

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG082222.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Aug 23 03:09:46 2022
 Response Via : Initial Calibration

Calibration Files

5 =BG054683.D 10 =BG054684.D 20 =BG054685.D 40 =BG054686.D 50 =BG054687.D 60 =BG054688.D 80 =BG054689.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.608	0.591	0.554	0.514	0.523	0.519	0.511	0.546	7.25
3)	Pyridine	1.487	1.593	1.608	1.532	1.503	1.503	1.469	1.528	3.48
4)	n-Nitrosodimet...	0.655	0.689	0.712	0.654	0.663	0.665	0.646	0.669	3.45
5) S	2-Fluorophenol	0.992	1.033	1.094	1.066	1.080	1.094	1.070	1.061	3.46
6)	Aniline	1.842	1.921	1.968	1.853	1.814	1.820	1.769	1.855	3.65
7) S	Phenol-d6	1.404	1.520	1.554	1.497	1.500	1.496	1.439	1.487	3.37
8)	2-Chlorophenol	1.028	1.108	1.167	1.146	1.151	1.168	1.144	1.130	4.38
9)	Benzaldehyde	1.179	1.209	1.139	0.991	0.939	0.902	0.838	1.028	14.28
10) C	Phenol	1.487	1.592	1.609	1.537	1.535	1.541	1.482	1.540	3.09
11)	bis(2-Chloroet...	1.365	1.412	1.386	1.297	1.259	1.279	1.218	1.317	5.48
12)	1,3-Dichlorobe...	1.494	1.554	1.543	1.419	1.392	1.400	1.356	1.451	5.41
13) C	1,4-Dichlorobe...	1.534	1.549	1.534	1.436	1.409	1.420	1.353	1.462	5.21
14)	1,2-Dichlorobe...	1.465	1.482	1.464	1.338	1.315	1.324	1.266	1.379	6.42
15)	Benzyl Alcohol	0.933	0.991	1.052	1.053	1.067	1.093	1.065	1.036	5.31
16)	2,2'-oxybis(1-...	2.094	2.158	2.115	2.024	1.983	1.997	1.929	2.043	3.99
17)	2-Methylphenol	0.954	1.057	1.075	1.056	1.040	1.057	1.031	1.039	3.84
18)	Hexachloroethane	0.470	0.483	0.495	0.471	0.487	0.492	0.481	0.483	2.00
19) P	n-Nitroso-di-n...	1.058	1.095	1.074	1.045	1.027	1.028	0.998	1.046	3.11
20)	3+4-Methylphenols	1.241	1.362	1.389	1.408	1.430	1.459	1.417	1.386	5.11
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.508	0.520	0.531	0.487	0.495	0.499	0.486	0.504	3.39
23) S	Nitrobenzene-d5	0.314	0.334	0.355	0.350	0.363	0.371	0.370	0.351	5.94
24)	Nitrobenzene	0.328	0.348	0.364	0.360	0.371	0.379	0.376	0.361	5.00
25)	Isophorone	0.619	0.651	0.675	0.671	0.685	0.693	0.688	0.669	3.88
26) C	2-Nitrophenol	0.075	0.074	0.085	0.096	0.109	0.122		0.093	20.69
27)	2,4-Dimethylph...	0.208	0.222	0.244	0.245	0.259	0.265	0.266	0.244	9.06
28)	bis(2-Chloroet...	0.381	0.399	0.407	0.390	0.399	0.399	0.391	0.395	2.15
29) C	2,4-Dichloroph...	0.206	0.230	0.261	0.268	0.284	0.291	0.293	0.262	12.57
30)	1,2,4-Trichlor...	0.347	0.358	0.360	0.338	0.349	0.348	0.342	0.349	2.24
31)	Naphthalene	1.106	1.130	1.119	1.042	1.051	1.056	1.030	1.076	3.77
32)	Benzoic acid		0.080	0.089	0.116	0.134	0.150	0.167	0.123	27.68
33)	4-Chloroaniline	0.400	0.430	0.436	0.421	0.427	0.435	0.424	0.425	2.83
34) C	Hexachlorobuta...	0.212	0.226	0.225	0.214	0.221	0.223	0.220	0.220	2.46
35)	Caprolactam		0.065	0.070	0.080	0.090	0.092	0.094	0.082	14.78
36) C	4-Chloro-3-met...	0.218	0.248	0.273	0.287	0.303	0.306	0.311	0.278	12.41
37)	2-Methylnaphth...	0.742	0.775	0.761	0.722	0.731	0.730	0.715	0.739	2.93
38)	1-Methylnaphth...	0.725	0.750	0.738	0.693	0.703	0.707	0.690	0.715	3.23

