

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG033023.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Mar 31 03:23:11 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BG056920.D 5 =BG056921.D 10 =BG056922.D 20 =BG056923.D 40 =BG056924.D 50 =BG056925.D 60 =BG056926.D 80 =BG056927.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.563	0.564	0.574	0.578	0.524	0.529	0.503	0.548	5.27	
3)	Pyridine	1.680	1.751	1.817	1.864	1.740	1.786	1.713	1.764	3.57	
4)	n-Nitrosodimet...	0.820	0.818	0.846	0.834	0.791	0.788	0.781	0.811	3.08	
5) S	2-Fluorophenol	1.369	1.273	1.281	1.267	1.172	1.206	1.179	1.250	5.57	
6)	Aniline	2.535	2.457	2.463	2.500	2.253	2.260	2.257	2.389	5.31	
7) S	Phenol-d6	1.932	1.893	1.880	1.959	1.799	1.821	1.800	1.869	3.43	
8)	2-Chlorophenol	1.369	1.266	1.273	1.258	1.193	1.197	1.157	1.245	5.63	
9)	Benzaldehyde		1.337	1.348	1.250	1.115	1.046	0.937	1.172	14.20	
10) C	Phenol	1.969	1.903	1.901	1.890	1.762	1.800	1.738	1.852	4.62	
11)	bis(2-Chloroet...	1.474	1.320	1.392	1.351	1.237	1.241	1.218	1.319	7.15	
12)	1,3-Dichlorobe...	1.562	1.408	1.411	1.384	1.302	1.294	1.267	1.375	7.33	
13) C	1,4-Dichlorobe...	1.588	1.404	1.411	1.402	1.295	1.328	1.288	1.388	7.40	
14)	1,2-Dichlorobe...	1.556	1.317	1.384	1.362	1.268	1.267	1.234	1.341	8.13	
15)	Benzyl Alcohol	1.564	1.482	1.601	1.613	1.535	1.542	1.535	1.553	2.86	
16)	2,2'-oxybis(1-...	1.732	1.682	1.686	1.576	1.464	1.522	1.467	1.590	6.98	
17)	2-Methylphenol	1.444	1.224	1.381	1.356	1.295	1.289	1.259	1.321	5.77	
18)	Hexachloroethane	0.573	0.515	0.509	0.525	0.482	0.477	0.470	0.507	7.06	
19) P	n-Nitroso-di-n...	1.386	1.416	1.314	1.393	1.372	1.276	1.289	1.249	1.337	4.68
20)	3+4-Methylphenols	2.096	1.775	1.857	1.876	1.759	1.799	1.770	1.848	6.40	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.651	0.576	0.622	0.598	0.555	0.588	0.577	0.595	5.40	
23) S	Nitrobenzene-d5	0.522	0.463	0.507	0.495	0.467	0.485	0.482	0.489	4.28	
24)	Nitrobenzene	0.509	0.480	0.534	0.498	0.480	0.504	0.493	0.500	3.74	
25)	Isophorone	0.966	0.911	0.971	0.951	0.877	0.926	0.915	0.931	3.64	
26) C	2-Nitrophenol	0.194	0.173	0.197	0.199	0.192	0.198	0.196	0.193	4.62	
27)	2,4-Dimethylph...	0.365	0.318	0.357	0.342	0.324	0.340	0.338	0.341	4.94	
28)	bis(2-Chloroet...	0.507	0.479	0.489	0.466	0.430	0.448	0.443	0.466	5.91	
29) C	2,4-Dichloroph...	0.371	0.365	0.379	0.365	0.351	0.369	0.365	0.366	2.32	
30)	1,2,4-Trichlor...	0.417	0.381	0.411	0.387	0.364	0.383	0.382	0.389	4.72	
31)	Naphthalene	1.136	1.093	1.129	1.093	1.026	1.083	1.071	1.090	3.38	
32)	Benzoic acid	0.190	0.191	0.249	0.267	0.240	0.254	0.247	0.234	13.23	
33)	4-Chloroaniline	0.497	0.491	0.513	0.502	0.468	0.494	0.481	0.492	2.90	
34) C	Hexachlorobuta...	0.306	0.290	0.309	0.292	0.279	0.284	0.286	0.292	3.84	
35)	Caprolactam	0.136	0.123	0.132	0.127	0.124	0.124	0.119	0.126	4.58	
36) C	4-Chloro-3-met...	0.415	0.393	0.427	0.413	0.397	0.415	0.407	0.410	2.81	
37)	2-Methylnaphth...	0.926	0.817	0.919	0.874	0.823	0.858	0.840	0.865	5.06	
38)	1-Methylnaphth...	0.905	0.801	0.834	0.809	0.756	0.789	0.793	0.812	5.78	

