

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG123019.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Dec 31 13:32:23 2019
 Response Via : Initial Calibration

Calibration Files

10 =BG043859.D 20 =BG043860.D 40 =BG043861.D 50 =BG043862.D 60 =BG043863.D 80 =BG043864.D 100 =BG043865.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.508	0.514	0.479	0.496	0.450	0.447	0.430	0.475	6.94
3)	Pyridine	1.483	1.514	1.434	1.567	1.323	1.285	1.216	1.403	9.29
4)	n-Nitrosodimet...	0.648	0.661	0.619	0.672	0.607	0.594	0.571	0.625	5.93
5) S	2-Fluorophenol	1.181	1.174	1.127	1.185	1.045	0.988	0.925	1.089	9.59
6)	Aniline	2.145	2.123	2.011	2.199	1.919	1.844	1.756	2.000	8.33
7) S	Phenol-d6	1.701	1.693	1.553	1.661	1.443	1.339	1.269	1.523	11.55
8)	2-Chlorophenol	1.416	1.351	1.288	1.390	1.220	1.168	1.120	1.279	8.88
9)	Benzaldehyde	1.178	1.117	0.924	0.958	0.787	0.956	0.901	0.974	13.63
10) C	Phenol	1.705	1.686	1.582	1.719	1.495	1.431	1.365	1.569	9.05
11)	bis(2-Chloroet...	1.470	1.450	1.366	1.479	1.283	1.240	1.191	1.354	8.71
12)	1,3-Dichlorobe...	1.650	1.611	1.505	1.616	1.425	1.364	1.304	1.496	9.08
13) C	1,4-Dichlorobe...	1.606	1.585	1.498	1.593	1.402	1.356	1.295	1.476	8.56
14)	1,2-Dichlorobe...	1.560	1.535	1.424	1.538	1.345	1.285	1.234	1.417	9.34
15)	Benzyl Alcohol	1.228	1.251	1.209	1.331	1.167	1.129	1.097	1.202	6.57
16)	2,2'-oxybis(1-...	2.297	2.235	2.072	2.288	1.986	1.923	1.863	2.095	8.56
17)	2-Methylphenol	1.198	1.183	1.131	1.250	1.091	1.062	1.030	1.135	6.99
18)	Hexachloroethane	0.599	0.612	0.576	0.621	0.553	0.540	0.522	0.575	6.60
19) P	n-Nitroso-di-n...	1.206	1.222	1.136	1.249	1.072	1.039	1.014	1.134	8.32
20)	3+4-Methylphenols	1.670	1.662	1.595	1.752	1.527	1.468	1.412	1.584	7.66
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.522	0.549	0.496	0.535	0.475	0.463	0.441	0.497	8.04
23) S	Nitrobenzene-d5	0.375	0.394	0.361	0.391	0.345	0.383	0.368	0.374	4.62
24)	Nitrobenzene	0.383	0.397	0.365	0.397	0.354	0.355	0.343	0.370	5.89
25)	Isophorone	0.726	0.758	0.698	0.759	0.669	0.663	0.637	0.701	6.82
26) C	2-Nitrophenol	0.149	0.173	0.169	0.197	0.175	0.183	0.180	0.175	8.41
27)	2,4-Dimethylph...	0.260	0.282	0.257	0.288	0.254	0.255	0.250	0.264	5.63
28)	bis(2-Chloroet...	0.492	0.513	0.466	0.507	0.443	0.438	0.416	0.468	7.97
29) C	2,4-Dichloroph...	0.308	0.329	0.311	0.344	0.307	0.308	0.294	0.315	5.31
30)	1,2,4-Trichlor...	0.363	0.378	0.347	0.378	0.339	0.340	0.324	0.353	5.93
31)	Naphthalene	1.063	1.092	0.979	1.046	0.915	0.873	0.806	0.968	11.05
32)	Benzoic acid	0.119	0.162	0.174	0.243	0.222	0.230	0.229	0.197	23.34
33)	4-Chloroaniline	0.472	0.498	0.463	0.500	0.440	0.440	0.418	0.462	6.71
34) C	Hexachlorobuta...	0.217	0.228	0.210	0.233	0.208	0.209	0.203	0.215	5.20
35)	Caprolactam	0.115	0.124	0.116	0.126	0.113	0.114	0.111	0.117	4.93
36) C	4-Chloro-3-met...	0.344	0.356	0.331	0.364	0.320	0.320	0.309	0.335	6.09
37)	2-Methylnaphth...	0.800	0.818	0.724	0.781	0.687	0.665	0.626	0.729	10.04
38)	1-Methylnaphth...	0.752	0.777	0.687	0.747	0.647	0.629	0.596	0.691	10.07

