

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG071119.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jul 12 05:39:06 2019
 Response Via : Initial Calibration

Calibration Files

10 =BG041624.D 20 =BG041625.D 40 =BG041626.D 50 =BG041627.D 60 =BG041628.D 80 =BG041629.D 100 =BG041630.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.570	0.561	0.543	0.551	0.537	0.534	0.489	0.541	4.86
3)	Pyridine	1.396	1.483	1.496	1.502	1.362	1.346	1.227	1.402	7.18
4)	n-Nitrosodimet...	0.856	0.674	0.678	0.715	0.707	0.698	0.669	0.714	9.11
5) S	2-Fluorophenol	1.216	1.256	1.206	1.231	1.206	1.157	1.071	1.192	5.13
6)	Aniline	2.561	2.285	2.221	2.206	2.178	2.106	1.930	2.213	8.64
7) S	Phenol-d6	1.795	1.674	1.646	1.630	1.599	1.541	1.418	1.615	7.23
8)	2-Chlorophenol	1.503	1.360	1.328	1.341	1.322	1.293	1.186	1.333	7.05
9)	Benzaldehyde	1.084	1.024	0.901	0.851	0.790	0.696		0.891	16.29
10) C	Phenol	1.859	1.719	1.714	1.691	1.672	1.600	1.481	1.676	6.92
11)	bis(2-Chloroet...	1.585	1.347	1.382	1.375	1.366	1.306	1.228	1.370	7.97
12)	1,3-Dichlorobe...	1.789	1.655	1.637	1.659	1.632	1.574	1.450	1.628	6.26
13) C	1,4-Dichlorobe...	1.759	1.673	1.641	1.641	1.630	1.564	1.461	1.624	5.71
14)	1,2-Dichlorobe...	1.724	1.589	1.554	1.543	1.529	1.485	1.389	1.545	6.59
15)	Benzyl Alcohol	1.496	1.320	1.321	1.311	1.284	1.259	1.171	1.309	7.49
16)	2,2'-oxybis(1-...	3.361	3.012	2.959	2.941	2.923	2.799	2.599	2.942	7.83
17)	2-Methylphenol	1.377	1.196	1.199	1.197	1.177	1.153	1.062	1.194	7.88
18)	Hexachloroethane	0.680	0.606	0.596	0.608	0.606	0.581	0.549	0.604	6.53
19) P	n-Nitroso-di-n...	1.342	1.202	1.214	1.180	1.174	1.140	1.050	1.186	7.40
20)	3+4-Methylphenols	1.886	1.633	1.685	1.637	1.639	1.571	1.459	1.644	7.85
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.615	0.506	0.479	0.482	0.479	0.463	0.440	0.495	11.48
23) S	Nitrobenzene-d5	0.400	0.315	0.311	0.322	0.322	0.320	0.306	0.328	9.82
24)	Nitrobenzene	0.424	0.328	0.323	0.339	0.337	0.328	0.320	0.343	10.61
25)	Isophorone	0.884	0.727	0.700	0.705	0.696	0.667	0.624	0.715	11.42
26) C	2-Nitrophenol	0.185	0.131	0.138	0.149	0.150	0.151	0.152	0.151	11.23
27)	2,4-Dimethylph...	0.352	0.283	0.275	0.282	0.276	0.269	0.254	0.284	10.99
28)	bis(2-Chloroet...	0.549	0.454	0.431	0.439	0.431	0.412	0.388	0.443	11.53
29) C	2,4-Dichloroph...	0.407	0.328	0.319	0.322	0.322	0.310	0.293	0.329	11.02
30)	1,2,4-Trichlor...	0.478	0.382	0.370	0.377	0.373	0.361	0.342	0.383	11.40
31)	Naphthalene	1.179	1.010	0.972	0.972	0.953	0.906	0.844	0.977	10.66
32)	Benzoic acid	0.259	0.184	0.189	0.210	0.201	0.212	0.208	0.209	11.74
33)	4-Chloroaniline	0.580	0.476	0.466	0.462	0.453	0.440	0.409	0.469	11.38
34) C	Hexachlorobuta...	0.311	0.243	0.237	0.243	0.243	0.235	0.224	0.248	11.62
35)	Caprolactam	0.163	0.131	0.126	0.120	0.118	0.114	0.106	0.125	14.84
36) C	4-Chloro-3-met...	0.423	0.344	0.335	0.336	0.332	0.322	0.301	0.342	11.26
37)	2-Methylnaphth...	0.918	0.766	0.737	0.736	0.725	0.695	0.646	0.746	11.36
38)	1-Methylnaphth...	0.873	0.731	0.701	0.694	0.688	0.660	0.611	0.708	11.56

