

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF041819.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 =BF113809.D 20 =BF113810.D 40 =BF113811.D 50 =BF113812.D 60 =BF113813.D 80 =BF113814.D 100 =BF113815.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.620	0.611	0.596	0.590	0.605	0.585	0.582	0.599	2.36
3)	Pyridine	1.738	1.679	1.629	1.630	1.653	1.602	1.596	1.647	3.00
4)	n-Nitrosodimet...	0.579	0.573	0.577	0.571	0.578	0.571	0.575	0.575	0.60
5) S	2-Fluorophenol	1.344	1.286	1.223	1.183	1.169	1.115	1.098	1.203	7.40
6)	Aniline	2.259	2.208	2.153	2.093	2.120	2.045	2.022	2.129	4.00
7) S	Phenol-d6	1.683	1.615	1.527	1.464	1.469	1.384	1.356	1.500	7.89
8)	2-Chlorophenol	1.482	1.440	1.386	1.340	1.334	1.257	1.211	1.350	7.10
9)	Benzaldehyde	1.227	1.080	0.875	0.792	0.745	0.631		0.892	24.96
10) C	Phenol	1.865	1.793	1.708	1.633	1.678	1.569	1.525	1.681	7.14
11)	bis(2-Chloroet...	1.498	1.445	1.381	1.350	1.346	1.280	1.256	1.365	6.26
12)	1,3-Dichlorobe...	1.684	1.604	1.525	1.476	1.477	1.389	1.345	1.500	7.83
13) C	1,4-Dichlorobe...	1.690	1.620	1.521	1.479	1.469	1.380	1.344	1.501	8.21
14)	1,2-Dichlorobe...	1.591	1.537	1.413	1.369	1.351	1.237	1.181	1.383	10.70
15)	Benzyl Alcohol	1.292	1.284	1.239	1.209	1.215	1.147	1.121	1.215	5.29
16)	2,2'-oxybis(1-...	1.833	1.753	1.671	1.640	1.628	1.552	1.513	1.656	6.66
17)	2-Methylphenol	1.196	1.145	1.107	1.083	1.098	1.049	1.040	1.103	4.94
18)	Hexachloroethane	0.579	0.560	0.543	0.537	0.536	0.512	0.500	0.538	4.95
19) P	n-Nitroso-di-n...	1.116	1.058	0.998	0.973	0.985	0.944	0.933	1.001	6.47
20)	3+4-Methylphenols	1.543	1.474	1.362	1.302	1.288	1.181	1.123	1.325	11.30
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.531	0.496	0.463	0.449	0.439	0.416	0.396	0.456	10.14
23) S	Nitrobenzene-d5	0.320	0.333	0.335	0.336	0.334	0.325	0.317	0.328	2.33
24)	Nitrobenzene	0.375	0.380	0.377	0.374	0.374	0.359	0.344	0.369	3.50
25)	Isophorone	0.748	0.695	0.676	0.671	0.669	0.658	0.643	0.680	4.98
26) C	2-Nitrophenol	0.111	0.131	0.148	0.155	0.160	0.161	0.161	0.147	12.91
27)	2,4-Dimethylph...	0.307	0.292	0.284	0.279	0.273	0.266	0.259	0.280	5.74
28)	bis(2-Chloroet...	0.484	0.455	0.434	0.431	0.423	0.406	0.392	0.432	7.04
29) C	2,4-Dichloroph...	0.318	0.312	0.303	0.300	0.297	0.285	0.275	0.298	4.93
30)	1,2,4-Trichlor...	0.365	0.351	0.335	0.331	0.325	0.312	0.300	0.331	6.69
31)	Naphthalene	1.120	1.047	0.969	0.937	0.903	0.853	0.793	0.946	11.83
32)	Benzoic acid	0.131	0.140	0.171	0.181	0.197	0.191	0.202	0.173	16.14
33)	4-Chloroaniline	0.449	0.427	0.404	0.398	0.389	0.379	0.364	0.401	7.17
34) C	Hexachlorobuta...	0.224	0.214	0.206	0.202	0.197	0.191	0.182	0.202	7.00
35)	Caprolactam	0.100	0.098	0.097	0.097	0.096	0.093	0.093	0.096	2.59
36) C	4-Chloro-3-met...	0.322	0.309	0.299	0.294	0.290	0.283	0.273	0.296	5.48
37)	2-Methylnaphth...	0.732	0.686	0.639	0.623	0.606	0.570	0.536	0.628	10.59
38)	1-Methylnaphth...	0.711	0.665	0.623	0.604	0.587	0.553	0.520	0.609	10.61

