

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF052820.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

10 =BF120397.D 20 =BF120398.D 40 =BF120399.D 50 =BF120400.D 60 =BF120401.D 80 =BF120402.D 100 =BF120403.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.544	0.627	0.540	0.487	0.493	0.485	0.463	0.520	10.72
3)	Pyridine	1.486	1.706	1.505	1.335	1.371	1.362	1.313	1.440	9.62
4)	n-Nitrosodimet...	0.618	0.707	0.633	0.568	0.588	0.588	0.563	0.609	8.22
5) S	2-Fluorophenol	1.217	1.319	1.098	0.969	0.971	0.910	0.862	1.049	16.05
6)	Aniline	1.973	2.208	1.903	1.672	1.690	1.644	1.536	1.804	13.00
7) S	Phenol-d6	1.496	1.634	1.368	1.185	1.192	1.132	1.047	1.294	16.44
8)	2-Chlorophenol	1.364	1.490	1.258	1.098	1.100	1.023	0.951	1.183	16.41
9)	Benzaldehyde	0.997	0.808	0.809	0.679	0.648			0.788	17.46
10) C	Phenol	1.646	1.739	1.534	1.317	1.306	1.223	1.136	1.415	16.03
11)	bis(2-Chloroet...	1.341	1.468	1.251	1.087	1.097	1.046	0.984	1.182	14.88
12)	1,3-Dichlorobe...	1.493	1.616	1.376	1.211	1.204	1.136	1.065	1.300	15.46
13) C	1,4-Dichlorobe...	1.492	1.632	1.371	1.206	1.195	1.130	1.054	1.297	16.08
14)	1,2-Dichlorobe...	1.439	1.538	1.274	1.119	1.098	1.007	0.910	1.198	19.14
15)	Benzyl Alcohol	1.079	1.209	1.048	0.924	0.915	0.859	0.792	0.975	14.75
16)	2,2'-oxybis(1-...	2.109	2.283	1.965	1.728	1.741	1.666	1.553	1.864	14.12
17)	2-Methylphenol	1.175	1.295	1.109	0.972	0.993	0.961	0.901	1.058	13.24
18)	Hexachloroethane	0.524	0.586	0.499	0.445	0.442	0.425	0.401	0.475	13.66
19) P	n-Nitroso-di-n...	0.926	0.993	0.864	0.752	0.764	0.749	0.707	0.822	13.02
20)	3+4-Methylphenols	1.523	1.636	1.310	1.120	1.094			1.337	17.98
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.488	0.523	0.418	0.378	0.366	0.346	0.325	0.406	18.34
23) S	Nitrobenzene-d5	0.328	0.371	0.316	0.291	0.289	0.279	0.266	0.306	11.74
24)	Nitrobenzene	0.356	0.402	0.342	0.314	0.309	0.297	0.286	0.329	12.29
25)	Isophorone	0.661	0.736	0.625	0.570	0.578	0.574	0.557	0.615	10.57
26) C	2-Nitrophenol	0.130	0.168	0.157	0.145	0.148	0.149	0.142	0.148	8.00
27)	2,4-Dimethylph...	0.274	0.309	0.257	0.249	0.241	0.243	0.232	0.258	10.24
28)	bis(2-Chloroet...	0.411	0.460	0.380	0.344	0.346	0.334	0.317	0.370	13.61
29) C	2,4-Dichloroph...	0.282	0.318	0.271	0.246	0.244	0.237	0.225	0.260	12.35
30)	1,2,4-Trichlor...	0.327	0.366	0.303	0.277	0.273	0.257	0.244	0.292	14.58
31)	Naphthalene	1.045	1.124	0.907	0.826	0.798	0.750	0.699	0.878	17.82
32)	Benzoic acid	0.143	0.209	0.161	0.194	0.208	0.215	0.210	0.191	14.71
33)	4-Chloroaniline	0.432	0.481	0.401	0.360	0.358	0.352	0.342	0.389	13.25
34) C	Hexachlorobuta...	0.197	0.217	0.179	0.165	0.160	0.152	0.143	0.173	15.18
35)	Caprolactam	0.086	0.099	0.087	0.077	0.081	0.082	0.078	0.084	8.84
36) C	4-Chloro-3-met...	0.283	0.321	0.274	0.249	0.249	0.242	0.232	0.264	11.58
37)	2-Methylnaphth...	0.682	0.746	0.604	0.544	0.529	0.500	0.468	0.582	17.36
38)	1-Methylnaphth...	0.644	0.702	0.569	0.514	0.503	0.475	0.439	0.549	17.25

