

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG022420.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Feb 24 16:11:23 2020
 Response Via : Initial Calibration

Calibration Files

10 =BG044566.D 20 =BG044567.D 40 =BG044568.D 50 =BG044569.D 60 =BG044570.D 80 =BG044571.D 100 =BG044572.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.616	0.572	0.502	0.562	0.552	0.509	0.494	0.544	8.18
3)	Pyridine	1.625	1.602	1.482	1.636	1.589	1.392	1.297	1.518	8.67
4)	n-Nitrosodimet...	0.605	0.580	0.547	0.599	0.595	0.561	0.548	0.576	4.26
5) S	2-Fluorophenol	1.361	1.289	1.180	1.308	1.263	1.190	1.133	1.247	6.49
6)	Aniline	2.249	2.135	1.998	2.163	2.073	2.006	1.919	2.077	5.44
7) S	Phenol-d6	1.856	1.778	1.655	1.804	1.697	1.616	1.538	1.706	6.61
8)	2-Chlorophenol	1.494	1.432	1.302	1.413	1.351	1.292	1.240	1.361	6.60
9)	Benzaldehyde	1.213	1.118	0.962	1.012	0.928	0.787		1.003	14.86
10) C	Phenol	1.812	1.713	1.583	1.743	1.636	1.583	1.504	1.653	6.49
11)	bis(2-Chloroet...	1.582	1.426	1.323	1.438	1.388	1.304	1.269	1.390	7.62
12)	1,3-Dichlorobe...	1.832	1.681	1.535	1.671	1.623	1.549	1.470	1.623	7.37
13) C	1,4-Dichlorobe...	1.857	1.699	1.536	1.671	1.617	1.558	1.479	1.631	7.70
14)	1,2-Dichlorobe...	1.761	1.644	1.480	1.600	1.523	1.465	1.384	1.551	8.17
15)	Benzyl Alcohol	1.124	1.161	1.129	1.221	1.162	1.151	1.106	1.151	3.25
16)	2,2'-oxybis(1-...	2.099	1.950	1.783	1.901	1.843	1.781	1.721	1.868	6.84
17)	2-Methylphenol	1.285	1.221	1.149	1.232	1.165	1.127	1.090	1.181	5.72
18)	Hexachloroethane	0.658	0.616	0.562	0.615	0.597	0.575	0.549	0.596	6.25
19) P	n-Nitroso-di-n...	1.216	1.178	1.067	1.130	1.069	1.032	0.985	1.097	7.46
20)	3+4-Methylphenols	1.714	1.651	1.586	1.706	1.601	1.569	1.494	1.617	4.86
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.550	0.499	0.470	0.518	0.509	0.493	0.476	0.502	5.38
23) S	Nitrobenzene-d5	0.409	0.387	0.363	0.401	0.397	0.386	0.375	0.388	4.10
24)	Nitrobenzene	0.397	0.370	0.349	0.392	0.385	0.374	0.365	0.376	4.38
25)	Isophorone	0.770	0.731	0.677	0.747	0.735	0.722	0.700	0.726	4.18
26) C	2-Nitrophenol	0.200	0.195	0.188	0.214	0.216	0.209	0.205	0.204	4.90
27)	2,4-Dimethylph...	0.293	0.280	0.270	0.299	0.293	0.290	0.281	0.286	3.52
28)	bis(2-Chloroet...	0.514	0.480	0.447	0.499	0.491	0.475	0.456	0.480	4.91
29) C	2,4-Dichloroph...	0.343	0.330	0.324	0.361	0.352	0.348	0.339	0.342	3.73
30)	1,2,4-Trichlor...	0.423	0.389	0.362	0.409	0.407	0.396	0.385	0.396	5.00
31)	Naphthalene	1.203	1.104	1.021	1.123	1.096	1.074	1.018	1.091	5.82
32)	Benzoic acid	0.027	0.055	0.087	0.108	0.125	0.174	0.202	0.111	55.99
33)	4-Chloroaniline	0.487	0.468	0.459	0.510	0.490	0.485	0.466	0.481	3.62
34) C	Hexachlorobuta...	0.259	0.243	0.227	0.258	0.253	0.255	0.246	0.249	4.52
35)	Caprolactam	0.121	0.117	0.113	0.129	0.125	0.127	0.125	0.123	4.65
36) C	4-Chloro-3-met...	0.366	0.350	0.327	0.371	0.357	0.354	0.343	0.352	4.10
37)	2-Methylnaphth...	0.884	0.814	0.755	0.836	0.809	0.792	0.756	0.807	5.64
38)	1-Methylnaphth...	0.860	0.785	0.714	0.787	0.765	0.744	0.710	0.766	6.74

