

Method Path : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\
 Method File : 8270-BG071218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jul 12 14:43:32 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BG035587.D 10 =BG035588.D 25 =BG035589.D 40 =BG035590.D 50 =BG035591.D 60 =BG035592.D 80 =BG035593.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.756	0.650	0.600	0.569	0.580	0.583	0.555	0.613	11.39
3)	Pyridine	1.301	1.568	1.619	1.655	1.715	1.686	1.660	1.601	8.76
4)	n-Nitrosodimet...	0.745	0.640	0.691	0.681	0.697	0.688	0.670	0.687	4.61
5) S	2-Fluorophenol	1.211	1.158	1.216	1.214	1.235	1.223	1.174	1.205	2.32
6)	Aniline	2.310	2.288	2.356	2.334	2.387	2.346	2.287	2.330	1.59
7) S	Phenol-d6	1.690	1.813	1.826	1.814	1.842	1.809	1.787	1.797	2.79
8)	2-Chlorophenol	1.206	1.186	1.218	1.230	1.261	1.247	1.227	1.225	2.03
9)	Benzaldehyde	1.306	1.261	1.125	1.046	0.991	0.888	1.103		14.56
10) C	Phenol	1.646	1.766	1.862	1.844	1.898	1.889	1.806	1.816	4.84
11)	bis(2-Chloroet...	1.435	1.345	1.423	1.422	1.478	1.452	1.400	1.422	2.95
12)	1,3-Dichlorobe...	1.625	1.393	1.444	1.460	1.506	1.484	1.445	1.480	4.95
13) C	1,4-Dichlorobe...	1.573	1.477	1.479	1.494	1.530	1.509	1.462	1.503	2.54
14)	1,2-Dichlorobe...	1.544	1.421	1.465	1.426	1.419	1.438	1.396	1.444	3.38
15)	Benzyl Alcohol	1.384	1.558	1.680	1.641	1.721	1.748	1.692	1.632	7.68
16)	2,2'-oxybis(1-...	1.220	1.175	1.222	1.187	1.193	1.200	1.147	1.192	2.19
17)	2-Methylphenol	1.208	1.173	1.242	1.263	1.248	1.280	1.229	1.235	2.90
18)	Hexachloroethane	0.646	0.547	0.565	0.561	0.559	0.579	0.567	0.575	5.68
19) P	n-Nitroso-di-n...	1.536	1.469	1.599	1.487	1.515	1.536	1.453	1.513	3.27
20)	3+4-Methylphenols	1.440	1.589	1.801	1.796	1.797	1.824	1.742	1.713	8.42
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.631	0.630	0.640	0.599	0.629	0.624	0.600	0.622	2.54
23) S	Nitrobenzene-d5	0.466	0.494	0.485	0.472	0.482	0.477	0.475	0.479	1.94
24)	Nitrobenzene	0.492	0.485	0.497	0.466	0.486	0.477	0.468	0.481	2.44
25)	Isophorone	0.837	0.917	0.907	0.868	0.904	0.913	0.875	0.889	3.33
26) C	2-Nitrophenol	0.142	0.160	0.170	0.172	0.186	0.184	0.183	0.171	9.40
27)	2,4-Dimethylph...	0.264	0.292	0.301	0.288	0.291	0.302	0.290	0.289	4.37
28)	bis(2-Chloroet...	0.470	0.511	0.501	0.480	0.496	0.495	0.475	0.490	3.08
29) C	2,4-Dichloroph...	0.287	0.317	0.339	0.336	0.343	0.348	0.342	0.330	6.54
30)	1,2,4-Trichlor...	0.421	0.399	0.410	0.392	0.409	0.408	0.396	0.405	2.41
31)	Naphthalene	1.143	1.059	1.047	0.988	1.039	1.021	0.996	1.042	4.97
32)	Benzoic acid	0.148	0.181	0.193	0.214	0.214	0.219	0.195		13.91
33)	4-Chloroaniline	0.449	0.456	0.463	0.437	0.463	0.465	0.446	0.454	2.32
34) C	Hexachlorobuta...	0.321	0.317	0.317	0.305	0.312	0.327	0.312	0.316	2.22
35)	Caprolactam	0.135	0.151	0.134	0.155	0.134	0.142	0.142		6.59
36) C	4-Chloro-3-met...	0.379	0.458	0.467	0.442	0.459	0.455	0.440	0.443	6.74
37)	2-Methylnaphth...	0.756	0.795	0.794	0.757	0.780	0.784	0.766	0.776	2.13

