

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG082219.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Aug 22 14:29:15 2019
 Response Via : Initial Calibration

Calibration Files

10 =BG042396.D 20 =BG042397.D 40 =BG042398.D 50 =BG042399.D 60 =BG042400.D 80 =BG042401.D 100 =BG042402.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.462	0.411	0.416	0.398	0.411	0.394	0.393	0.412	5.78
3)	Pyridine	1.025	1.037	1.094	1.086	1.132	1.021	1.003	1.057	4.50
4)	n-Nitrosodimet...	0.344	0.363	0.372	0.380	0.397	0.392	0.395	0.377	5.16
5) S	2-Fluorophenol	0.998	0.994	0.998	0.977	1.007	0.980	0.959	0.988	1.69
6)	Aniline	1.800	1.825	1.780	1.752	1.820	1.755	1.722	1.779	2.15
7) S	Phenol-d6	1.326	1.362	1.352	1.323	1.358	1.314	1.302	1.334	1.76
8)	2-Chlorophenol	1.228	1.232	1.210	1.166	1.210	1.166	1.166	1.197	2.51
9)	Benzaldehyde	0.830	0.781	0.560	0.654	0.639	0.543		0.668	17.36
10) C	Phenol	1.364	1.377	1.374	1.352	1.386	1.328	1.312	1.356	2.00
11)	bis(2-Chloroet...	1.078	1.076	1.077	1.050	1.078	1.048	1.049	1.065	1.43
12)	1,3-Dichlorobe...	1.589	1.546	1.519	1.486	1.533	1.495	1.489	1.522	2.45
13) C	1,4-Dichlorobe...	1.619	1.581	1.551	1.510	1.544	1.511	1.480	1.542	3.07
14)	1,2-Dichlorobe...	1.582	1.503	1.472	1.439	1.481	1.437	1.425	1.477	3.67
15)	Benzyl Alcohol	0.919	0.953	0.963	0.958	0.980	0.964	0.981	0.960	2.18
16)	2,2'-oxybis(1-...	1.510	1.484	1.443	1.412	1.452	1.402	1.404	1.444	2.88
17)	2-Methylphenol	0.992	1.019	0.992	0.989	1.012	0.998	0.991	0.999	1.18
18)	Hexachloroethane	0.557	0.532	0.528	0.513	0.527	0.518	0.521	0.528	2.71
19) P	n-Nitroso-di-n...	0.873	0.880	0.863	0.852	0.880	0.854	0.847	0.864	1.61
20)	3+4-Methylphenols	1.353	1.391	1.374	1.384	1.413	1.379	1.382	1.382	1.31
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.439	0.440	0.433	0.415	0.432	0.421	0.413	0.428	2.62
23) S	Nitrobenzene-d5	0.293	0.297	0.295	0.282	0.291	0.287	0.282	0.289	2.05
24)	Nitrobenzene	0.296	0.299	0.295	0.287	0.297	0.289	0.288	0.293	1.67
25)	Isophorone	0.575	0.585	0.585	0.555	0.577	0.564	0.556	0.571	2.25
26) C	2-Nitrophenol	0.177	0.185	0.183	0.182	0.187	0.185	0.187	0.184	1.93
27)	2,4-Dimethylph...	0.251	0.254	0.259	0.246	0.259	0.253	0.250	0.253	1.83
28)	bis(2-Chloroet...	0.362	0.372	0.367	0.353	0.363	0.354	0.349	0.360	2.30
29) C	2,4-Dichloroph...	0.320	0.329	0.340	0.325	0.339	0.332	0.332	0.331	2.14
30)	1,2,4-Trichlor...	0.412	0.422	0.409	0.393	0.412	0.401	0.396	0.406	2.54
31)	Naphthalene	0.967	0.968	0.949	0.900	0.930	0.907	0.879	0.929	3.70
32)	Benzoic acid	0.100	0.155	0.163	0.173	0.181	0.194	0.213	0.169	21.36
33)	4-Chloroaniline	0.419	0.441	0.443	0.418	0.439	0.425	0.416	0.429	2.77
34) C	Hexachlorobuta...	0.281	0.283	0.274	0.265	0.275	0.269	0.265	0.273	2.63
35)	Caprolactam	0.105	0.108	0.116	0.109	0.113	0.111	0.110	0.110	3.32
36) C	4-Chloro-3-met...	0.308	0.318	0.325	0.310	0.317	0.311	0.311	0.314	1.90
37)	2-Methylnaphth...	0.757	0.772	0.773	0.725	0.752	0.730	0.709	0.746	3.27
38)	1-Methylnaphth...	0.736	0.732	0.729	0.692	0.706	0.690	0.672	0.708	3.51

