

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF051021.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon May 10 16:46:01 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF123882.D 10 =BF123883.D 20 =BF123884.D 40 =BF123885.D 50 =BF123886.D 60 =BF123887.D 80 =BF123888.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.937	0.875	0.657	0.651	0.546	0.562	0.540	0.681	23.76
3)	Pyridine	1.592	2.023	1.532	1.382	1.248	1.270	1.202	1.464	19.58
4)	n-Nitrosodimet...	1.326	1.473	1.168	1.107	0.968	0.992	0.985	1.146	16.82
5) S	2-Fluorophenol	1.558	1.860	1.369	1.253	1.252	1.168	1.127	1.369	18.92
6)	Aniline	2.345	2.212	2.076	1.907	1.869	1.790	1.731	1.990	11.44
7) S	Phenol-d6	2.137	2.054	1.927	1.737	1.704	1.627	1.608	1.828	11.58
8)	2-Chlorophenol	1.671	1.618	1.486	1.359	1.331	1.290	1.252	1.430	11.52
9)	Benzaldehyde		0.986	0.955	0.747	0.759	0.683	0.596	0.788	19.48
10) C	Phenol	2.310	2.162	2.044	1.842	1.803	1.733	1.683	1.940	12.16
11)	bis(2-Chloroet...	1.470	1.485	1.344	1.215	1.230	1.174	1.127	1.292	11.07
12)	1,3-Dichlorobe...	1.842	1.649	1.502	1.386	1.363	1.338	1.280	1.480	13.59
13) C	1,4-Dichlorobe...	1.705	1.683	1.560	1.414	1.379	1.340	1.289	1.481	11.33
14)	1,2-Dichlorobe...	1.687	1.643	1.476	1.339	1.332	1.280	1.240	1.428	12.46
15)	Benzyl Alcohol	1.623	1.677	1.564	1.434	1.384	1.342	1.326	1.479	9.57
16)	2,2'-oxybis(1-...	3.546	3.231	3.045	2.634	2.644	2.500	2.408	2.858	14.81
17)	2-Methylphenol	1.376	1.366	1.229	1.142	1.137	1.073	1.050	1.196	11.08
18)	Hexachloroethane	0.747	0.671	0.623	0.584	0.540	0.542	0.550	0.608	12.84
19) P	n-Nitroso-di-n...	1.296	1.211	1.187	1.057	1.027	1.042	1.014	1.119	9.91
20)	3+4-Methylphenols	1.829	1.767	1.574	1.497	1.449	1.443	1.428	1.570	10.48
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.700	0.663	0.622	0.589	0.534	0.557	0.474	0.591	13.10
23) S	Nitrobenzene-d5	0.548	0.558	0.504	0.477	0.440	0.460	0.387	0.482	12.56
24)	Nitrobenzene	0.566	0.567	0.520	0.484	0.446	0.459	0.403	0.492	12.60
25)	Isophorone	0.944	0.917	0.865	0.796	0.736	0.783	0.764	0.829	9.64
26) C	2-Nitrophenol	0.199	0.214	0.209	0.198	0.179	0.192	0.187	0.197	6.08
27)	2,4-Dimethylph...	0.365	0.325	0.315	0.286	0.264	0.288	0.274	0.302	11.54
28)	bis(2-Chloroet...	0.449	0.443	0.421	0.383	0.371	0.380	0.357	0.401	9.16
29) C	2,4-Dichloroph...	0.322	0.334	0.326	0.303	0.300	0.297	0.275	0.308	6.62
30)	1,2,4-Trichlor...	0.365	0.361	0.349	0.317	0.317	0.313	0.290	0.330	8.53
31)	Naphthalene	1.266	1.227	1.165	1.071	1.045	1.038	0.935	1.107	10.60
32)	Benzoic acid	0.150	0.160	0.165	0.155	0.185	0.181	0.190	0.169	9.32
33)	4-Chloroaniline	0.501	0.496	0.475	0.422	0.429	0.421	0.376	0.446	10.31
34) C	Hexachlorobuta...	0.251	0.243	0.239	0.210	0.213	0.208	0.187	0.222	10.40
35)	Caprolactam	0.104	0.109	0.103	0.091	0.095	0.106	0.091	0.100	7.58
36) C	4-Chloro-3-met...	0.435	0.428	0.384	0.378	0.367	0.421	0.351	0.395	8.29
37)	2-Methylnaphth...	0.831	0.777	0.711	0.693	0.690	0.773	0.544	0.717	12.84