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.599	0.649	0.528	0.487	0.476	0.439	0.411	0.513	16.69	
41) P	Hexachlorocycl...	0.285	0.339	0.301	0.281	0.274	0.268	0.255	0.286	9.58	
42) S	2,4,6-Tribromo...	0.206	0.230	0.194	0.176	0.175	0.164	0.152	0.185	14.43	
43) C	2,4,6-Trichlor...	0.387	0.446	0.383	0.358	0.353	0.337	0.332	0.371	10.50	
44)	2,4,5-Trichlor...	0.460	0.515	0.432	0.397	0.400	0.384	0.356	0.420	12.75	
45) S	2-Fluorobiphenyl	1.393	1.440	1.103	1.002	0.955			1.179	19.03	
46)	1,1'-Biphenyl	1.551	1.696	1.366	1.256	1.203	1.108	1.017	1.314	18.41	
47)	2-Chloronaphth...	1.254	1.385	1.119	1.032	0.998	0.927	0.859	1.082	17.12	
48)	2-Nitroaniline	0.322	0.383	0.343	0.318	0.324	0.315	0.302	0.330	8.09	
49)	Acenaphthylene	1.942	2.131	1.735	1.592	1.549	1.425	1.329	1.672	17.05	
50)	Dimethylphthalate	1.424	1.560	1.278	1.162	1.163	1.104	1.061	1.250	14.58	
51)	2,6-Dinitrotol...	0.278	0.329	0.290	0.266	0.270	0.261	0.252	0.278	9.19	
52) C	Acenaphthene	1.198	1.304	1.082	0.992	0.970	0.907	0.851	1.043	15.53	
53)	3-Nitroaniline	0.333	0.383	0.342	0.314	0.317	0.306	0.290	0.326	9.29	
54) P	2,4-Dinitrophenol	0.046	0.082	0.098	0.095	0.108	0.115	0.114	0.094	25.63	
55)	Dibenzofuran	1.806	1.961	1.564	1.432	1.388	1.282	1.181	1.516	18.56	
56) P	4-Nitrophenol	0.227	0.285	0.262	0.241	0.251	0.249	0.233	0.250	7.81	
57)	2,4-Dinitrotol...	0.338	0.414	0.372	0.346	0.354	0.346	0.320	0.356	8.48	
58)	Fluorene	1.375	1.441	1.131	1.010	0.985	0.885		1.138	19.73	
59)	2,3,4,6-Tetrac...	0.352	0.399	0.348	0.310	0.313	0.294	0.278	0.328	12.56	
60)	Diethylphthalate	1.445	1.566	1.310	1.188	1.183	1.111	1.040	1.264	14.88	
61)	4-Chlorophenyl...	0.713	0.751	0.585	0.532	0.503			0.617	17.82	
62)	4-Nitroaniline	0.307	0.358	0.322	0.289	0.304	0.297	0.280	0.308	8.27	
63)	Azobenzene	1.367	1.506	1.228	1.124	1.101	1.033	0.961	1.188	16.19	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.046	0.068	0.075	0.073	0.081	0.084	0.084	0.073	18.22	
66) c	n-Nitrosodiphe...	0.635	0.691	0.569	0.527	0.521	0.484	0.463	0.556	14.78	
67)	4-Bromophenyl-...	0.227	0.252	0.208	0.192	0.188	0.177	0.169	0.202	14.47	
68)	Hexachlorobenzene	0.246	0.266	0.221	0.203	0.201	0.191	0.177	0.215	14.53	
69)	Atrazine	0.182	0.187	0.164	0.148	0.150	0.136	0.128	0.157	14.28	
70) C	Pentachlorophenol	0.121	0.152	0.140	0.129	0.131	0.127	0.120	0.131	8.58	
71)	Phenanthrene	1.052	1.135	0.902	0.830	0.814	0.736	0.700	0.881	18.24	
72)	Anthracene	1.052	1.134	0.918	0.832	0.816	0.740	0.697	0.884	18.17	
73)	Carbazole	1.001	1.078	0.892	0.807	0.794	0.737	0.677	0.855	16.83	
74)	Di-n-butylphth...	1.175	1.288	1.042	0.942	0.916	0.828	0.773	0.995	18.64	
75) C	Fluoranthene	1.122	1.202	0.986	0.893	0.878	0.817	0.740	0.948	17.48	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.587	0.599	0.567	0.622	0.494	0.399	0.410	0.525	17.50	
78)	Pyrene	1.502	1.700	1.406	1.345	1.292	1.273	1.218	1.391	11.89	
79) S	Terphenyl-d14	1.099	1.175	0.896	0.844	0.789	0.760	0.728	0.899	19.25	
80)	Butylbenzylpht...	0.563	0.676	0.595	0.564	0.560	0.563	0.542	0.581	7.75	
81)	Benzo(a)anthra...	1.238	1.359	1.103	1.014	0.972	0.934	0.884	1.072	16.10	
82)	3,3'-Dichlorob...	0.404	0.464	0.414	0.385	0.371	0.353	0.332	0.389	11.18	
83)	Chrysene	1.244	1.403	1.146	1.068	1.050	1.008	0.947	1.124	13.88	
84)	Bis(2-ethylhex...	0.756	0.852	0.705	0.654	0.629	0.596	0.580	0.682	14.24	
85) c	Di-n-octyl pht...	1.117	1.394	1.233	1.164	1.146	1.120	1.082	1.179	8.97	

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-----ISTD-----											
86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.033	1.267	1.066	1.081	1.059	1.064	1.088	1.094		7.15
88)	Benzo(b)fluora...	1.205	1.323	1.166	1.038	1.028	1.057	0.959	1.111		11.33
89)	Benzo(k)fluora...	1.110	1.322	1.075	0.980	1.005	0.917	0.850	1.037		14.81
90) C	Benzo(a)pyrene	0.998	1.168	1.007	0.916	0.936	0.916	0.860	0.972		10.33
91)	Dibenzo(a,h)an...	0.866	1.060	0.879	0.885	0.855	0.849	0.848	0.892		8.49
92)	Benzo(g,h,i)pe...	0.807	0.990	0.846	0.877	0.856	0.874	0.907	0.880		6.55

(#) = Out of Range