

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG011218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jan 15 10:05:15 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BG031996.D 10 =BG031997.D 25 =BG031998.D 40 =BG031999.D 50 =BG032000.D 60 =BG032001.D 80 =BG032002.D

Compound		2.5	10	25	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.488	0.452	0.426	0.421	0.378	0.392	0.384	0.420	9.50
3)	Pyridine	1.110	1.072	1.138	1.170	1.123	1.127	1.110	1.121	2.66
4)	n-Nitrosodimet...	0.386	0.362	0.409	0.417	0.391	0.398	0.394	0.394	4.54
5) S	2-Fluorophenol	1.168	1.087	1.075	1.128	1.068	1.082	1.047	1.094	3.73
6)	Aniline	1.735	1.728	1.759	1.808	1.712	1.741	1.677	1.737	2.34
7) S	Phenol-d6	1.394	1.337	1.381	1.441	1.372	1.384	1.332	1.377	2.67
8)	2-Chlorophenol	1.351	1.195	1.209	1.280	1.174	1.203	1.154	1.224	5.61
9)	Benzaldehyde	0.845	0.865	0.859	0.848	0.754	0.743	0.672	0.798	9.41
10) C	Phenol	1.428	1.316	1.349	1.423	1.314	1.349	1.317	1.357	3.66
11)	bis(2-Chloroet...	1.164	1.090	1.081	1.125	1.032	1.089	1.028	1.087	4.44
12)	1,3-Dichlorobe...	1.684	1.575	1.629	1.659	1.554	1.577	1.532	1.602	3.54
13) C	1,4-Dichlorobe...	1.605	1.655	1.652	1.664	1.577	1.588	1.547	1.613	2.79
14)	1,2-Dichlorobe...	1.733	1.559	1.561	1.586	1.496	1.525	1.458	1.560	5.63
15)	Benzyl Alcohol	0.900	0.995	1.013	1.066	0.997	1.034	0.998	1.001	5.11
16)	2,2'-oxybis(1-...	1.137	1.107	1.107	1.134	1.101	1.092	1.054	1.105	2.51
17)	2-Methylphenol	1.090	1.003	1.028	1.096	1.014	1.029	0.999	1.037	3.84
18)	Hexachloroethane	0.524	0.481	0.477	0.513	0.487	0.499	0.487	0.496	3.51
19) P	n-Nitroso-di-n...	0.864	0.831	0.850	0.890	0.833	0.877	0.837	0.855	2.72
20)	3+4-Methylphenols	1.502	1.376	1.410	1.490	1.410	1.452	1.415	1.436	3.23
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.455	0.456	0.445	0.463	0.466	0.454	0.441	0.454	1.95
23) S	Nitrobenzene-d5	0.301	0.278	0.289	0.308	0.306	0.296	0.292	0.296	3.54
24)	Nitrobenzene	0.307	0.269	0.291	0.304	0.305	0.295	0.293	0.295	4.40
25)	Isophorone	0.564	0.533	0.545	0.565	0.562	0.548	0.536	0.550	2.42
26) C	2-Nitrophenol	0.158	0.155	0.172	0.187	0.186	0.181	0.184	0.175	7.60
27)	2,4-Dimethylph...	0.285	0.276	0.273	0.281	0.283	0.274	0.268	0.277	2.21
28)	bis(2-Chloroet...	0.332	0.331	0.327	0.341	0.338	0.327	0.326	0.332	1.77
29) C	2,4-Dichloroph...	0.350	0.317	0.336	0.354	0.349	0.346	0.336	0.341	3.71
30)	1,2,4-Trichlor...	0.449	0.437	0.435	0.453	0.447	0.433	0.431	0.441	2.01
31)	Naphthalene	1.042	0.985	0.977	1.019	1.002	0.961	0.948	0.991	3.31
32)	Benzoic acid		0.133	0.178	0.222	0.229	0.228	0.232	0.204	19.62
33)	4-Chloroaniline	0.431	0.419	0.420	0.437	0.435	0.420	0.411	0.425	2.32
34) C	Hexachlorobuta...	0.345	0.306	0.311	0.322	0.318	0.308	0.306	0.316	4.43
35)	Caprolactam	0.110	0.096	0.100	0.110	0.105	0.102	0.101	0.104	5.05
36) C	4-Chloro-3-met...	0.330	0.294	0.306	0.318	0.322	0.309	0.307	0.312	3.80
37)	2-Methylnaphth...	0.820	0.783	0.793	0.797	0.789	0.767	0.756	0.787	2.64

