

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG072121.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jul 21 16:57:05 2021
 Response Via : Initial Calibration

Calibration Files

5 =BG049394.D 10 =BG049395.D 20 =BG049396.D 40 =BG049397.D 50 =BG049398.D 60 =BG049399.D 80 =BG049400.D

Compound		5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.560	0.614	0.585	0.520	0.500	0.500	0.460	0.534	10.13
3)	Pyridine	1.021	1.464	1.441	1.472	1.422	1.389	1.318	1.361	11.66
4)	n-Nitrosodimet...	0.549	0.678	0.698	0.703	0.692	0.680	0.679	0.668	8.03
5) S	2-Fluorophenol	1.187	1.187	1.254	1.233	1.171	1.125	1.095	1.179	4.73
6)	Aniline	1.786	2.050	2.007	1.871	1.795	1.790	1.699	1.857	6.89
7) S	Phenol-d6	1.587	1.888	1.836	1.768	1.695	1.647	1.597	1.717	6.83
8)	2-Chlorophenol	1.172	1.329	1.289	1.259	1.160	1.155	1.097	1.209	6.96
9)	Benzaldehyde	1.247	1.304	1.288	1.180	1.075	0.997	0.893	1.140	13.74
10) C	Phenol	1.621	1.795	1.683	1.684	1.602	1.566	1.496	1.635	5.88
11)	bis(2-Chloroet...	1.101	1.224	1.217	1.119	1.077	1.068	1.035	1.120	6.56
12)	1,3-Dichlorobe...	1.550	1.591	1.470	1.442	1.341	1.319	1.292	1.429	8.15
13) C	1,4-Dichlorobe...	1.373	1.602	1.533	1.457	1.362	1.353	1.283	1.423	7.90
14)	1,2-Dichlorobe...	1.450	1.546	1.465	1.395	1.292	1.268	1.209	1.375	8.86
15)	Benzyl Alcohol	1.283	1.561	1.464	1.431	1.407	1.361	1.316	1.403	6.70
16)	2,2'-oxybis(1-...	1.369	1.464	1.399	1.303	1.248	1.206	1.171	1.309	8.21
17)	2-Methylphenol	1.010	1.182	1.172	1.116	1.074	1.045	1.023	1.089	6.40
18)	Hexachloroethane	0.578	0.616	0.594	0.550	0.522	0.508	0.504	0.553	7.95
19) P	n-Nitroso-di-n...	1.189	1.236	1.210	1.180	1.063	1.038	0.980	1.128	8.79
20)	3+4-Methylphenols	1.396	1.663	1.543	1.540	1.481	1.434	1.387	1.492	6.59
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.495	0.555	0.561	0.535	0.532	0.542	0.529	0.536	4.03
23) S	Nitrobenzene-d5	0.416	0.446	0.467	0.448	0.446	0.456	0.446	0.446	3.50
24)	Nitrobenzene	0.422	0.476	0.488	0.476	0.463	0.482	0.475	0.469	4.67
25)	Isophorone	0.727	0.802	0.822	0.791	0.799	0.816	0.780	0.791	4.00
26) C	2-Nitrophenol	0.142	0.158	0.174	0.177	0.177	0.185	0.178	0.170	8.75
27)	2,4-Dimethylph...	0.252	0.286	0.286	0.278	0.273	0.262	0.268	0.272	4.58
28)	bis(2-Chloroet...	0.340	0.352	0.365	0.355	0.352	0.360	0.346	0.353	2.38
29) C	2,4-Dichloroph...	0.264	0.327	0.329	0.321	0.319	0.326	0.321	0.315	7.25
30)	1,2,4-Trichlor...	0.355	0.361	0.363	0.353	0.357	0.357	0.347	0.356	1.46
31)	Naphthalene	1.046	1.042	1.093	1.063	1.044	1.060	1.036	1.055	1.86
32)	Benzoic acid		0.132	0.167	0.177	0.186	0.201	0.209	0.179	15.44
33)	4-Chloroaniline	0.324	0.402	0.432	0.413	0.417	0.418	0.412	0.403	8.86
34) C	Hexachlorobuta...	0.261	0.258	0.255	0.255	0.249	0.259	0.250	0.255	1.75
35)	Caprolactam		0.092	0.101	0.100	0.096	0.100	0.098	0.098	3.31
36) C	4-Chloro-3-met...	0.354	0.375	0.376	0.373	0.374	0.377	0.375	0.372	2.11
37)	2-Methylnaphth...	0.707	0.794	0.793	0.774	0.772	0.783	0.766	0.770	3.86
38)	1-Methylnaphth...	0.705	0.784	0.760	0.735	0.722	0.730	0.717	0.736	3.71

