

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG022316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Feb 24 00:35:06 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BG021030.D 10 =BG021031.D 25 =BG021032.D 40 =BG021033.D 50 =BG021034.D 60 =BG021035.D 80 =BG021036.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.256	0.292	0.298	0.314	0.294	0.314	0.295	7.19	
3)	Pyridine	1.034	1.038	1.011	1.029	1.048	1.099	1.043	2.88	
4)	n-Nitrosodimet...	0.326	0.404	0.439	0.452	0.454	0.499	0.429	13.73	
5) S	2-Fluorophenol	1.046	1.103	1.142	1.164	1.161	1.146	1.223	1.141	4.82
6)	Aniline	1.856	1.969	2.112	2.126	2.112	2.078	2.247	2.072	6.04
7) S	Phenol-d6	1.503	1.714	1.790	1.829	1.775	1.789	1.898	1.757	7.12
8)	2-Chlorophenol	1.206	1.366	1.437	1.417	1.379	1.341	1.436	1.369	5.86
9)	Benzaldehyde	0.768	0.949	1.016	0.914	0.825	0.756	0.720	0.850	13.12
10) C	Phenol	1.543	1.809	1.879	1.923	1.850	1.823	2.004	1.833	7.87
11)	bis(2-Chloroet...	1.482	1.527	1.513	1.455	1.423	1.412	1.486	1.471	2.95
12)	1,3-Dichlorobe...	1.393	1.603	1.596	1.565	1.541	1.562	1.590	1.550	4.67
13) C	1,4-Dichlorobe...	1.460	1.696	1.688	1.615	1.587	1.592	1.688	1.618	5.20
14)	1,2-Dichlorobe...	1.398	1.534	1.549	1.509	1.492	1.479	1.558	1.503	3.62
15)	Benzyl Alcohol	0.923	1.137	1.259	1.249	1.250	1.244	1.312	1.196	10.98
16)	2,2'-oxybis(1-...	2.477	2.531	2.520	2.501	2.396	2.383	2.532	2.477	2.54
17)	2-Methylphenol	1.007	1.293	1.318	1.270	1.267	1.261	1.315	1.247	8.69
18)	Hexachloroethane	0.558	0.590	0.588	0.568	0.579	0.603	0.581	2.78	
19) P	n-Nitroso-di-n...	1.008	1.243	1.297	1.282	1.243	1.252	1.326	1.236	8.50
20)	3+4-Methylphenols	1.462	1.797	1.746	1.790	1.736	1.729	1.840	1.729	7.17
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.473	0.481	0.458	0.463	0.456	0.463	0.445	0.463	2.48
23) S	Nitrobenzene-d5	0.310	0.333	0.341	0.356	0.351	0.351	0.342	0.341	4.58
24)	Nitrobenzene	0.344	0.364	0.371	0.381	0.374	0.380	0.372	0.370	3.38
25)	Isophorone	0.651	0.701	0.699	0.731	0.701	0.726	0.708	0.702	3.71
26) C	2-Nitrophenol	0.129	0.161	0.162	0.177	0.170	0.177	0.171	0.164	10.10
27)	2,4-Dimethylph...	0.273	0.302	0.301	0.297	0.296	0.306	0.296	0.296	3.61
28)	bis(2-Chloroet...	0.373	0.406	0.386	0.382	0.372	0.373	0.365	0.380	3.51
29) C	2,4-Dichloroph...	0.245	0.276	0.272	0.279	0.271	0.277	0.274	0.271	4.30
30)	1,2,4-Trichlor...	0.300	0.295	0.281	0.295	0.290	0.289	0.282	0.290	2.34
31)	Naphthalene	1.009	1.046	1.056	1.072	1.046	1.067	1.025	1.046	2.14
32)	Benzoic acid	0.164	0.209	0.232	0.239	0.252	0.246	0.224	14.70	
33)	4-Chloroaniline	0.328	0.425	0.426	0.440	0.437	0.450	0.424	0.419	9.86
34) C	Hexachlorobuta...	0.137	0.168	0.163	0.168	0.164	0.169	0.158	0.161	6.97
35)	Caprolactam	0.088	0.110	0.113	0.106	0.111	0.108	0.106	8.53	
36) C	4-Chloro-3-met...	0.307	0.348	0.336	0.361	0.344	0.356	0.347	0.343	5.13
37)	2-Methylnaphth...	0.741	0.772	0.760	0.776	0.754	0.779	0.747	0.761	1.95

