

Method Path : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\
 Method File : 8270-BG121218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Dec 12 15:26:27 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BG038495.D 10 =BG038502.D 25 =BG038497.D 40 =BG038498.D 50 =BG038499.D 60 =BG038500.D 80 =BG038501.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.532	0.506	0.545	0.533	0.529	0.515	0.515	0.525	2.58
3)	Pyridine	1.202	1.406	1.731	1.412	1.462	1.456	1.445		11.76
4)	n-Nitrosodimet...	0.697	0.590	0.707	0.772	0.700	0.736	0.753	0.708	8.35
5) S	2-Fluorophenol	1.016	1.128	1.163	1.129	1.133	1.180	1.144	1.128	4.69
6)	Aniline	1.733	2.013	2.026	1.999	2.009	2.065	1.988	1.976	5.56
7) S	Phenol-d6	1.380	1.552	1.574	1.542	1.567	1.631	1.591	1.548	5.13
8)	2-Chlorophenol	1.206	1.319	1.347	1.312	1.315	1.336	1.301	1.305	3.55
9)	Benzaldehyde	1.140	1.180	1.042	0.928	0.890	0.845	1.004		13.72
10) C	Phenol	1.499	1.607	1.682	1.644	1.665	1.729	1.688	1.645	4.54
11)	bis(2-Chloroet...	1.253	1.311	1.357	1.281	1.305	1.361	1.298	1.309	2.96
12)	1,3-Dichlorobe...	1.497	1.539	1.577	1.526	1.535	1.582	1.544	1.543	1.90
13) C	1,4-Dichlorobe...	1.523	1.622	1.607	1.551	1.550	1.635	1.574	1.580	2.65
14)	1,2-Dichlorobe...	1.459	1.557	1.500	1.447	1.473	1.525	1.467	1.490	2.66
15)	Benzyl Alcohol	0.937	1.165	1.244	1.261	1.261	1.283	1.307	1.208	10.57
16)	2,2'-oxybis(1-...	2.970	3.115	3.054	2.958	2.929	3.039	2.931	2.999	2.37
17)	2-Methylphenol	0.907	1.101	1.154	1.124	1.121	1.181	1.125	1.102	8.12
18)	Hexachloroethane	0.546	0.607	0.575	0.567	0.577	0.588	0.582	0.577	3.24
19) P	n-Nitroso-di-n...	0.931	1.087	1.162	1.094	1.086	1.133	1.117	1.087	6.82
20)	3+4-Methylphenols	1.252	1.438	1.569	1.549	1.592	1.638	1.614	1.522	8.88
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.470	0.519	0.514	0.503	0.500	0.502	0.489	0.500	3.24
23) S	Nitrobenzene-d5	0.377	0.404	0.397	0.394	0.392	0.390	0.387	0.391	2.11
24)	Nitrobenzene	0.390	0.400	0.402	0.397	0.397	0.399	0.387	0.396	1.41
25)	Isophorone	0.612	0.653	0.656	0.826	0.668	0.666	0.843	0.703	13.04
26) C	2-Nitrophenol	0.182	0.203	0.204	0.204	0.205	0.218	0.203		5.82
27)	2,4-Dimethylph...	0.292	0.287	0.294	0.288	0.291	0.292	0.291		0.83
28)	bis(2-Chloroet...	0.341	0.407	0.408	0.404	0.410	0.407	0.401	0.397	6.26
29) C	2,4-Dichloroph...	0.253	0.315	0.340	0.338	0.336	0.339	0.341	0.323	9.95
30)	1,2,4-Trichlor...	0.387	0.389	0.388	0.390	0.394	0.397	0.387	0.390	0.98
31)	Naphthalene	1.006	1.002	0.997	0.985	0.975	0.975	0.958	0.985	1.76
32)	Benzoic acid	0.042	0.135	0.170	0.180	0.186	0.212	0.154		39.30
33)	4-Chloroaniline	0.372	0.414	0.442	0.442	0.443	0.445	0.436	0.428	6.23
34) C	Hexachlorobuta...	0.250	0.256	0.265	0.270	0.268	0.271	0.269	0.264	3.04
35)	Caprolactam	0.121	0.173	0.128	0.127	0.126	0.126	0.134		14.65
36) C	4-Chloro-3-met...	0.342	0.408	0.367	0.366	0.364	0.366	0.369		5.83
37)	2-Methylnaphth...	0.685	0.710	0.717	0.703	0.706	0.703	0.697	0.703	1.46

