

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG012021.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jan 21 10:00:28 2021
 Response Via : Initial Calibration

Calibration Files

5 =BG047931.D 10 =BG047932.D 20 =BG047933.D 40 =BG047934.D 50 =BG047935.D 60 =BG047936.D 80 =BG047937.D

Compound		5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.622	0.690	0.626	0.559	0.578	0.601	0.498	0.596	10.09
3)	Pyridine	1.800	2.021	1.751	1.660	1.745	1.753	1.535	1.752	8.41
4)	n-Nitrosodimet...	0.852	1.037	0.884	0.802	0.893	0.916	0.781	0.881	9.59
5) S	2-Fluorophenol	0.837	1.153	1.134	1.065	1.210	1.234	1.065	1.100	12.08
6)	Aniline	2.060	2.434	2.217	2.033	2.178	2.242	1.963	2.161	7.32
7) S	Phenol-d6	1.315	1.783	1.723	1.639	1.808	1.877	1.619	1.681	11.03
8)	2-Chlorophenol	0.764	1.138	1.110	1.093	1.215	1.278	1.107	1.101	14.80
9)	Benzaldehyde	1.309	1.418	1.072	1.041	1.060	1.034	0.794	1.104	18.44
10) C	Phenol	1.279	1.765	1.662	1.539	1.709	1.737	1.538	1.604	10.56
11)	bis(2-Chloroet...	1.320	1.601	1.417	1.252	1.340	1.395	1.215	1.363	9.35
12)	1,3-Dichlorobe...	1.678	1.867	1.582	1.469	1.603	1.617	1.405	1.603	9.30
13) C	1,4-Dichlorobe...	1.573	1.852	1.590	1.469	1.587	1.607	1.405	1.583	8.84
14)	1,2-Dichlorobe...	1.564	1.791	1.532	1.380	1.501	1.538	1.303	1.516	10.17
15)	Benzyl Alcohol	0.876	1.223	1.299	1.318	1.494	1.571	1.381	1.309	17.17
16)	2,2'-oxybis(1-...	2.431	2.839	2.399	2.142	2.359	2.387	2.073	2.376	10.38
17)	2-Methylphenol	0.777	1.083	1.085	1.018	1.152	1.161	1.039	1.045	12.40
18)	Hexachloroethane	0.458	0.562	0.525	0.503	0.574	0.604	0.531	0.537	9.01
19) P	n-Nitroso-di-n...	1.093	1.393	1.263	1.144	1.270	1.313	1.156	1.233	8.60
20)	3+4-Methylphenols	0.997	1.453	1.395	1.354	1.577	1.599	1.433	1.401	14.26
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.561	0.676	0.597	0.534	0.610	0.613	0.545	0.591	8.27
23) S	Nitrobenzene-d5	0.286	0.387	0.387	0.390	0.471	0.495	0.437	0.408	16.88
24)	Nitrobenzene	0.266	0.420	0.423	0.410	0.488	0.505	0.443	0.422	18.43
25)	Isophorone	0.696	0.890	0.823	0.749	0.874	0.898	0.800	0.819	9.28
26) C	2-Nitrophenol	0.091	0.112	0.117	0.106	0.145			0.114	17.37
27)	2,4-Dimethylph...	0.201	0.252	0.250	0.247	0.284	0.294	0.264	0.256	11.77
28)	bis(2-Chloroet...	0.433	0.573	0.502	0.460	0.530	0.536	0.468	0.500	9.84
29) C	2,4-Dichloroph...	0.190	0.282	0.301	0.292	0.361	0.383		0.301	22.50
30)	1,2,4-Trichlor...	0.453	0.511	0.448	0.405	0.467	0.476	0.420	0.454	7.81
31)	Naphthalene	1.096	1.264	1.125	0.996	1.159	1.164	1.023	1.118	8.14
32)	Benzoic acid	0.086	0.133	0.132	0.133	0.182	0.207		0.145	29.41
33)	4-Chloroaniline	0.446	0.523	0.485	0.444	0.519	0.522	0.461	0.486	7.41
34) C	Hexachlorobuta...	0.323	0.387	0.348	0.308	0.352	0.358	0.319	0.342	8.00
35)	Caprolactam		0.085	0.092	0.102	0.130	0.134	0.126	0.111	19.15
36) C	4-Chloro-3-met...	0.211	0.317	0.347	0.339	0.413	0.417		0.341	22.16
37)	2-Methylnaphth...	0.785	0.923	0.838	0.751	0.881	0.887	0.783	0.835	7.68
38)	1-Methylnaphth...	0.742	0.884	0.789	0.707	0.819	0.830	0.728	0.785	8.08