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.577	0.595	0.615	0.581	0.577	0.614	0.580	0.591	2.90
41) P	Hexachlorocycl...	0.188	0.257	0.271	0.293	0.270	0.305	0.264		15.62
42) S	2,4,6-Tribromo...	0.237	0.265	0.274	0.264	0.272	0.283	0.279	0.268	5.70
43) C	2,4,6-Trichlor...	0.344	0.377	0.408	0.376	0.391	0.401	0.405	0.386	5.83
44)	2,4,5-Trichlor...	0.389	0.416	0.436	0.416	0.419	0.424	0.421	0.417	3.38
45) S	2-Fluorobiphenyl	1.382	1.464	1.466	1.359	1.357	1.376	1.326	1.390	3.92
46)	1,1'-Biphenyl	1.519	1.483	1.555	1.408	1.421	1.466	1.412	1.466	3.86
47)	2-Chloronaphth...	1.066	1.203	1.172	1.100	1.109	1.143	1.091	1.126	4.30
48)	2-Nitroaniline	0.346	0.372	0.411	0.388	0.404	0.412	0.409	0.392	6.34
49)	Acenaphthylene	1.752	1.906	1.924	1.791	1.810	1.834	1.764	1.826	3.67
50)	Dimethylphthalate	1.444	1.491	1.510	1.408	1.441	1.474	1.403	1.453	2.78
51)	2,6-Dinitrotol...	0.313	0.311	0.330	0.301	0.318	0.325	0.310	0.315	3.09
52) C	Acenaphthene	1.108	1.129	1.135	1.076	1.084	1.114	1.068	1.102	2.39
53)	3-Nitroaniline	0.282	0.319	0.321	0.317	0.323	0.332	0.320	0.316	4.98
54) P	2,4-Dinitrophenol	0.054	0.107	0.138	0.154	0.169	0.175	0.133		34.49
55)	Dibenzofuran	1.817	1.872	1.839	1.700	1.705	1.767	1.679	1.768	4.30
56) P	4-Nitrophenol	0.224	0.267	0.233	0.255	0.265	0.253	0.250		6.93
57)	2,4-Dinitrotol...	0.376	0.443	0.435	0.435	0.452	0.468	0.443	0.436	6.56
58)	Fluorene	1.427	1.482	1.498	1.384	1.414	1.447	1.379	1.433	3.18
59)	2,3,4,6-Tetrac...	0.360	0.360	0.402	0.382	0.385	0.393	0.389	0.381	4.26
60)	Diethylphthalate	1.416	1.539	1.518	1.433	1.446	1.458	1.407	1.459	3.46
61)	4-Chlorophenyl...	0.704	0.753	0.756	0.721	0.715	0.751	0.703	0.729	3.25
62)	4-Nitroaniline	0.304	0.338	0.344	0.332	0.343	0.344	0.325	0.333	4.37
63)	Azobenzene	1.639	1.737	1.676	1.562	1.578	1.602	1.518	1.616	4.59
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.082	0.098	0.110	0.117	0.119	0.123	0.108		14.48
66) c	n-Nitrosodiphe...	0.569	0.612	0.586	0.556	0.564	0.578	0.557	0.574	3.42
67)	4-Bromophenyl-...	0.218	0.231	0.219	0.227	0.231	0.232	0.228	0.227	2.58
68)	Hexachlorobenzene	0.272	0.263	0.253	0.246	0.254	0.253	0.253	0.257	3.32
69)	Atrazine	0.226	0.248	0.234	0.220	0.228	0.222	0.216	0.228	4.74
70) C	Pentachlorophenol	0.076	0.098	0.119	0.128	0.131	0.140	0.115		20.90
71)	Phenanthrene	1.051	1.151	1.104	1.059	1.065	1.066	1.030	1.075	3.72
72)	Anthracene	1.069	1.094	1.102	1.041	1.041	1.042	1.007	1.057	3.17
73)	Carbazole	0.951	1.027	1.058	1.001	1.007	1.024	0.968	1.005	3.64
74)	Di-n-butylphth...	1.097	1.160	1.206	1.136	1.147	1.164	1.112	1.146	3.14
75) C	Fluoranthene	1.264	1.409	1.419	1.329	1.335	1.340	1.275	1.339	4.44
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.527	0.584	0.542	0.598	0.585	0.531	0.509	0.554	6.25
78)	Pyrene	1.335	1.339	1.351	1.285	1.320	1.289	1.270	1.313	2.37
79) S	Terphenyl-d14	0.997	1.062	1.062	1.023	1.029	1.009	0.988	1.024	2.86
80)	Butylbenzylpht...	0.389	0.452	0.490	0.492	0.508	0.503	0.507	0.477	9.10
81)	Benzo(a)anthra...	1.227	1.298	1.316	1.254	1.270	1.265	1.237	1.267	2.49
82)	3,3'-Dichlorob...	0.342	0.367	0.393	0.363	0.362	0.369	0.362	0.365	4.13
83)	Chrysene	1.248	1.264	1.269	1.198	1.202	1.200	1.172	1.222	3.10
84)	Bis(2-ethylhex...	0.654	0.699	0.734	0.715	0.731	0.733	0.744	0.716	4.32
85) c	Di-n-octyl pht...	1.092	1.222	1.285	1.234	1.266	1.285	1.270	1.236	5.52

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		-----ISTD-----									
86)	I	Perylene-d12									
87)		Indeno(1,2,3-c...	1.385	1.443	1.471	1.382	1.408	1.428	1.395	1.416	2.33
88)		Benzo(b)fluora...	1.291	1.267	1.322	1.276	1.279	1.318	1.269	1.289	1.77
89)		Benzo(k)fluora...	1.159	1.242	1.253	1.167	1.196	1.183	1.190	1.199	2.99
90)	C	Benzo(a)pyrene	1.135	1.198	1.189	1.147	1.173	1.176	1.159	1.168	1.94
91)		Dibenzo(a,h)an...	1.173	1.225	1.216	1.162	1.190	1.202	1.155	1.189	2.26
92)		Benzo(g,h,i)pe...	1.184	1.200	1.197	1.146	1.165	1.185	1.159	1.177	1.71

(#) = Out of Range