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.711	0.685	0.724	0.702	0.675	0.686	0.671	0.694	2.81
41) P	Hexachlorocycl...	0.323	0.331	0.370	0.412	0.405	0.411	0.423	0.382	10.77
42) S	2,4,6-Tribromo...	0.337	0.309	0.323	0.329	0.315	0.316	0.307	0.320	3.37
43) C	2,4,6-Trichlor...	0.451	0.435	0.437	0.454	0.434	0.448	0.439	0.443	1.86
44)	2,4,5-Trichlor...	0.534	0.488	0.541	0.531	0.521	0.533	0.521	0.524	3.36
45) S	2-Fluorobiphenyl	1.571	1.494	1.522	1.471	1.416	1.448	1.403	1.475	4.02
46)	1,1'-Biphenyl	1.513	1.453	1.520	1.467	1.432	1.451	1.413	1.464	2.71
47)	2-Chloronaphth...	1.186	1.050	1.120	1.083	1.027	1.065	1.048	1.083	5.03
48)	2-Nitroaniline	0.377	0.368	0.401	0.398	0.386	0.392	0.389	0.387	2.96
49)	Acenaphthylene	1.830	1.805	1.863	1.779	1.721	1.757	1.699	1.779	3.28
50)	Dimethylphthalate	1.683	1.597	1.613	1.617	1.522	1.525	1.474	1.576	4.54
51)	2,6-Dinitrotol...	0.334	0.351	0.359	0.348	0.334	0.335	0.322	0.340	3.65
52) C	Acenaphthene	1.286	1.188	1.257	1.242	1.194	1.218	1.205	1.227	2.94
53)	3-Nitroaniline	0.348	0.322	0.361	0.340	0.334	0.329	0.326	0.337	4.04
54) P	2,4-Dinitrophenol	0.160	0.157	0.188	0.208	0.200	0.214	0.214	0.192	12.64
55)	Dibenzofuran	1.903	1.862	1.928	1.867	1.768	1.814	1.749	1.842	3.65
56) P	4-Nitrophenol	0.216	0.248	0.266	0.252	0.260	0.258	0.245	0.249	6.48
57)	2,4-Dinitrotol...	0.476	0.472	0.516	0.493	0.473	0.472	0.459	0.480	3.90
58)	Fluorene	1.649	1.535	1.577	1.528	1.456	1.485	1.438	1.524	4.80
59)	2,3,4,6-Tetrac...	0.469	0.454	0.488	0.495	0.482	0.485	0.468	0.477	3.01
60)	Diethylphthalate	1.581	1.618	1.688	1.599	1.537	1.546	1.489	1.580	4.06
61)	4-Chlorophenyl...	0.952	0.905	0.924	0.895	0.852	0.871	0.864	0.895	3.99
62)	4-Nitroaniline	0.339	0.352	0.376	0.356	0.341	0.343	0.337	0.349	4.00
63)	Azobenzene	1.648	1.609	1.632	1.588	1.513	1.550	1.481	1.574	3.95
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.109	0.105	0.126	0.124	0.125	0.132	0.127	0.121	8.16
66) c	n-Nitrosodiphe...	0.550	0.523	0.560	0.532	0.519	0.541	0.532	0.537	2.73
67)	4-Bromophenyl-...	0.258	0.242	0.256	0.242	0.237	0.254	0.244	0.247	3.29
68)	Hexachlorobenzene	0.254	0.241	0.249	0.244	0.234	0.249	0.240	0.245	2.78
69)	Atrazine	0.235	0.223	0.240	0.224	0.208	0.218	0.211	0.223	5.31
70) C	Pentachlorophenol	0.171	0.157	0.181	0.179	0.175	0.182	0.183	0.176	5.27
71)	Phenanthrene	1.071	1.019	1.064	1.009	0.979	1.016	0.978	1.020	3.59
72)	Anthracene	1.087	1.046	1.101	1.042	0.999	1.036	1.006	1.045	3.64
73)	Carbazole	0.984	0.924	0.962	0.913	0.862	0.887	0.849	0.911	5.46
74)	Di-n-butylphth...	1.110	1.051	1.130	1.063	0.997	1.027	1.009	1.055	4.74
75) C	Fluoranthene	1.389	1.322	1.369	1.282	1.229	1.254	1.204	1.293	5.42
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.638	0.531	0.584	0.555	0.511	0.527	0.480	0.547	9.47
78)	Pyrene	1.522	1.344	1.435	1.373	1.335	1.376	1.300	1.383	5.35
79) S	Terphenyl-d14	1.319	1.164	1.226	1.170	1.112	1.177	1.107	1.182	6.16
80)	Butylbenzylpht...	0.478	0.437	0.495	0.482	0.469	0.490	0.481	0.476	4.03
81)	Benzo(a)anthra...	1.440	1.354	1.437	1.385	1.343	1.393	1.336	1.384	3.09
82)	3,3'-Dichlorob...	0.488	0.449	0.496	0.469	0.454	0.470	0.446	0.467	4.12
83)	Chrysene	1.366	1.286	1.344	1.290	1.235	1.295	1.254	1.296	3.58
84)	Bis(2-ethylhex...	0.677	0.654	0.704	0.707	0.683	0.707	0.694	0.689	2.81
85) c	Di-n-octyl pht...	1.118	1.106	1.211	1.183	1.147	1.203	1.164	1.162	3.49

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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.532	1.431	1.528	1.489	1.429	1.486	1.452	1.478	2.87
88)	Benzo(b)fluora...	1.226	1.214	1.314	1.261	1.233	1.259	1.248	1.251	2.63
89)	Benzo(k)fluora...	1.220	1.253	1.309	1.283	1.208	1.269	1.197	1.249	3.33
90) C	Benzo(a)pyrene	1.275	1.189	1.276	1.251	1.201	1.214	1.197	1.229	3.05
91)	Dibenzo(a,h)an...	1.265	1.185	1.267	1.219	1.172	1.219	1.178	1.215	3.23
92)	Benzo(g,h,i)pe...	1.249	1.143	1.234	1.195	1.153	1.191	1.164	1.190	3.39

(#) = Out of Range