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.713	0.654	0.624	0.699	0.673	0.658	0.673		4.55	
41) P	Hexachlorocycl...	0.155	0.197	0.245	0.296	0.311	0.325	0.331	0.266	25.78	
42) S	2,4,6-Tribromo...	0.287	0.271	0.266	0.296	0.291	0.291	0.283	0.284	3.97	
43) C	2,4,6-Trichlor...	0.430	0.410	0.410	0.456	0.455	0.452	0.446	0.437	4.69	
44)	2,4,5-Trichlor...	0.431	0.425	0.421	0.472	0.470	0.469	0.457	0.449	5.01	
45) S	2-Fluorobiphenyl	1.648	1.462	1.316	1.433	1.379	1.312	1.227	1.397	9.78	
46)	1,1'-Biphenyl	1.831	1.658	1.565	1.702	1.677	1.614	1.539	1.655	5.90	
47)	2-Chloronaphth...	1.446	1.291	1.217	1.321	1.310	1.270	1.228	1.298	5.87	
48)	2-Nitroaniline	0.355	0.343	0.338	0.376	0.377	0.371	0.362	0.360	4.36	
49)	Acenaphthylene	2.169	1.920	1.812	1.966	1.918	1.855	1.770	1.916	6.81	
50)	Dimethylphthalate	1.823	1.626	1.516	1.658	1.616	1.560	1.501	1.614	6.74	
51)	2,6-Dinitrotol...	0.374	0.349	0.334	0.364	0.361	0.360	0.349	0.356	3.67	
52) C	Acenaphthene	1.342	1.222	1.141	1.252	1.226	1.206	1.159	1.221	5.39	
53)	3-Nitroaniline	0.383	0.366	0.363	0.402	0.400	0.392	0.382	0.384	3.99	
54) P	2,4-Dinitrophenol	0.079	0.126	0.166	0.192	0.199	0.216	0.220	0.171	30.32	
55)	Dibenzofuran	2.151	1.911	1.766	1.911	1.869	1.801	1.698	1.872	7.78	
56) P	4-Nitrophenol	0.201	0.227	0.253	0.290	0.289	0.299	0.290	0.264	14.44	
57)	2,4-Dinitrotol...	0.522	0.485	0.469	0.518	0.509	0.508	0.494	0.501	3.79	
58)	Fluorene	1.693	1.513	1.398	1.521	1.474	1.434	1.358	1.484	7.36	
59)	2,3,4,6-Tetrac...	0.417	0.388	0.389	0.426	0.423	0.430	0.423	0.414	4.21	
60)	Diethylphthalate	1.815	1.619	1.508	1.633	1.593	1.555	1.473	1.599	6.97	
61)	4-Chlorophenyl...	0.915	0.800	0.755	0.823	0.805	0.793	0.759	0.807	6.65	
62)	4-Nitroaniline	0.363	0.374	0.361	0.409	0.398	0.401	0.384	0.384	4.88	
63)	Azobenzene	1.527	1.377	1.278	1.386	1.361	1.325	1.275	1.361	6.31	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.099	0.107	0.118	0.135	0.137	0.136	0.134	0.124	12.80	
66) c	n-Nitrosodiphe...	0.689	0.626	0.585	0.646	0.628	0.608	0.584	0.624	5.90	
67)	4-Bromophenyl-...	0.258	0.242	0.233	0.259	0.252	0.250	0.245	0.248	3.70	
68)	Hexachlorobenzene	0.300	0.275	0.260	0.291	0.286	0.281	0.271	0.281	4.64	
69)	Atrazine	0.254	0.231	0.216	0.242	0.234	0.227	0.212	0.231	6.28	
70) C	Pentachlorophenol	0.069	0.086	0.113	0.134	0.135	0.138	0.140	0.116	24.34	
71)	Phenanthrene	1.264	1.151	1.042	1.144	1.106	1.057	0.986	1.107	8.18	
72)	Anthracene	1.244	1.118	1.030	1.126	1.100	1.040	0.979	1.091	7.88	
73)	Carbazole	1.090	1.016	0.943	1.033	0.996	0.968	0.906	0.993	6.12	
74)	Di-n-butylphth...	1.401	1.293	1.204	1.305	1.245	1.178	1.087	1.245	8.13	
75) C	Fluoranthene	1.507	1.365	1.252	1.369	1.300	1.234	1.148	1.311	8.85	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.653	0.655	0.701	0.752	0.736	0.677	0.621	0.685	6.92	
78)	Pyrene	1.685	1.539	1.392	1.490	1.435	1.361	1.260	1.452	9.44	
79) S	Terphenyl-d14	1.318	1.177	1.032	1.082	1.014	0.940	0.832	1.056	14.95	
80)	Butylbenzylphth...	0.675	0.637	0.606	0.657	0.652	0.625	0.594	0.635	4.56	
81)	Benzo(a)anthra...	1.575	1.455	1.329	1.457	1.413	1.341	1.270	1.406	7.24	
82)	3,3'-Dichlorob...	0.585	0.553	0.537	0.585	0.573	0.546	0.509	0.555	4.99	
83)	Chrysene	1.553	1.387	1.290	1.397	1.369	1.306	1.211	1.359	7.90	
84)	Bis(2-ethylhex...	0.987	0.914	0.835	0.905	0.874	0.832	0.779	0.875	7.75	
85) c	Di-n-octyl pht...	1.667	1.562	1.495	1.615	1.559	1.489	1.390	1.540	5.92	
86)	Indeno(1,2,3-c...	1.773	1.681	1.638	1.801	1.801	1.781	1.733	1.744	3.63	

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87)	I	Perylene-d12	-----ISTD-----								
88)		Benzo(b)fluora...	1.411	1.308	1.241	1.348	1.370	1.280	1.247	1.315	4.88
89)		Benzo(k)fluora...	1.399	1.282	1.201	1.328	1.276	1.256	1.189	1.276	5.70
90)	C	Benzo(a)pyrene	1.306	1.218	1.159	1.280	1.270	1.227	1.188	1.235	4.27
91)		Dibenzo(a,h)an...	1.242	1.190	1.153	1.266	1.262	1.242	1.198	1.222	3.45
92)		Benzo(g,h,i)pe...	1.258	1.199	1.144	1.260	1.253	1.242	1.214	1.224	3.47

(#) = Out of Range