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.795	0.903	0.765	0.670	0.774	0.803	0.685	0.771	10.14
41) P	Hexachlorocycl...	0.237	0.296	0.288	0.290	0.358	0.408	0.363	0.320	18.27
42) S	2,4,6-Tribromo...	0.201	0.230	0.242	0.302	0.325	0.293	0.266		18.06
43) C	2,4,6-Trichlor...	0.236	0.321	0.356	0.378	0.470	0.510	0.378		26.34
44)	2,4,5-Trichlor...	0.265	0.346	0.390	0.400	0.490	0.518	0.401		23.13
45) S	2-Fluorobiphenyl	1.567	1.786	1.540	1.307	1.506	1.515	1.297	1.502	11.08
46)	1,1'-Biphenyl	1.508	1.779	1.541	1.328	1.521	1.586	1.366	1.519	9.78
47)	2-Chloronaphth...	1.296	1.434	1.231	1.108	1.256	1.287	1.109	1.246	9.14
48)	2-Nitroaniline	0.160	0.226	0.254	0.296	0.409	0.440	0.297		36.38
49)	Acenaphthylene	1.910	2.176	1.905	1.668	1.959	1.967	1.720	1.901	8.86
50)	Dimethylphthalate	0.969	1.438	1.507	1.462	1.745	1.770	1.548	1.491	17.79
51)	2,6-Dinitrotol...	0.182	0.231	0.266	0.272	0.330	0.353	0.272		23.09
52) C	Acenaphthene	1.197	1.369	1.225	1.095	1.279	1.314	1.165	1.235	7.53
53)	3-Nitroaniline	0.227	0.287	0.310	0.297	0.368	0.386	0.347	0.317	17.07
54) P	2,4-Dinitrophenol	0.110	0.133	0.124	0.125	0.154	0.167	0.162	0.139	15.66
55)	Dibenzofuran	1.897	2.161	1.909	1.687	1.945	1.957	1.694	1.893	8.66
56) P	4-Nitrophenol	0.194	0.208	0.218	0.275	0.295	0.273	0.244		17.27
57)	2,4-Dinitrotol...	0.223	0.330	0.352	0.376	0.482	0.500	0.377		27.19
58)	Fluorene	1.592	1.810	1.612	1.422	1.642	1.645	1.442	1.595	8.28
59)	2,3,4,6-Tetrac...	0.243	0.334	0.369	0.392	0.491	0.524	0.392		26.34
60)	Diethylphthalate	0.858	1.381	1.491	1.440	1.729	1.729	1.438		22.24
61)	4-Chlorophenyl...	0.945	1.102	0.956	0.849	0.977	1.009	0.879	0.960	8.69
62)	4-Nitroaniline	0.262	0.334	0.362	0.350	0.425	0.424	0.376	0.362	15.53
63)	Azobenzene	1.649	1.872	1.660	1.457	1.670	1.693	1.501	1.643	8.27
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.058	0.062	0.062	0.060	0.080	0.092	0.086	0.072	19.78
66) c	n-Nitrosodiphe...	0.546	0.660	0.576	0.510	0.585	0.606	0.531	0.573	8.82
67)	4-Bromophenyl-...	0.251	0.286	0.258	0.232	0.269	0.281	0.244	0.260	7.57
68)	Hexachlorobenzene	0.264	0.320	0.282	0.249	0.292	0.299	0.259	0.281	8.92
69)	Atrazine	0.118	0.187	0.178	0.181	0.208	0.213	0.174	0.180	17.25
70) C	Pentachlorophenol	0.102	0.113	0.121	0.154	0.168	0.153	0.135		19.64
71)	Phenanthrene	1.105	1.262	1.099	0.965	1.112	1.108	0.957	1.087	9.49
72)	Anthracene	1.057	1.208	1.078	0.940	1.081	1.091	0.937	1.056	8.93
73)	Carbazole	0.916	1.089	0.976	0.851	0.979	0.980	0.851	0.949	8.87
74)	Di-n-butylphth...	0.563	0.891	0.956	0.953	1.149	1.162	0.946		23.05
75) C	Fluoranthene	1.489	1.725	1.481	1.275	1.455	1.432	1.228	1.441	11.27
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.362	0.427	0.416	0.468	0.492	0.511	0.404	0.440	11.97
78)	Pyrene	1.408	1.535	1.407	1.239	1.373	1.414	1.178	1.365	8.77
79) S	Terphenyl-d14	1.157	1.260	1.153	0.993	1.079	1.068	0.883	1.085	11.29
80)	Butylbenzylpht...	0.192	0.245	0.306	0.344	0.440	0.486	0.336		33.50
81)	Benzo(a)anthra...	1.368	1.539	1.412	1.248	1.403	1.427	1.228	1.375	7.84
82)	3,3'-Dichlorob...	0.279	0.386	0.414	0.415	0.492	0.499	0.438	0.418	17.75
83)	Chrysene	1.336	1.496	1.366	1.201	1.350	1.352	1.172	1.325	8.22
84)	Bis(2-ethylhex...	0.298	0.405	0.479	0.512	0.652	0.690	0.506		29.21
85) c	Di-n-octyl pht...	0.514	0.639	0.719	0.789	1.031	1.125	0.803		29.13

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		-----ISTD-----									
86)	I	Perylene-d12									
87)		Indeno(1,2,3-c...	1.272	1.607	1.506	1.411	1.553	1.602	1.400	1.479	8.35
88)		Benzo(b)fluora...	1.241	1.476	1.381	1.254	1.365	1.373	1.206	1.328	7.27
89)		Benzo(k)fluora...	1.218	1.467	1.343	1.224	1.273	1.323	1.139	1.284	8.28
90)	C	Benzo(a)pyrene	1.133	1.374	1.273	1.181	1.264	1.294	1.131	1.236	7.35
91)		Dibenzo(a,h)an...	1.021	1.291	1.224	1.142	1.254	1.291	1.117	1.191	8.53
92)		Benzo(g,h,i)pe...	1.074	1.316	1.239	1.153	1.239	1.276	1.109	1.201	7.51

(#) = Out of Range