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.687	0.664	0.650	0.617	0.642	0.628	0.608	0.642	4.26	
41) P	Hexachlorocycl...	0.260	0.317	0.329	0.340	0.365	0.374	0.376	0.337	12.14	
42) S	2,4,6-Tribromo...	0.288	0.287	0.297	0.277	0.288	0.280	0.272	0.284	2.93	
43) C	2,4,6-Trichlor...	0.442	0.441	0.440	0.422	0.440	0.432	0.421	0.434	2.10	
44)	2,4,5-Trichlor...	0.456	0.460	0.454	0.430	0.463	0.449	0.438	0.450	2.65	
45) S	2-Fluorobiphenyl	1.349	1.287	1.225	1.141	1.161	1.103	1.013	1.183	9.62	
46)	1,1'-Biphenyl	1.399	1.331	1.319	1.245	1.291	1.263	1.202	1.293	4.97	
47)	2-Chloronaphth...	1.194	1.153	1.134	1.074	1.121	1.082	1.046	1.115	4.58	
48)	2-Nitroaniline	0.266	0.270	0.276	0.263	0.269	0.273	0.265	0.269	1.71	
49)	Acenaphthylene	1.803	1.754	1.748	1.622	1.678	1.614	1.520	1.677	5.90	
50)	Dimethylphthalate	1.548	1.518	1.515	1.396	1.432	1.378	1.314	1.443	6.02	
51)	2,6-Dinitrotol...	0.336	0.335	0.348	0.329	0.339	0.329	0.325	0.334	2.30	
52) C	Acenaphthene	1.084	1.052	1.055	0.991	1.012	0.985	0.950	1.018	4.63	
53)	3-Nitroaniline	0.328	0.338	0.350	0.327	0.335	0.335	0.329	0.335	2.42	
54) P	2,4-Dinitrophenol	0.134	0.168	0.203	0.203	0.218	0.225	0.233	0.198	17.82	
55)	Dibenzofuran	1.834	1.786	1.769	1.638	1.675	1.599	1.499	1.686	7.02	
56) P	4-Nitrophenol	0.195	0.228	0.248	0.240	0.252	0.252	0.249	0.238	8.74	
57)	2,4-Dinitrotol...	0.469	0.483	0.504	0.471	0.485	0.478	0.463	0.479	2.86	
58)	Fluorene	1.504	1.460	1.447	1.337	1.363	1.303	1.232	1.378	7.03	
59)	2,3,4,6-Tetrac...	0.459	0.457	0.460	0.432	0.448	0.438	0.421	0.445	3.41	
60)	Diethylphthalate	1.551	1.472	1.496	1.358	1.391	1.340	1.267	1.411	7.07	
61)	4-Chlorophenyl...	0.897	0.862	0.865	0.806	0.827	0.796	0.761	0.831	5.66	
62)	4-Nitroaniline	0.353	0.364	0.381	0.350	0.357	0.354	0.347	0.358	3.20	
63)	Azobenzene	1.039	1.005	1.002	0.931	0.959	0.929	0.902	0.967	5.16	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.101	0.119	0.130	0.126	0.134	0.134	0.135	0.125	9.79	
66) c	n-Nitrosodiphe...	0.574	0.581	0.568	0.534	0.549	0.530	0.515	0.550	4.53	
67)	4-Bromophenyl-...	0.252	0.260	0.258	0.253	0.257	0.249	0.246	0.254	1.94	
68)	Hexachlorobenzene	0.282	0.286	0.283	0.268	0.277	0.269	0.265	0.276	3.05	
69)	Atrazine	0.221	0.222	0.192	0.188	0.189	0.155	0.195		12.74	
70) C	Pentachlorophenol	0.112	0.135	0.150	0.150	0.154	0.153	0.150	0.143	10.47	
71)	Phenanthrene	1.086	1.075	1.051	0.961	0.983	0.924	0.874	0.993	8.13	
72)	Anthracene	1.075	1.070	1.054	0.967	0.981	0.930	0.865	0.992	7.96	
73)	Carbazole	0.954	0.951	0.936	0.862	0.876	0.831	0.777	0.884	7.58	
74)	Di-n-butylphth...	1.154	1.130	1.125	1.021	1.032	0.965	0.888	1.045	9.36	
75) C	Fluoranthene	1.398	1.351	1.307	1.170	1.171	1.093	0.996	1.212	12.01	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.677	0.651	0.503	0.521	0.515		0.573		14.55	
78)	Pyrene	1.376	1.344	1.298	1.200	1.211	1.131	1.024	1.226	10.12	
79) S	Terphenyl-d14	1.100	1.026	0.962	0.857	0.850	0.755	0.925		13.80	
80)	Butylbenzylphth...	0.505	0.501	0.502	0.470	0.483	0.466	0.449	0.482	4.44	
81)	Benzo(a)anthra...	1.329	1.300	1.280	1.193	1.210	1.131	1.073	1.217	7.66	
82)	3,3'-Dichlorob...	0.526	0.530	0.503	0.479	0.489	0.465	0.433	0.489	7.03	
83)	Chrysene	1.291	1.263	1.237	1.143	1.162	1.098	1.020	1.173	8.24	
84)	Bis(2-ethylhex...	0.710	0.702	0.700	0.657	0.669	0.639	0.610	0.670	5.55	
85) c	Di-n-octyl pht...	1.214	1.208	1.204	1.133	1.160	1.102	1.040	1.152	5.60	
86)	Indeno(1,2,3-c...	1.605	1.617	1.636	1.556	1.618	1.576	1.554	1.595	2.04	

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87) I	Perylene-d12										
88)	Benzo(b)fluora...	1.172	1.137	1.170	1.065	1.080	1.066	1.007	1.100	5.63	
89)	Benzo(k)fluora...	1.169	1.139	1.101	1.029	1.045	0.982	0.934	1.057	8.00	
90) C	Benzo(a)pyrene	1.121	1.082	1.095	1.012	1.035	0.998	0.960	1.043	5.55	
91)	Dibenzo(a,h)an...	1.120	1.095	1.089	1.027	1.053	1.020	0.991	1.056	4.43	
92)	Benzo(g,h,i)pe...	1.113	1.076	1.084	1.023	1.057	1.037	1.007	1.057	3.53	

(#) = Out of Range