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.725	0.689	0.644	0.630	0.619	0.580	0.555	0.635	9.28	
41) P	Hexachlorocycl...	0.358	0.362	0.356	0.352	0.351	0.339	0.324	0.349	3.76	
42) S	2,4,6-Tribromo...	0.240	0.237	0.226	0.222	0.222	0.204	0.195	0.221	7.51	
43) C	2,4,6-Trichlor...	0.417	0.416	0.407	0.412	0.412	0.398	0.398	0.409	1.91	
44)	2,4,5-Trichlor...	0.458	0.464	0.449	0.439	0.438	0.428	0.410	0.441	4.17	
45) S	2-Fluorobiphenyl	1.548	1.430	1.251	1.185	1.142			1.311	13.12	
46)	1,1'-Biphenyl	1.797	1.684	1.545	1.485	1.456	1.356	1.270	1.513	12.02	
47)	2-Chloronaphth...	1.405	1.356	1.255	1.223	1.207	1.139	1.087	1.239	9.09	
48)	2-Nitroaniline	0.265	0.306	0.331	0.335	0.342	0.341	0.337	0.322	8.64	
49)	Acenaphthylene	2.273	2.173	1.980	1.891	1.858	1.741	1.648	1.938	11.56	
50)	Dimethylphthalate	1.593	1.515	1.423	1.376	1.366	1.282	1.242	1.400	8.82	
51)	2,6-Dinitrotol...	0.277	0.310	0.313	0.316	0.325	0.311	0.311	0.309	4.88	
52) C	Acenaphthene	1.310	1.250	1.147	1.114	1.098	1.039	0.998	1.137	9.76	
53)	3-Nitroaniline	0.303	0.332	0.333	0.338	0.336	0.325	0.322	0.327	3.65	
54) P	2,4-Dinitrophenol	0.054	0.072	0.090	0.100	0.109	0.115	0.118	0.094	25.36	
55)	Dibenzofuran	2.016	1.887	1.736	1.671	1.652	1.510	1.446	1.703	11.74	
56) P	4-Nitrophenol	0.238	0.266	0.274	0.273	0.278	0.268	0.267	0.266	4.96	
57)	2,4-Dinitrotol...	0.313	0.367	0.392	0.397	0.410	0.404	0.400	0.383	8.84	
58)	Fluorene	1.562	1.445	1.284	1.232	1.217	1.106	1.046	1.270	14.29	
59)	2,3,4,6-Tetrac...	0.395	0.391	0.383	0.378	0.379	0.361	0.347	0.376	4.55	
60)	Diethylphthalate	1.535	1.446	1.352	1.326	1.311	1.234	1.186	1.341	8.88	
61)	4-Chlorophenyl...	0.780	0.736	0.667	0.637	0.629	0.566	0.536	0.650	13.35	
62)	4-Nitroaniline	0.302	0.314	0.315	0.317	0.325	0.315	0.315	0.315	2.09	
63)	Azobenzene	1.607	1.521	1.405	1.355	1.332	1.247	1.182	1.378	10.74	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.047	0.061	0.076	0.081	0.086	0.089	0.091	0.076	21.28	
66) c	n-Nitrosodiphe...	0.696	0.652	0.611	0.599	0.586	0.564	0.537	0.606	8.82	
67)	4-Bromophenyl-...	0.260	0.250	0.239	0.232	0.229	0.221	0.213	0.235	6.95	
68)	Hexachlorobenzene	0.288	0.274	0.263	0.257	0.253	0.240	0.233	0.258	7.40	
69)	Atrazine	0.224	0.211	0.195	0.187	0.183	0.164	0.149	0.188	13.64	
70) C	Pentachlorophenol	0.143	0.147	0.148	0.149	0.150	0.145	0.142	0.146	2.03	
71)	Phenanthrene	1.219	1.130	1.040	1.004	0.975	0.901	0.862	1.019	12.25	
72)	Anthracene	1.242	1.145	1.046	1.003	0.981	0.913	0.855	1.026	12.92	
73)	Carbazole	1.111	1.042	0.952	0.910	0.898	0.831	0.780	0.932	12.34	
74)	Di-n-butylphth...	1.252	1.151	1.063	1.031	0.996	0.919	0.848	1.037	13.15	
75) C	Fluoranthene	1.316	1.221	1.115	1.050	1.024	0.947	0.885	1.080	13.99	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.730	0.674	0.642	0.546	0.480	0.401		0.579	21.65	
78)	Pyrene	1.457	1.404	1.387	1.415	1.390	1.391	1.422	1.410	1.75	
79) S	Terphenyl-d14	1.112	1.013	0.946	0.947	0.918	0.875	0.865	0.954	8.95	
80)	Butylbenzylphth...	0.495	0.495	0.516	0.531	0.536	0.540	0.542	0.522	3.95	
81)	Benzo(a)anthra...	1.324	1.259	1.178	1.148	1.134	1.083	1.057	1.169	8.11	
82)	3,3'-Dichlorob...	0.489	0.475	0.437	0.414	0.397	0.357	0.339	0.416	13.58	
83)	Chrysene	1.298	1.230	1.170	1.162	1.121	1.083	1.059	1.160	7.19	
84)	Bis(2-ethylhex...	0.692	0.641	0.622	0.621	0.615	0.595	0.587	0.625	5.53	
85) c	Di-n-octyl pht...	1.028	1.010	0.977	0.960	0.972	0.917	0.921	0.969	4.27	
86)	Indeno(1,2,3-c...	0.916	0.840	0.851	0.940	1.023	1.114		0.947	11.10	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.322	1.298	1.298	1.257	1.216	1.212	1.126	1.247	5.47
89)	Benzo(k)fluora...	1.254	1.262	1.175	1.152	1.134	0.993	0.979	1.136	9.95
90) C	Benzo(a)pyrene	1.166	1.146	1.111	1.106	1.094	1.058	1.036	1.102	4.11
91)	Dibenzo(a,h)an...	0.894	0.844	0.918	1.023	1.047	1.067	1.074	0.981	9.54
92)	Benzo(g,h,i)pe...	0.840	0.796	0.905	1.054	1.082	1.134	1.169	0.997	14.91

(#) = Out of Range