

Method Path : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\
 Method File : 8270-BG082318.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Aug 23 12:07:02 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BG036353.D 10 =BG036354.D 25 =BG036355.D 40 =BG036356.D 50 =BG036357.D 60 =BG036358.D 80 =BG036359.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.635	0.715	0.549	0.563	0.558	0.557	0.542	0.588	10.86
3)	Pyridine	1.555	1.788	1.628	1.679	1.678	1.713	1.519	1.652	5.59
4)	n-Nitrosodimet...	0.710	0.773	0.717	0.737	0.738	0.744	0.731	0.736	2.78
5) S	2-Fluorophenol	1.192	1.401	1.226	1.262	1.258	1.267	1.220	1.261	5.35
6)	Aniline	2.140	2.510	2.225	2.281	2.296	2.328	2.259	2.291	4.96
7) S	Phenol-d6	1.677	1.968	1.769	1.804	1.815	1.820	1.782	1.805	4.80
8)	2-Chlorophenol	1.293	1.522	1.315	1.367	1.359	1.365	1.349	1.367	5.40
9)	Benzaldehyde	1.355	1.493	1.243	1.162	1.119	1.087	1.243	12.53	
10) C	Phenol	1.800	2.055	1.816	1.888	1.899	1.906	1.860	1.889	4.43
11)	bis(2-Chloroet...	1.488	1.644	1.444	1.476	1.472	1.499	1.461	1.498	4.47
12)	1,3-Dichlorobe...	1.579	1.750	1.496	1.528	1.543	1.532	1.501	1.561	5.61
13) C	1,4-Dichlorobe...	1.565	1.736	1.527	1.551	1.561	1.568	1.525	1.576	4.62
14)	1,2-Dichlorobe...	1.516	1.717	1.411	1.472	1.472	1.494	1.456	1.505	6.57
15)	Benzyl Alcohol	1.203	1.552	1.406	1.472	1.501	1.536	1.516	1.455	8.32
16)	2,2'-oxybis(1-...	3.005	3.412	2.927	2.962	2.973	2.960	2.903	3.020	5.81
17)	2-Methylphenol	1.173	1.357	1.192	1.238	1.263	1.294	1.263	1.254	4.94
18)	Hexachloroethane	0.565	0.602	0.535	0.567	0.565	0.564	0.557	0.565	3.45
19) P	n-Nitroso-di-n...	1.237	1.495	1.285	1.329	1.372	1.373	1.354	1.349	6.01
20)	3+4-Methylphenols	1.598	1.854	1.668	1.740	1.786	1.819	1.794	1.751	5.14
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.548	0.575	0.520	0.525	0.509	0.506	0.494	0.525	5.26
23) S	Nitrobenzene-d5	0.325	0.389	0.363	0.377	0.378	0.376	0.372	0.369	5.58
24)	Nitrobenzene	0.328	0.435	0.395	0.409	0.406	0.406	0.403	0.397	8.28
25)	Isophorone	0.703	0.786	0.725	0.734	0.733	0.729	0.716	0.732	3.54
26) C	2-Nitrophenol	0.140	0.143	0.158	0.163	0.171	0.170	0.158	8.48	
27)	2,4-Dimethylph...	0.313	0.313	0.278	0.290	0.284	0.285	0.278	0.292	5.22
28)	bis(2-Chloroet...	0.461	0.497	0.432	0.450	0.440	0.438	0.429	0.449	5.23
29) C	2,4-Dichloroph...	0.278	0.336	0.316	0.326	0.330	0.327	0.324	0.320	6.11
30)	1,2,4-Trichlor...	0.394	0.400	0.365	0.367	0.362	0.367	0.361	0.374	4.33
31)	Naphthalene	1.025	1.101	0.993	0.999	0.975	0.964	0.941	1.000	5.23
32)	Benzoic acid	0.157	0.172	0.206	0.223	0.233	0.219	0.202	15.16	
33)	4-Chloroaniline	0.438	0.505	0.451	0.462	0.456	0.454	0.441	0.458	4.84
34) C	Hexachlorobuta...	0.242	0.273	0.249	0.254	0.247	0.247	0.245	0.251	4.16
35)	Caprolactam	0.108	0.134	0.130	0.132	0.131	0.130	0.127	0.127	6.99
36) C	4-Chloro-3-met...	0.323	0.399	0.363	0.380	0.384	0.379	0.372	0.371	6.52
37)	2-Methylnaphth...	0.689	0.810	0.737	0.737	0.727	0.715	0.706	0.732	5.31