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.960	0.862	0.849	0.884	0.874	0.848	0.826	0.872	4.97
40) P	Hexachlorocycl...		0.413	0.456	0.507	0.528	0.525	0.517	0.491	9.47
41) S	2,4,6-Tribromo...	0.324	0.320	0.327	0.347	0.345	0.332	0.322	0.331	3.27
42) C	2,4,6-Trichlor...	0.483	0.469	0.480	0.503	0.514	0.493	0.488	0.490	3.05
43)	2,4,5-Trichlor...	0.557	0.566	0.548	0.574	0.590	0.575	0.559	0.567	2.45
44) S	2-Fluorobiphenyl	1.841	1.675	1.581	1.617	1.591	1.539	1.447	1.613	7.61
45)	1,1'-Biphenyl	1.870	1.765	1.647	1.716	1.726	1.668	1.609	1.715	5.04
46)	2-Chloronaphth...	1.428	1.336	1.290	1.347	1.358	1.316	1.261	1.334	4.03
47)	2-Nitroaniline	0.234	0.233	0.243	0.271	0.278	0.268	0.261	0.255	7.21
48)	Acenaphthylene	2.152	2.073	1.958	2.072	2.076	1.987	1.899	2.031	4.26
49)	Dimethylphthalate	1.862	1.752	1.728	1.783	1.781	1.708	1.638	1.750	4.00
50)	2,6-Dinitrotol...	0.297	0.364	0.355	0.381	0.388	0.386	0.372	0.363	8.71
51) C	Acenaphthene	1.381	1.324	1.309	1.379	1.380	1.338	1.291	1.343	2.79
52)	3-Nitroaniline	0.284	0.331	0.321	0.344	0.353	0.338	0.326	0.328	6.75
53) P	2,4-Dinitrophenol		0.094	0.124	0.162	0.173	0.181	0.181	0.153	23.29
54)	Dibenzofuran	2.214	2.044	1.963	2.024	2.006	1.931	1.844	2.004	5.71
55) P	4-Nitrophenol		0.194	0.235	0.256	0.255	0.250	0.244	0.239	9.71
56)	2,4-Dinitrotol...	0.379	0.453	0.494	0.530	0.537	0.521	0.508	0.489	11.44
57)	Fluorene	1.818	1.677	1.611	1.660	1.654	1.581	1.501	1.643	5.95
58)	2,3,4,6-Tetrac...	0.499	0.505	0.514	0.552	0.544	0.539	0.520	0.525	3.90
59)	Diethylphthalate	1.838	1.707	1.680	1.725	1.712	1.643	1.572	1.697	4.80
60)	4-Chlorophenyl...	1.119	1.015	0.965	1.016	1.013	0.978	0.950	1.008	5.52
61)	4-Nitroaniline	0.252	0.296	0.317	0.344	0.342	0.335	0.318	0.315	10.37
62)	Azobenzene	1.115	1.075	1.033	1.096	1.079	1.037	1.000	1.062	3.78
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.087	0.109	0.124	0.128	0.131	0.135	0.119	15.01
65) c	n-Nitrosodiphe...	0.630	0.606	0.596	0.631	0.601	0.602	0.582	0.607	2.92
66)	4-Bromophenyl-...	0.295	0.284	0.276	0.290	0.285	0.283	0.278	0.285	2.36
67)	Hexachlorobenzene	0.348	0.315	0.308	0.317	0.310	0.309	0.297	0.315	5.06
68)	Atrazine	0.263	0.257	0.256	0.264	0.256	0.253	0.237	0.255	3.51
69) C	Pentachlorophenol		0.176	0.187	0.211	0.211	0.213	0.209	0.201	7.74
70)	Phenanthrene	1.243	1.162	1.099	1.120	1.087	1.071	1.013	1.114	6.56
71)	Anthracene	1.234	1.140	1.108	1.133	1.078	1.064	1.018	1.111	6.20
72)	Carbazole	1.012	0.997	0.967	0.991	0.961	0.933	0.884	0.963	4.54
73)	Di-n-butylphth...	1.218	1.205	1.153	1.168	1.116	1.081	1.028	1.138	5.98
74) C	Fluoranthene	1.618	1.471	1.408	1.409	1.342	1.294	1.216	1.394	9.29
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.463	0.500	0.502	0.512	0.522	0.521	0.480	0.500	4.37
77)	Pyrene	1.471	1.296	1.270	1.259	1.215	1.180	1.110	1.257	8.99
78) S	Terphenyl-d14	1.111	0.975	0.928	0.893	0.857	0.826	0.751	0.906	12.78
79)	Butylbenzylphth...	0.488	0.437	0.444	0.454	0.454	0.443	0.434	0.450	4.01
80)	Benzo(a)anthra...	1.398	1.238	1.215	1.249	1.237	1.201	1.169	1.244	5.87
81)	3,3'-Dichlorob...	0.447	0.454	0.459	0.483	0.481	0.472	0.455	0.465	3.11
82)	Chrysene	1.287	1.198	1.187	1.211	1.199	1.160	1.120	1.195	4.29

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83)	Bis(2-ethylhex...	0.735	0.655	0.646	0.665	0.661	0.636	0.625	0.661	5.37
84) c	Di-n-octyl pht...	1.123	1.018	1.031	1.065	1.059	1.042	1.006	1.049	3.69
85)	Indeno(1,2,3-c...	1.488	1.384	1.423	1.490	1.502	1.485	1.461	1.462	2.97
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.335	1.168	1.197	1.248	1.213	1.170	1.130	1.209	5.56
88)	Benzo(k)fluora...	1.239	1.168	1.161	1.201	1.191	1.177	1.132	1.181	2.87
89) C	Benzo(a)pyrene	1.223	1.137	1.108	1.164	1.150	1.131	1.093	1.144	3.71
90)	Dibenzo(a,h)an...	1.165	1.092	1.074	1.118	1.112	1.092	1.061	1.102	3.08
91)	Benzo(g,h,i)pe...	1.190	1.107	1.089	1.138	1.142	1.122	1.096	1.126	3.05

(#) = Out of Range