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.600	0.623	0.581	0.634	0.558	0.564	0.542	0.586	5.84	
41) P	Hexachlorocycl...	0.265	0.285	0.302	0.339	0.311	0.315	0.311	0.304	7.73	
42) S	2,4,6-Tribromo...	0.208	0.222	0.212	0.228	0.204	0.199	0.191	0.209	6.10	
43) C	2,4,6-Trichlor...	0.378	0.414	0.403	0.445	0.397	0.400	0.387	0.403	5.39	
44)	2,4,5-Trichlor...	0.406	0.432	0.416	0.453	0.405	0.405	0.395	0.416	4.81	
45) S	2-Fluorobiphenyl	1.353	1.162	1.188	1.013	1.001	0.906	1.104		14.63	
46)	1,1'-Biphenyl	1.589	1.613	1.473	1.550	1.346	1.287	1.180	1.434	11.57	
47)	2-Chloronaphth...	1.243	1.291	1.169	1.248	1.096	1.068	0.997	1.159	9.38	
48)	2-Nitroaniline	0.356	0.388	0.371	0.404	0.364	0.369	0.357	0.373	4.65	
49)	Acenaphthylene	1.854	1.926	1.709	1.784	1.548	1.482	1.356	1.665	12.56	
50)	Dimethylphthalate	1.614	1.645	1.458	1.521	1.316	1.233	1.154	1.420	13.38	
51)	2,6-Dinitrotol...	0.323	0.343	0.317	0.348	0.304	0.311	0.301	0.321	5.72	
52) C	Acenaphthene	1.201	1.275	1.169	1.274	1.114	1.097	1.046	1.168	7.56	
53)	3-Nitroaniline	0.367	0.390	0.368	0.397	0.350	0.349	0.331	0.364	6.50	
54) P	2,4-Dinitrophenol	0.096	0.123	0.143	0.165	0.154	0.165	0.166	0.145	18.22	
55)	Dibenzofuran	1.862	1.882	1.657	1.716	1.485	1.384	1.269	1.608	14.67	
56) P	4-Nitrophenol	0.265	0.289	0.289	0.306	0.274	0.274	0.259	0.279	5.76	
57)	2,4-Dinitrotol...	0.434	0.471	0.442	0.471	0.422	0.419	0.398	0.437	6.22	
58)	Fluorene	1.475	1.479	1.303	1.358	1.169	1.109	1.028	1.274	13.94	
59)	2,3,4,6-Tetrac...	0.353	0.378	0.363	0.387	0.348	0.346	0.329	0.358	5.57	
60)	Diethylphthalate	1.630	1.648	1.460	1.514	1.316	1.238	1.137	1.420	13.80	
61)	4-Chlorophenyl...	0.770	0.768	0.689	0.740	0.647	0.630	0.599	0.692	10.03	
62)	4-Nitroaniline	0.389	0.399	0.367	0.378	0.340	0.334	0.313	0.360	8.79	
63)	Azobenzene	1.495	1.511	1.352	1.407	1.221	1.161	1.074	1.317	12.81	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.070	0.088	0.095	0.110	0.101	0.109	0.108	0.097	15.07	
66) c	n-Nitrosodipe...	0.636	0.646	0.580	0.639	0.559	0.545	0.517	0.589	8.80	
67)	4-Bromophenyl-...	0.228	0.236	0.218	0.244	0.217	0.217	0.214	0.225	5.18	
68)	Hexachlorobenzene	0.250	0.256	0.236	0.261	0.232	0.234	0.227	0.242	5.45	
69)	Atrazine	0.215	0.221	0.200	0.205	0.184	0.167	0.148	0.191	13.69	
70) C	Pentachlorophenol	0.107	0.127	0.137	0.151	0.138	0.140	0.136	0.134	10.21	
71)	Phenanthrene	1.121	1.121	0.984	1.015	0.892	0.830	0.753	0.959	14.75	
72)	Anthracene	1.110	1.101	0.973	1.008	0.878	0.822	0.743	0.948	14.71	
73)	Carbazole	1.024	1.015	0.902	0.925	0.811	0.761	0.692	0.876	14.39	
74)	Di-n-butylphth...	1.304	1.290	1.131	1.120	0.981	0.883		1.118	14.89	
75) C	Fluoranthene	1.274	1.255	1.096	1.100	0.971	0.886		1.097	13.93	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.479	0.477	0.564	0.594	0.538	0.472	0.396	0.503	13.36	
78)	Pyrene	1.521	1.498	1.288	1.316	1.153	1.057		1.305	14.10	
79) S	Terphenyl-d14	1.089	1.051	0.845	0.840	0.706	0.664	0.603	0.828	22.64	
80)	Butylbenzylphth...	0.640	0.681	0.628	0.676	0.602	0.575	0.549	0.622	7.98	
81)	Benzo(a)anthra...	1.417	1.426	1.258	1.330	1.148	1.081	1.021	1.240	12.99	
82)	3,3'-Dichlorob...	0.511	0.530	0.501	0.537	0.478	0.452	0.421	0.490	8.66	
83)	Chrysene	1.351	1.351	1.196	1.258	1.104	1.017	0.972	1.178	12.97	
84)	Bis(2-ethylhex...	0.946	0.983	0.869	0.928	0.813	0.754	0.710	0.858	11.93	
85) c	Di-n-octyl pht...	1.571	1.642	1.481	1.575	1.373	1.264	1.185	1.442	11.97	
86)	Indeno(1,2,3-c...	1.581	1.658	1.578	1.732	1.567	1.549	1.545	1.601	4.30	

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87)	I	Perylene-d12										
88)		Benzo(b)fluora...	1.245	1.332	1.169	1.272	1.135	1.090	1.033	1.182	8.96	
89)		Benzo(k)fluora...	1.258	1.246	1.148	1.201	1.049	1.029	0.938	1.124	10.80	
90)	C	Benzo(a)pyrene	1.170	1.216	1.122	1.207	1.066	1.047	0.984	1.116	7.84	
91)		Dibenzo(a,h)an...	1.151	1.194	1.111	1.209	1.080	1.075	1.024	1.121	6.00	
92)		Benzo(g,h,i)pe...	1.126	1.175	1.103	1.194	1.074	1.073	1.048	1.113	4.93	

(#) = Out of Range