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38) I	Acenaphthene-d10	-----ISTD-----									
39)	1,2,4,5-Tetrac...	0.703	0.779	0.698	0.707	0.692	0.685	0.690	0.708	4.54	
40) P	Hexachlorocycl...	0.322	0.386	0.354	0.373	0.377	0.375	0.390	0.368	6.32	
41) S	2,4,6-Tribromo...	0.196	0.249	0.239	0.252	0.241	0.247	0.246	0.239	8.11	
42) C	2,4,6-Trichlor...	0.365	0.458	0.430	0.438	0.443	0.443	0.441	0.431	7.05	
43)	2,4,5-Trichlor...	0.394	0.501	0.467	0.474	0.465	0.459	0.458	0.460	7.04	
44) S	2-Fluorobiphenyl	1.503	1.620	1.412	1.376	1.332	1.301	1.260	1.401	8.92	
45)	1,1'-Biphenyl	1.721	1.905	1.658	1.621	1.590	1.578	1.548	1.660	7.34	
46)	2-Chloronaphth...	1.278	1.425	1.265	1.258	1.221	1.221	1.203	1.267	5.90	
47)	2-Nitroaniline	0.292	0.385	0.401	0.420	0.423	0.430	0.435	0.398	12.55	
48)	Acenaphthylene	2.066	2.196	1.988	1.969	1.909	1.890	1.846	1.981	6.02	
49)	Dimethylphthalate	1.639	1.843	1.651	1.633	1.564	1.581	1.522	1.633	6.35	
50)	2,6-Dinitrotol...		0.331	0.331	0.342	0.339	0.338	0.336	0.336	1.27	
51) C	Acenaphthene	1.278	1.397	1.244	1.264	1.240	1.226	1.229	1.269	4.70	
52)	3-Nitroaniline	0.275	0.376	0.373	0.390	0.368	0.380	0.372	0.362	10.79	
53) P	2,4-Dinitrophenol		0.105	0.111	0.129	0.133	0.139	0.146	0.127	12.44	
54)	Dibenzofuran	2.098	2.269	2.001	1.963	1.899	1.877	1.805	1.987	7.84	
55) P	4-Nitrophenol		0.295	0.291	0.312	0.288	0.295	0.294	0.296	2.85	
56)	2,4-Dinitrotol...		0.398	0.424	0.449	0.446	0.456	0.454	0.438	5.21	
57)	Fluorene	1.522	1.726	1.508	1.490	1.404	1.401	1.348	1.486	8.36	
58)	2,3,4,6-Tetrac...	0.380	0.454	0.443	0.445	0.437	0.439	0.428	0.432	5.64	
59)	Diethylphthalate	1.639	1.867	1.688	1.658	1.571	1.572	1.525	1.646	6.87	
60)	4-Chlorophenyl...	0.940	1.036	0.918	0.903	0.885	0.878	0.861	0.917	6.36	
61)	4-Nitroaniline	0.305	0.409	0.403	0.406	0.377	0.378	0.376	0.379	9.46	
62)	Azobenzene	1.690	1.933	1.706	1.670	1.595	1.591	1.537	1.675	7.71	
63) I	Phenanthrene-d10	-----ISTD-----									
64)	4,6-Dinitro-2-...		0.073	0.078	0.088	0.093	0.095	0.101	0.088	12.40	
65) c	n-Nitrosodiphe...	0.599	0.664	0.584	0.577	0.592	0.578	0.565	0.594	5.49	
66)	4-Bromophenyl-...	0.235	0.247	0.225	0.232	0.236	0.233	0.232	0.234	2.91	
67)	Hexachlorobenzene	0.232	0.256	0.239	0.237	0.240	0.237	0.235	0.239	3.18	
68)	Atrazine	0.235	0.260	0.237	0.216	0.204	0.186		0.223	11.88	
69) C	Pentachlorophenol	0.116	0.162	0.168	0.174	0.176	0.174	0.170	0.163	12.97	
70)	Phenanthrene	1.042	1.153	1.032	1.003	0.988	0.968	0.928	1.016	7.06	
71)	Anthracene	1.047	1.146	1.025	1.006	0.988	0.964	0.916	1.013	7.15	
72)	Carbazole	1.046	1.151	1.044	1.015	0.974	0.946	0.906	1.012	7.90	
73)	Di-n-butylphth...	1.113	1.282	1.186	1.148	1.099	1.057	1.001	1.127	8.10	
74) C	Fluoranthene	1.259	1.429	1.297	1.249	1.197	1.153	1.089	1.239	8.81	
75) I	Chrysene-d12	-----ISTD-----									
76)	Benzidine	0.680	0.804	0.612	0.595	0.602	0.536		0.638	14.60	
77)	Pyrene	1.201	1.404	1.240	1.235	1.224	1.197	1.108	1.230	7.21	
78) S	Terphenyl-d14	0.899	1.006	0.890	0.843	0.826	0.800	0.726	0.856	10.33	
79)	Butylbenzylphth...	0.397	0.516	0.494	0.505	0.517	0.507	0.492	0.489	8.60	
80)	Benzo(a)anthra...	1.255	1.354	1.217	1.187	1.195	1.172	1.102	1.212	6.47	
81)	3,3'-Dichlorob...	0.437	0.522	0.495	0.493	0.492	0.482	0.458	0.483	5.76	
82)	Chrysene	1.173	1.278	1.153	1.140	1.139	1.108	1.048	1.148	6.07	

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83)	Bis(2-ethylhex...	0.601	0.755	0.700	0.697	0.702	0.687	0.652	0.685	6.95
84) c	Di-n-octyl pht...	0.909	1.223	1.181	1.182	1.207	1.181	1.124	1.144	9.44
85)	Indeno(1,2,3-c...	1.186	1.424	1.327	1.335	1.370	1.362	1.334	1.334	5.49
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.042	1.205	1.099	1.126	1.107	1.119	1.077	1.111	4.55
88)	Benzo(k)fluora...	1.062	1.199	1.080	1.088	1.086	1.060	1.020	1.085	5.12
89) C	Benzo(a)pyrene	0.993	1.166	1.061	1.076	1.065	1.070	1.038	1.067	4.87
90)	Dibenzo(a,h)an...	0.976	1.131	1.021	1.035	1.031	1.021	0.997	1.030	4.76
91)	Benzo(g,h,i)pe...	0.955	1.117	1.020	1.041	1.047	1.042	1.025	1.035	4.61

(#) = Out of Range