1.225	2.11
84)	Bis(2-ethylhex...	0.370	0.399	0.515	0.590	0.591	0.654	0.654	0.539	21.51
85) c	Di-n-octyl pht...	0.622	0.653	0.845	0.977	1.001	1.095	1.102	0.899	22.06

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86) I	Perylene-d12													
87)	Indeno(1,2,3-c...	1.392	1.370	1.448	1.486	1.440	1.497	1.471	1.443					3.30
88)	Benzo(b)fluora...	1.151	1.131	1.169	1.220	1.178	1.205	1.194	1.178					2.62
89)	Benzo(k)fluora...	1.186	1.140	1.240	1.210	1.175	1.210	1.149	1.187					3.03
90) C	Benzo(a)pyrene	1.002	0.957	1.018	1.037	1.012	1.032	1.012	1.010					2.58
91)	Dibenzo(a,h)an...	1.153	1.132	1.178	1.188	1.176	1.201	1.179	1.172					1.95
92)	Benzo(g,h,i)pe...	1.150	1.126	1.187	1.204	1.175	1.209	1.187	1.177					2.51

(#) = Out of Range