Method Path : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\
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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.806	0.750	0.765	0.704	0.755	0.759	0.745	0.755	4.00
40) P	Hexachlorocycl...		0.328	0.379	0.384	0.415	0.439	0.429	0.396	10.32
41) S	2,4,6-Tribromo...	0.242	0.245	0.270	0.252	0.285	0.277	0.273	0.264	6.35
42) C	2,4,6-Trichlor...	0.387	0.417	0.454	0.442	0.464	0.464	0.462	0.441	6.63
43)	2,4,5-Trichlor...	0.474	0.493	0.510	0.459	0.507	0.511	0.502	0.494	4.05
44) S	2-Fluorobiphenyl	1.628	1.570	1.540	1.395	1.476	1.446	1.395	1.493	5.99
45)	1,1'-Biphenyl	1.569	1.629	1.599	1.470	1.541	1.542	1.504	1.551	3.48
46)	2-Chloronaphth...	1.319	1.225	1.234	1.125	1.192	1.184	1.164	1.206	5.12
47)	2-Nitroaniline	0.357	0.417	0.440	0.412	0.466	0.443	0.450	0.426	8.37
48)	Acenaphthylene	2.088	2.113	2.082	1.909	2.040	1.986	1.925	2.020	4.04
49)	Dimethylphthalate	1.886	1.804	1.800	1.622	1.791	1.704	1.658	1.752	5.34
50)	2,6-Dinitrotol...	0.293	0.384	0.369	0.346	0.379	0.367	0.360	0.357	8.59
51) C	Acenaphthene	1.333	1.307	1.279	1.171	1.273	1.230	1.217	1.259	4.44
52)	3-Nitroaniline	0.336	0.343	0.384	0.358	0.394	0.369	0.370	0.365	5.70
53) P	2,4-Dinitrophenol		0.113	0.142	0.151	0.176	0.176	0.187	0.158	17.52
54)	Dibenzofuran	2.104	2.150	2.063	1.885	2.002	1.925	1.882	2.002	5.40
55) P	4-Nitrophenol		0.191	0.266	0.253	0.296	0.273	0.280	0.260	14.12
56)	2,4-Dinitrotol...	0.403	0.512	0.530	0.512	0.570	0.531	0.526	0.512	10.16
57)	Fluorene	1.749	1.794	1.724	1.555	1.708	1.629	1.584	1.678	5.33
58)	2,3,4,6-Tetrac...	0.404	0.484	0.492	0.456	0.509	0.483	0.488	0.473	7.30
59)	Diethylphthalate	1.958	1.867	1.829	1.692	1.858	1.723	1.685	1.802	5.76
60)	4-Chlorophenyl...	1.080	1.004	1.002	0.915	0.989	0.976	0.937	0.986	5.39
61)	4-Nitroaniline	0.332	0.366	0.390	0.376	0.430	0.388	0.387	0.382	7.71
62)	Azobenzene	1.888	1.863	1.837	1.666	1.811	1.718	1.658	1.777	5.35
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.096	0.103	0.107	0.120	0.121	0.122	0.111	10.01
65) c	n-Nitrosodiphe...	0.563	0.592	0.585	0.550	0.563	0.572	0.560	0.569	2.59
66)	4-Bromophenyl-...	0.209	0.234	0.238	0.227	0.238	0.242	0.236	0.232	4.73
67)	Hexachlorobenzene	0.244	0.233	0.241	0.229	0.237	0.247	0.242	0.239	2.67
68)	Atrazine	0.251	0.241	0.247	0.234	0.238	0.225	0.205	0.234	6.59
69) C	Pentachlorophenol		0.116	0.138	0.146	0.156	0.159	0.159	0.146	11.45
70)	Phenanthrene	1.053	1.034	1.027	0.950	0.993	0.977	0.953	0.998	4.07
71)	Anthracene	0.996	1.041	1.030	0.953	1.002	0.979	0.953	0.994	3.46
72)	Carbazole	0.966	0.971	0.975	0.909	0.955	0.921	0.909	0.944	3.13
73)	Di-n-butylphth...	1.195	1.122	1.139	1.082	1.143	1.075	1.050	1.115	4.45
74) C	Fluoranthene	1.475	1.428	1.367	1.292	1.339	1.269	1.240	1.344	6.35
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.637	0.622	0.542	0.482	0.460	0.467	0.471	0.526	14.42
77)	Pvrene	1.270	1.328	1.343	1.194	1.274	1.233	1.210	1.265	4.49
78) S	Terphenyl-d14	0.982	0.965	0.985	0.863	0.894	0.850	0.813	0.907	7.70
79)	Butylbenzylphth...	0.424	0.433	0.462	0.445	0.468	0.464	0.470	0.452	4.09
80)	Benzo(a)anthra...	1.285	1.295	1.307	1.180	1.242	1.212	1.203	1.246	4.00
81)	3,3'-Dichlorob...	0.404	0.448	0.453	0.425	0.441	0.434	0.436	0.435	3.74
82)	Chrysene	1.227	1.174	1.204	1.093	1.157	1.122	1.108	1.155	4.35

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83)	Bis(2-ethylhex...	0.557	0.601	0.640	0.606	0.635	0.632	0.632	0.615	4.82
84) c	Di-n-octyl pht...	0.930	0.979	1.074	1.020	1.078	1.056	1.067	1.029	5.46
85)	Indeno(1,2,3-c...	1.200	1.267	1.302	1.236	1.309	1.308	1.328	1.279	3.63
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.213	1.241	1.253	1.156	1.238	1.212	1.195	1.216	2.72
88)	Benzo(k)fluora...	1.209	1.242	1.195	1.164	1.165	1.178	1.166	1.188	2.45
89) C	Benzo(a)pyrene	1.085	1.143	1.159	1.111	1.143	1.143	1.132	1.131	2.23
90)	Dibenzo(a,h)an...	1.061	1.131	1.125	1.089	1.132	1.124	1.111	1.110	2.38
91)	Benzo(g,h,i)pe...	1.019	1.087	1.090	1.069	1.119	1.108	1.112	1.086	3.17

(#) = Out of Range