

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG070620.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jul 07 09:58:42 2020
 Response Via : Initial Calibration

Calibration Files

5 =BG045944.D 10 =BG045945.D 20 =BG045946.D 40 =BG045947.D 50 =BG045948.D 60 =BG045949.D 80 =BG045950.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.587	0.548	0.604	0.562	0.558	0.552	0.571	0.569	3.56
3)	Pyridine	1.711	1.715	1.847	1.709	1.710	1.679	1.673	1.720	3.38
4)	n-Nitrosodimet...	0.484	0.549	0.645	0.600	0.610	0.595	0.591	0.582	8.91
5) S	2-Fluorophenol	1.337	1.286	1.355	1.193	1.192	1.146	1.124	1.233	7.51
6)	Aniline	2.409	2.364	2.484	2.241	2.219	2.106	2.077	2.271	6.76
7) S	Phenol-d6	1.918	1.863	1.965	1.740	1.720	1.633	1.591	1.776	8.05
8)	2-Chlorophenol	1.464	1.363	1.443	1.291	1.284	1.236	1.212	1.328	7.43
9)	Benzaldehyde	1.109	1.283	1.281	0.975	0.976			1.125	13.65
10) C	Phenol	1.916	1.850	1.949	1.736	1.743	1.656	1.619	1.781	7.12
11)	bis(2-Chloroet...	1.556	1.551	1.597	1.431	1.436	1.375	1.364	1.473	6.38
12)	1,3-Dichlorobe...	1.608	1.604	1.685	1.488	1.490	1.430	1.406	1.530	6.78
13) C	1,4-Dichlorobe...	1.552	1.551	1.666	1.479	1.478	1.410	1.401	1.505	6.16
14)	1,2-Dichlorobe...	1.539	1.536	1.594	1.419	1.408	1.326	1.320	1.449	7.54
15)	Benzyl Alcohol	1.482	1.391	1.503	1.378	1.387	1.316	1.288	1.392	5.67
16)	2,2'-oxybis(1-...	1.915	1.983	2.106	1.901	1.922	1.825	1.800	1.922	5.31
17)	2-Methylphenol	1.389	1.415	1.447	1.327	1.315	1.241	1.221	1.336	6.42
18)	Hexachloroethane	0.627	0.589	0.621	0.568	0.566	0.543	0.540	0.579	6.03
19) P	n-Nitroso-di-n...	1.410	1.238	1.346	1.225	1.224	1.159	1.130	1.247	7.94
20)	3+4-Methylphenols	1.954	1.877	1.983	1.825	1.778	1.691	1.642	1.821	7.01
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.551	0.527	0.573	0.533	0.528	0.509	0.519	0.534	4.00
23) S	Nitrobenzene-d5	0.320	0.317	0.349	0.349	0.360	0.358	0.378	0.347	6.31
24)	Nitrobenzene	0.326	0.346	0.391	0.393	0.403	0.401	0.423	0.384	8.99
25)	Isophorone	0.871	0.843	0.910	0.859	0.833	0.802	0.819	0.848	4.24
26) C	2-Nitrophenol	0.110	0.103	0.115	0.122	0.135	0.138	0.153	0.125	14.12
27)	2,4-Dimethylph...	0.298	0.307	0.319	0.305	0.300	0.287	0.296	0.302	3.37
28)	bis(2-Chloroet...	0.485	0.472	0.511	0.481	0.471	0.450	0.463	0.476	4.05
29) C	2,4-Dichloroph...	0.311	0.297	0.333	0.316	0.311	0.306	0.313	0.313	3.52
30)	1,2,4-Trichlor...	0.347	0.350	0.369	0.345	0.341	0.329	0.343	0.346	3.49
31)	Naphthalene	1.121	1.115	1.169	1.063	1.039	0.993	1.005	1.072	6.08
32)	Benzoic acid		0.096	0.140	0.171	0.185	0.193	0.197	0.163	23.85
33)	4-Chloroaniline	0.508	0.473	0.506	0.481	0.467	0.454	0.465	0.479	4.32
34) C	Hexachlorobuta...	0.205	0.196	0.218	0.200	0.200	0.194	0.202	0.202	3.84
35)	Caprolactam	0.122	0.113	0.128	0.121	0.120	0.112	0.114	0.119	4.83
36) C	4-Chloro-3-met...	0.362	0.342	0.376	0.362	0.357	0.344	0.350	0.356	3.34
37)	2-Methylnaphth...	0.791	0.773	0.821	0.768	0.745	0.714	0.724	0.762	4.93
38)	1-Methylnaphth...	0.754	0.718	0.776	0.723	0.710	0.675	0.680	0.719	5.06