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38)	1-Methylnaphth...	0.683	0.703	0.686	0.680	0.681	0.675	0.666	0.682	1.64
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.740	0.742	0.748	0.755	0.752	0.769	0.728	0.748	1.76
41) P	Hexachlorocycl...		0.349	0.389	0.423	0.422	0.446	0.436	0.411	8.74
42) S	2,4,6-Tribromo...	0.240	0.272	0.283	0.283	0.288	0.286	0.277	0.276	6.04
43) C	2,4,6-Trichlor...	0.380	0.442	0.472	0.488	0.476	0.485	0.474	0.460	8.27
44)	2,4,5-Trichlor...	0.383	0.483	0.492	0.513	0.512	0.519	0.505	0.487	9.76
45) S	2-Fluorobiphenyl	1.484	1.505	1.480	1.461	1.428	1.473	1.374	1.458	3.02
46)	1,1'-Biphenyl	1.690	1.687	1.682	1.706	1.659	1.696	1.617	1.677	1.80
47)	2-Chloronaphth...	1.308	1.317	1.293	1.296	1.277	1.319	1.256	1.295	1.74
48)	2-Nitroaniline	0.335	0.411	0.429	0.426	0.425	0.441	0.420	0.413	8.58
49)	Acenaphthylene	1.892	1.969	1.990	1.969	1.930	1.947	1.855	1.936	2.46
50)	Dimethylphthalate	1.591	1.683	1.677	1.658	1.637	1.647	1.540	1.633	3.13
51)	2,6-Dinitrotol...	0.357	0.366	0.379	0.375	0.378	0.376	0.360	0.370	2.43
52) C	Acenaphthene	1.152	1.163	1.167	1.164	1.159	1.180	1.121	1.158	1.60
53)	3-Nitroaniline	0.324	0.368	0.396	0.389	0.395	0.392	0.377	0.377	6.80
54) P	2,4-Dinitrophenol		0.129	0.182	0.200	0.208	0.222	0.219	0.193	18.02
55)	Dibenzofuran	2.066	2.021	2.019	1.971	1.971	1.968	1.875	1.985	3.03
56) P	4-Nitrophenol		0.239	0.291	0.304	0.298	0.300	0.286	0.286	8.42
57)	2,4-Dinitrotol...	0.489	0.522	0.533	0.540	0.533	0.536	0.496	0.521	3.93
58)	Fluorene	1.474	1.517	1.484	1.489	1.466	1.479	1.382	1.470	2.85
59)	2,3,4,6-Tetrac...		0.406	0.448	0.460	0.444	0.442	0.428	0.438	4.23
60)	Diethylphthalate		2.059	1.864	1.786	1.736	1.707	1.607	1.793	8.67
61)	4-Chlorophenyl...	0.910	0.950	0.917	0.928	0.917	0.927	0.872	0.917	2.57
62)	4-Nitroaniline	0.307	0.409	0.413	0.410	0.402	0.399	0.377	0.388	9.75
63)	Azobenzene	1.518	1.526	1.528	1.521	1.480	1.493	1.418	1.498	2.63
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.128	0.142	0.146	0.144	0.149	0.148	0.143	5.40
66) c	n-Nitrosodiphe...	0.556	0.591	0.607	0.590	0.587	0.600	0.583	0.588	2.75
67)	4-Bromophenyl-...	0.236	0.244	0.243	0.248	0.245	0.250	0.243	0.244	1.82
68)	Hexachlorobenzene	0.238	0.252	0.253	0.259	0.256	0.261	0.253	0.253	2.94
69)	Atrazine	0.222	0.233	0.235	0.226	0.216	0.209	0.187	0.218	7.57
70) C	Pentachlorophenol		0.118	0.147	0.155	0.155	0.161	0.164	0.150	11.21
71)	Phenanthrene	1.058	1.065	1.060	1.035	1.019	1.037	0.986	1.037	2.69
72)	Anthracene	1.015	1.049	1.051	1.039	1.011	1.027	0.975	1.024	2.60
73)	Carbazole	0.992	1.046	1.060	1.025	1.003	1.006	0.955	1.013	3.46
74)	Di-n-butylphth...	1.147	1.188	1.219	1.185	1.150	1.153	1.091	1.162	3.51
75) C	Fluoranthene	1.308	1.301	1.314	1.260	1.241	1.374	1.184	1.283	4.75
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.633	0.414	0.689	0.712	0.587	0.574	0.532	0.591	17.09
78)	Pyrene	1.208	1.631	1.326	1.297	1.287	1.280	1.221	1.321	10.82
79) S	Terphenyl-d14	0.911	0.972	0.950	0.920	0.919	0.904	0.856	0.919	3.98
80)	Butylbenzylphth...	0.466	0.492	0.527	0.531	0.537	0.536	0.525	0.516	5.23
81)	Benzo(a)anthra...	1.170	1.194	1.257	1.245	1.237	1.238	1.190	1.219	2.73
82)	3,3'-Dichlorob...	0.441	0.456	0.509	0.509	0.501	0.497	0.470	0.483	5.65

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83)	Chrysene	1.201	1.153	1.194	1.186	1.174	1.168	1.142	1.174	1.82
84)	Bis(2-ethylhex...	0.639	0.695	0.757	0.765	0.760	0.767	0.742	0.732	6.55
85) c	Di-n-octyl pht...	1.067	1.175	1.249	1.292	1.277	1.277	1.246	1.226	6.52
86)	Indeno(1,2,3-c...	1.212	1.308	1.397	1.438	1.429	1.450	1.426	1.380	6.37
87) I	Perylene-d12	-----ISTD-----								
88)	Benzo(b)fluora...	0.992	1.076	1.114	1.122	1.143	1.139	1.101	1.098	4.75
89)	Benzo(k)fluora...	1.029	1.107	1.097	1.120	1.090	1.129	1.083	1.093	3.01
90) C	Benzo(a)pyrene	0.953	1.050	1.081	1.082	1.080	1.096	1.073	1.059	4.60
91)	Dibenzo(a,h)an...	0.943	1.045	1.073	1.079	1.081	1.096	1.067	1.055	4.89
92)	Benzo(g,h,i)pe...	0.928	1.052	1.039	1.063	1.061	1.080	1.053	1.039	4.88

(#) = Out of Range