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.625	0.639	0.647	0.599	0.605	0.607	0.601	0.617	3.16
41) P	Hexachlorocycl...	0.202	0.222	0.255	0.258	0.276	0.286	0.298	0.257	13.43
42) S	2,4,6-Tribromo...	0.114	0.127	0.151	0.163	0.179	0.188	0.199	0.160	19.60
43) C	2,4,6-Trichlor...	0.229	0.268	0.311	0.335	0.363	0.376	0.389	0.324	18.27
44)	2,4,5-Trichlor...	0.275	0.313	0.369	0.379	0.403	0.414	0.418	0.367	14.80
45) S	2-Fluorobiphenyl	1.443	1.453	1.443	1.315	1.299	1.292	1.248	1.356	6.39
46)	1,1'-Biphenyl	1.575	1.577	1.588	1.474	1.467	1.468	1.444	1.513	4.19
47)	2-Chloronaphth...	1.202	1.223	1.213	1.115	1.110	1.120	1.098	1.154	4.80
48)	2-Nitroaniline	0.167	0.197	0.232	0.269	0.296		0.232		22.43
49)	Acenaphthylene	1.949	1.953	1.961	1.826	1.822	1.835	1.789	1.876	3.95
50)	Dimethylphthalate	1.203	1.291	1.368	1.361	1.396	1.410	1.398	1.347	5.56
51)	2,6-Dinitrotol...	0.175	0.206	0.238	0.256	0.272	0.280	0.287	0.245	16.99
52) C	Acenaphthene	1.139	1.174	1.189	1.128	1.133	1.150	1.140	1.150	1.96
53)	3-Nitroaniline	0.199	0.240	0.279	0.298	0.310	0.324	0.328	0.282	16.87
54) P	2,4-Dinitrophenol		0.062	0.077	0.084	0.092	0.100	0.109	0.087	19.13
55)	Dibenzofuran	1.828	1.842	1.832	1.693	1.676	1.691	1.641	1.743	4.97
56) P	4-Nitrophenol		0.144	0.188	0.209	0.229	0.240	0.251	0.210	18.85
57)	2,4-Dinitrotol...	0.198	0.246	0.296	0.338	0.360	0.377	0.387	0.314	22.68
58)	Fluorene	1.484	1.517	1.511	1.413	1.399	1.395	1.370	1.441	4.24
59)	2,3,4,6-Tetrac...	0.209	0.245	0.298	0.332	0.339	0.354	0.364	0.306	19.14
60)	Diethylphthalate	1.129	1.241	1.342	1.339	1.371	1.394	1.380	1.314	7.29
61)	4-Chlorophenyl...	0.720	0.740	0.741	0.705	0.699	0.699	0.691	0.714	2.86
62)	4-Nitroaniline	0.245	0.275	0.313	0.320	0.327	0.340	0.335	0.308	11.32
63)	Azobenzene	1.462	1.553	1.540	1.428	1.416	1.423	1.391	1.459	4.36
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.045	0.051	0.058	0.065	0.070	0.078	0.061	19.75
66) c	n-Nitrosodiphe...	0.549	0.585	0.587	0.557	0.561	0.572	0.566	0.568	2.51
67)	4-Bromophenyl-...	0.193	0.197	0.194	0.186	0.191	0.193	0.194	0.193	1.77
68)	Hexachlorobenzene	0.245	0.252	0.250	0.235	0.238	0.241	0.240	0.243	2.60
69)	Atrazine	0.138	0.156	0.171	0.171	0.178	0.182	0.183	0.168	9.68
70) C	Pentachlorophenol		0.075	0.092	0.114	0.123	0.130	0.138	0.112	21.43
71)	Phenanthrene	1.104	1.139	1.109	1.025	1.030	1.044	1.011	1.066	4.72
72)	Anthracene	1.055	1.087	1.086	1.001	1.002	1.013	0.988	1.033	4.09
73)	Carbazole	0.870	0.944	0.973	0.908	0.918	0.924	0.896	0.919	3.60
74)	Di-n-butylphth...	0.775	0.894	0.992	0.999	1.047	1.093	1.063	0.980	11.34
75) C	Fluoranthene	1.239	1.326	1.337	1.225	1.229	1.252	1.191	1.257	4.31
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.456	0.406	0.419	0.462	0.408	0.431	0.459	0.434	5.62
78)	Pyrene	1.411	1.492	1.465	1.399	1.402	1.369	1.337	1.411	3.77
79) S	Terphenyl-d14	1.061	1.097	1.070	0.987	0.983	0.954	0.896	1.007	7.17
80)	Butylbenzylpht...	0.231	0.285	0.360	0.411	0.448	0.482	0.500	0.388	26.07
81)	Benzo(a)anthra...	1.321	1.413	1.403	1.349	1.336	1.353	1.333	1.358	2.62
82)	3,3'-Dichlorob...	0.326	0.375	0.409	0.427	0.435	0.451	0.450	0.410	11.11
83)	Chrysene	1.262	1.361	1.340	1.273	1.266	1.281	1.266	1.293	3.13
84)	Bis(2-ethylhex...	0.396	0.484	0.582	0.649	0.680	0.731	0.746	0.610	21.38
85) c	Di-n-octyl pht...		0.745	0.920	1.055	1.121	1.204	1.240	1.047	17.84

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.358	1.453	1.511	1.500	1.513	1.544	1.567	1.492		4.63
88)	Benzo(b)fluora...	1.160	1.259	1.286	1.237	1.234	1.268	1.249	1.242		3.25
89)	Benzo(k)fluora...	1.245	1.335	1.329	1.267	1.275	1.261	1.258	1.282		2.79
90) C	Benzo(a)pyrene	0.994	1.068	1.085	1.062	1.075	1.089	1.089	1.066		3.13
91)	Dibenzo(a,h)an...	1.144	1.227	1.244	1.221	1.231	1.254	1.261	1.226		3.20
92)	Benzo(g,h,i)pe...	1.091	1.182	1.201	1.205	1.214	1.243	1.255	1.199		4.48

(#) = Out of Range