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.570	0.557	0.601	0.549	0.566	0.544	0.561	0.564	3.31	
41) P	Hexachlorocycl...	0.317	0.320	0.346	0.330	0.346	0.334	0.349	0.335	3.84	
42) S	2,4,6-Tribromo...	0.172	0.167	0.194	0.190	0.194	0.189	0.194	0.186	6.04	
43) C	2,4,6-Trichlor...	0.373	0.360	0.398	0.378	0.392	0.377	0.391	0.381	3.48	
44)	2,4,5-Trichlor...	0.428	0.394	0.449	0.430	0.442	0.435	0.439	0.431	4.17	
45) S	2-Fluorobiphenyl	1.413	1.355	1.417	1.236	1.237	1.166	1.150	1.282	8.77	
46)	1,1'-Biphenyl	1.560	1.518	1.626	1.468	1.502	1.424	1.433	1.505	4.78	
47)	2-Chloronaphth...	1.252	1.212	1.264	1.155	1.169	1.119	1.138	1.187	4.76	
48)	2-Nitroaniline	0.239	0.215	0.276	0.315	0.345			0.278	19.25	
49)	Acenaphthylene	2.047	1.979	2.088	1.874	1.864	1.776	1.779	1.915	6.52	
50)	Dimethylphthalate	1.641	1.513	1.631	1.468	1.467	1.386	1.401	1.501	6.77	
51)	2,6-Dinitrotol...	0.190	0.178	0.228	0.251	0.275	0.276		0.233	18.02	
52) C	Acenaphthene	1.253	1.178	1.286	1.191	1.213	1.150	1.185	1.208	3.89	
53)	3-Nitroaniline	0.233	0.228	0.281	0.319	0.336	0.334		0.289	17.04	
54) P	2,4-Dinitrophenol		0.056	0.072	0.087	0.095	0.100		0.082	21.76	
55)	Dibenzofuran	1.928	1.832	1.928	1.724	1.716	1.631	1.637	1.771	7.14	
56) P	4-Nitrophenol		0.182	0.229	0.245	0.262	0.264	0.286	0.245	14.86	
57)	2,4-Dinitrotol...	0.204	0.217	0.274	0.324	0.352	0.355		0.288	23.11	
58)	Fluorene	1.610	1.493	1.580	1.424	1.405	1.330	1.328	1.453	7.76	
59)	2,3,4,6-Tetrac...	0.317	0.301	0.344	0.337	0.347	0.339	0.344	0.333	5.14	
60)	Diethylphthalate	1.757	1.577	1.710	1.538	1.516	1.452	1.467	1.574	7.48	
61)	4-Chlorophenyl...	0.801	0.724	0.771	0.702	0.710	0.673	0.680	0.723	6.52	
62)	4-Nitroaniline	0.260	0.249	0.305	0.320	0.340	0.338	0.360	0.310	13.56	
63)	Azobenzene	1.816	1.715	1.809	1.653	1.659	1.578	1.596	1.689	5.63	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.038	0.052	0.061	0.069	0.074		0.059		24.49	
66) c	n-Nitrosodiphe...	0.681	0.623	0.652	0.622	0.606	0.580	0.574	0.620	6.17	
67)	4-Bromophenyl-...	0.234	0.215	0.233	0.229	0.223	0.213	0.216	0.223	4.01	
68)	Hexachlorobenzene	0.245	0.223	0.232	0.223	0.220	0.213	0.214	0.224	5.04	
69)	Atrazine	0.189	0.207	0.214	0.187	0.178	0.159	0.148	0.183	13.01	
70) C	Pentachlorophenol	0.109	0.109	0.126	0.134	0.133	0.131	0.131	0.125	8.77	
71)	Phenanthrene	1.168	1.095	1.142	1.059	1.019	0.969	0.949	1.057	7.89	
72)	Anthracene	1.186	1.124	1.167	1.069	1.027	0.979	0.960	1.073	8.34	
73)	Carbazole	1.200	1.114	1.166	1.078	1.031	0.972	0.969	1.076	8.42	
74)	Di-n-butylphth...	1.528	1.405	1.434	1.274	1.215	1.131	1.111	1.300	12.29	
75) C	Fluoranthene	1.424	1.307	1.303	1.207	1.148	1.090	1.078	1.222	10.48	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.539	0.629	0.639	0.576	0.564	0.535	0.521	0.572	8.07	
78)	Pyrene	1.506	1.371	1.508	1.368	1.333	1.261	1.209	1.365	8.29	
79) S	Terphenyl-d14	1.093	0.979	1.006	0.875	0.836	0.775	0.727	0.899	14.71	
80)	Butylbenzylphth...	0.642	0.629	0.688	0.659	0.647	0.623	0.628	0.645	3.51	
81)	Benzo(a)anthra...	1.467	1.355	1.416	1.288	1.268	1.209	1.201	1.315	7.72	
82)	3,3'-Dichlorob...	0.515	0.495	0.517	0.482	0.477	0.462	0.453	0.486	5.05	
83)	Chrysene	1.406	1.270	1.346	1.241	1.206	1.159	1.142	1.253	7.68	
84)	Bis(2-ethylhex...	1.044	0.943	1.012	0.922	0.909	0.865	0.861	0.936	7.44	
85) c	Di-n-octyl pht...	1.821	1.583	1.766	1.615	1.587	1.522	1.481	1.625	7.64	

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.649	1.366	1.464	1.489	1.453	1.391	1.430	1.463		6.30
88)	Benzo(b)fluora...	1.475	1.251	1.324	1.286	1.216	1.177	1.158	1.270		8.50
89)	Benzo(k)fluora...	1.354	1.184	1.253	1.225	1.181	1.098	1.109	1.200		7.33
90) C	Benzo(a)pyrene	1.356	1.161	1.252	1.203	1.167	1.112	1.105	1.194		7.35
91)	Dibenzo(a,h)an...	1.369	1.134	1.191	1.186	1.156	1.101	1.125	1.180		7.58
92)	Benzo(g,h,i)pe...	1.381	1.109	1.186	1.200	1.174	1.118	1.145	1.188		7.74

(#) = Out of Range