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.812	0.681	0.651	0.674	0.678	0.633	0.614	0.678	9.48	
41) P	Hexachlorocycl...	0.516	0.400	0.384	0.413	0.412	0.393	0.388	0.415	11.01	
42) S	2,4,6-Tribromo...	0.286	0.226	0.226	0.225	0.225	0.212	0.200	0.229	11.85	
43) C	2,4,6-Trichlor...	0.560	0.451	0.426	0.439	0.440	0.407	0.392	0.445	12.28	
44)	2,4,5-Trichlor...	0.572	0.470	0.438	0.448	0.443	0.414	0.395	0.454	12.57	
45) S	2-Fluorobiphenyl	1.437	1.425	1.281	1.303	1.272	1.147	1.040	1.272	11.17	
46)	1,1'-Biphenyl	1.752	1.556	1.445	1.488	1.467	1.354	1.284	1.478	10.16	
47)	2-Chloronaphth...	1.474	1.274	1.190	1.233	1.228	1.135	1.080	1.231	10.21	
48)	2-Nitroaniline	0.417	0.288	0.313	0.334	0.349	0.342	0.342	0.341	11.66	
49)	Acenaphthylene	2.189	2.014	1.881	1.887	1.864	1.706	1.580	1.874	10.53	
50)	Dimethylphthalate	1.846	1.681	1.564	1.575	1.560	1.433	1.311	1.567	10.88	
51)	2,6-Dinitrotol...	0.377	0.274	0.297	0.307	0.319	0.311	0.304	0.313	10.20	
52) C	Acenaphthene	1.427	1.226	1.177	1.197	1.205	1.121	1.057	1.202	9.58	
53)	3-Nitroaniline	0.428	0.313	0.335	0.348	0.355	0.344	0.331	0.350	10.48	
54) P	2,4-Dinitrophenol	0.179	0.112	0.126	0.134	0.144	0.145	0.148	0.141	14.83	
55)	Dibenzofuran	2.086	1.965	1.808	1.801	1.792	1.635	1.512	1.800	10.62	
56) P	4-Nitrophenol	0.349	0.253	0.269	0.270	0.283	0.269	0.260	0.279	11.61	
57)	2,4-Dinitrotol...	0.501	0.342	0.390	0.405	0.425	0.414	0.401	0.411	11.58	
58)	Fluorene	1.708	1.589	1.475	1.465	1.440	1.321	1.219	1.460	11.05	
59)	2,3,4,6-Tetrac...	0.536	0.445	0.426	0.420	0.423	0.386	0.360	0.428	12.96	
60)	Diethylphthalate	1.874	1.720	1.593	1.572	1.560	1.439	1.333	1.584	11.15	
61)	4-Chlorophenyl...	1.001	0.875	0.825	0.827	0.829	0.772	0.725	0.836	10.39	
62)	4-Nitroaniline	0.461	0.349	0.362	0.363	0.370	0.360	0.338	0.372	10.97	
63)	Azobenzene	1.686	1.487	1.388	1.386	1.368	1.266	1.183	1.395	11.55	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.124	0.063	0.076	0.082	0.087	0.087	0.088	0.087	21.58	
66) c	n-Nitrosodiphe...	0.808	0.594	0.561	0.581	0.566	0.522	0.605		16.85	
67)	4-Bromophenyl-...	0.336	0.235	0.225	0.238	0.233	0.218	0.247		17.84	
68)	Hexachlorobenzene	0.337	0.236	0.230	0.237	0.238	0.222	0.250		17.29	
69)	Atrazine	0.328	0.228	0.179	0.148	0.125	0.078	0.181		48.50	
70) C	Pentachlorophenol	0.229	0.147	0.143	0.144	0.142	0.127	0.155		23.69	
71)	Phenanthrene	1.310	1.084	1.001	1.006	0.979	0.891	1.045		13.75	
72)	Anthracene	1.354	1.113	1.010	1.009	0.980		1.093		14.11	
73)	Carbazole	1.260	1.025	0.933	0.921	0.899		1.008		14.76	
74)	Di-n-butylphth...	1.475	1.324	1.155	1.136	1.091		1.236		12.96	
75) C	Fluoranthene	1.548	1.377	1.222	1.203	1.154	1.045	1.258		14.18	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.958	0.681	0.576	0.577	0.547		0.668		25.47	
78)	Pyrene	1.601	1.416	1.301	1.283	1.252	1.126	1.028	1.287	14.54	
79) S	Terphenyl-d14	0.943	0.932	0.806	0.792	0.765	0.672	0.818		12.66	
80)	Butylbenzylphth...	0.772	0.591	0.556	0.560	0.562		0.608		15.22	
81)	Benzo(a)anthra...	1.717	1.402	1.278	1.272	1.251		1.384		14.12	
82)	3,3'-Dichlorob...	0.741	0.559	0.526	0.528	0.524		0.575		16.24	
83)	Chrysene	1.564	1.341	1.215	1.227	1.191	1.089	0.996	1.232	14.83	
84)	Bis(2-ethylhex...	1.051	0.860	0.792	0.794	0.783	0.712	0.832		14.08	
85) c	Di-n-octyl pht...	1.806	1.496	1.382	1.390	1.355	1.234	1.444		13.58	
86)	Indeno(1,2,3-c...	2.203	1.620	1.547	1.585	1.589	1.496	1.673		15.73	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.392	1.240	1.198	1.196	1.181	1.081	1.023	1.187	9.92
89)	Benzo(k)fluora...	1.325	1.216	1.098	1.152	1.140	1.046	0.945	1.132	10.71
90) C	Benzo(a)pyrene	1.350	1.182	1.123	1.150	1.136	1.048	0.977	1.138	10.25
91)	Dibenzo(a,h)an...	1.336	1.128	1.074	1.108	1.100	1.021	0.967	1.105	10.52
92)	Benzo(g,h,i)pe...	1.335	1.116	1.063	1.101	1.098	1.028	0.974	1.102	10.32

(#) = Out of Range