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.538	0.545	0.548	0.567	0.563	0.563	0.548	0.553	2.03
40) P	Hexachlorocycl...	0.260	0.291	0.310	0.336	0.328	0.335	0.332	0.313	9.18
41) S	2,4,6-Tribromo...	0.225	0.229	0.230	0.253	0.247	0.246	0.248	0.240	4.73
42) C	2,4,6-Trichlor...	0.372	0.389	0.385	0.409	0.404	0.407	0.385	0.393	3.55
43)	2,4,5-Trichlor...	0.355	0.400	0.397	0.422	0.418	0.421	0.410	0.403	5.83
44) S	2-Fluorobiphenyl	1.493	1.447	1.383	1.463	1.428	1.434	1.410	1.437	2.48
45)	1,1'-Biphenyl	1.787	1.736	1.704	1.775	1.740	1.717	1.685	1.735	2.12
46)	2-Chloronaphth...	1.248	1.230	1.187	1.229	1.221	1.202	1.179	1.214	2.05
47)	2-Nitroaniline	0.299	0.339	0.360	0.394	0.394	0.390	0.387	0.366	9.85
48)	Acenaphthylene	2.140	2.205	2.226	2.299	2.225	2.253	2.185	2.219	2.26
49)	Dimethylphthalate	1.563	1.627	1.605	1.687	1.660	1.671	1.603	1.631	2.69
50)	2,6-Dinitrotol...	0.245	0.329	0.350	0.360	0.359	0.354	0.340	0.334	12.20
51) C	Acenaphthene	1.257	1.288	1.257	1.313	1.274	1.272	1.272	1.276	1.52
52)	3-Nitroaniline	0.287	0.370	0.380	0.419	0.408	0.414	0.406	0.384	12.03
53) P	2,4-Dinitrophenol		0.107	0.165	0.197	0.200	0.205	0.207	0.180	21.69
54)	Dibenzofuran	1.701	1.811	1.790	1.874	1.842	1.840	1.826	1.812	3.07
55) P	4-Nitrophenol		0.294	0.325	0.337	0.343	0.348	0.338	0.331	5.96
56)	2,4-Dinitrotol...	0.418	0.450	0.479	0.508	0.503	0.505	0.494	0.480	7.02
57)	Fluorene	1.736	1.677	1.669	1.766	1.707	1.733	1.696	1.712	2.03
58)	2,3,4,6-Tetrac...	0.263	0.335	0.339	0.357	0.359	0.356	0.352	0.337	10.05
59)	Diethylphthalate	1.733	1.743	1.734	1.851	1.836	1.839	1.777	1.788	2.98
60)	4-Chlorophenyl...	0.801	0.787	0.758	0.791	0.792	0.806	0.791	0.789	1.93
61)	4-Nitroaniline		0.349	0.395	0.423	0.414	0.423	0.405	0.402	6.94
62)	Azobenzene	1.419	1.543	1.574	1.618	1.572	1.578	1.543	1.550	4.05
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.091	0.114	0.130	0.129	0.130	0.132	0.121	13.25
65) c	n-Nitrosodiphe...	0.574	0.596	0.600	0.623	0.613	0.605	0.602	0.602	2.52
66)	4-Bromophenyl-...	0.205	0.204	0.209	0.216	0.210	0.213	0.217	0.210	2.47
67)	Hexachlorobenzene	0.217	0.224	0.229	0.240	0.231	0.234	0.238	0.230	3.52
68)	Atrazine	0.172	0.190	0.201	0.195	0.194	0.194	0.175	0.189	5.82
69) C	Pentachlorophenol		0.107	0.131	0.141	0.138	0.141	0.140	0.133	10.06
70)	Phenanthrene	1.089	1.124	1.133	1.153	1.141	1.145	1.134	1.131	1.84
71)	Anthracene	1.107	1.114	1.122	1.154	1.132	1.137	1.124	1.127	1.37
72)	Carbazole	0.983	1.001	1.017	1.044	1.018	1.035	1.013	1.016	1.99
73)	Di-n-butylphth...	1.117	1.164	1.247	1.288	1.285	1.288	1.272	1.238	5.59
74) C	Fluoranthene	1.071	1.080	1.148	1.176	1.143	1.178	1.167	1.138	3.92
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.943	1.098	1.184	1.082	0.999	0.932	0.884	1.017	10.56
77)	Pyrene	2.394	2.415	2.409	2.327	2.251	2.161	2.038	2.285	6.28
78) S	Terphenyl-d14	1.531	1.556	1.598	1.603	1.536	1.505	1.460	1.541	3.27
79)	Butylbenzylphth...	0.742	0.769	0.838	0.855	0.837	0.817	0.784	0.806	5.17
80)	Benzo(a)anthra...	1.142	1.172	1.234	1.219	1.221	1.208	1.199	1.199	2.67
81)	3,3'-Dichlorob...	0.386	0.469	0.451	0.450	0.456	0.447	0.441	0.443	6.01
82)	Chrysene	1.077	1.100	1.120	1.117	1.146	1.138	1.135	1.119	2.14

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83)	Bis(2-ethylhex...	0.895	0.837	0.879	0.881	0.895	0.880	0.890	0.880	2.26
84) c	Di-n-octyl pht...	1.301	1.255	1.248	1.215	1.249	1.256	1.237	1.252	2.09
85)	Indeno(1,2,3-c...		1.036	1.019	0.988	1.009	0.993	0.994	1.006	1.84
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.319	1.283	1.337	1.350	1.304	1.328	1.308	1.319	1.69
88)	Benzo(k)fluora...	1.269	1.216	1.222	1.284	1.238	1.237	1.242	1.244	1.94
89) C	Benzo(a)pyrene	1.105	1.152	1.192	1.252	1.177	1.200	1.193	1.181	3.82
90)	Dibenzo(a,h)an...		1.067	1.069	1.099	1.051	1.051	1.047	1.064	1.83
91)	Benzo(g,h,i)pe...		1.029	1.071	1.089	1.056	1.061	1.066	1.062	1.86

(#) = Out of Range