38)	1-Methylnaphth...	0.776	0.756	0.674	0.646	0.648	0.731	0.609	0.691	9.14

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.781	0.756	0.697	0.616	0.524	0.660	0.769	0.686	13.67
41) P	Hexachlorocycl...	0.132	0.177	0.196	0.185	0.256	0.306	0.209		29.79
42) S	2,4,6-Tribromo...	0.322	0.326	0.311	0.282	0.225	0.306	0.288	0.295	11.72
43) C	2,4,6-Trichlor...	0.497	0.484	0.464	0.408	0.398	0.477	0.534	0.466	10.32
44)	2,4,5-Trichlor...	0.523	0.497	0.488	0.417	0.347	0.511	0.487	0.467	13.45
45) S	2-Fluorobiphenyl	1.872	1.777	1.651	1.454	1.159	1.621	1.685	1.603	14.67
46)	1,1'-Biphenyl	2.024	1.961	1.820	1.601	1.259	1.844	1.935	1.778	14.97
47)	2-Chloronaphth...	1.524	1.532	1.385	1.188	0.953	1.361	1.538	1.354	16.04
48)	2-Nitroaniline	0.611	0.649	0.608	0.546	0.440	0.669	0.623	0.592	13.05
49)	Acenaphthylene	2.407	2.468	2.270	1.948	1.764	2.296	2.003	2.165	12.11
50)	Dimethylphthalate	1.697	1.652	1.521	1.349	1.086	1.602	1.717	1.518	15.02
51)	2,6-Dinitrotol...	0.401	0.357	0.350	0.306	0.256	0.374	0.350	0.342	13.92
52) C	Acenaphthene	1.467	1.488	1.328	1.176	1.183	1.372	1.182	1.314	10.35
53)	3-Nitroaniline	0.429	0.436	0.403	0.355	0.368	0.354	0.367	0.387	8.98
54) P	2,4-Dinitrophenol	0.122	0.145	0.167	0.173	0.152	0.192	0.196	0.164	16.07
55)	Dibenzofuran	2.313	2.233	2.077	1.826	1.799	2.096	1.799	2.020	10.62
56) P	4-Nitrophenol	0.269	0.261	0.266	0.254	0.270	0.302	0.257	0.268	5.95
57)	2,4-Dinitrotol...	0.506	0.492	0.477	0.424	0.443	0.509	0.446	0.471	7.14
58)	Fluorene	1.771	1.734	1.698	1.467	1.412	1.546	1.467	1.585	9.26
59)	2,3,4,6-Tetrac...	0.392	0.406	0.410	0.343	0.333	0.413	0.368	0.381	8.66
60)	Diethylphthalate	1.753	1.748	1.634	1.460	1.223	1.690	1.452	1.566	12.51
61)	4-Chlorophenyl...	0.824	0.828	0.790	0.676	0.647	0.793	0.671	0.747	10.55
62)	4-Nitroaniline	0.446	0.429	0.429	0.363	0.358	0.424	0.364	0.402	9.55
63)	Azobenzene	2.006	1.995	1.843	1.648	1.289	1.827	1.606	1.745	14.49
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.117	0.122	0.098	0.126	0.125	0.131	0.135	0.122	9.88
66) c	n-Nitrosodiphe...	0.783	0.769	0.508	0.633	0.679	0.622	0.648	0.663	14.15
67)	4-Bromophenyl-...	0.251	0.259	0.182	0.215	0.176	0.205	0.211	0.214	14.74
68)	Hexachlorobenzene	0.320	0.299	0.217	0.258	0.213	0.236	0.254	0.257	15.77
69)	Atrazine	0.227	0.220	0.178	0.188	0.161	0.179	0.183	0.191	12.53
70) C	Pentachlorophenol	0.098	0.106	0.107	0.116	0.106	0.126	0.126	0.112	9.50
71)	Phenanthrene	1.264	1.281	1.210	1.096	1.073	1.016	1.051	1.142	9.45
72)	Anthracene	1.281	1.247	1.206	1.080	1.054	1.036	1.051	1.136	9.19
73)	Carbazole	1.309	1.303	1.227	1.081	1.063	0.771	1.028	1.112	17.04
74)	Di-n-butylphth...	1.333	1.256	1.213	1.148	1.176	0.996	1.090	1.173	9.38
75) C	Fluoranthene	1.421	1.370	1.323	1.304	1.304	1.156	1.126	1.286	8.39
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.409	0.378	0.415	0.387	0.507		0.419		12.27
78)	Pyrene	1.681	1.738	1.716	1.330	2.262	1.872	1.715	1.759	15.75
79) S	Terphenyl-d14	1.266	1.227	1.167	0.933	1.298	1.458	1.218	1.224	12.93
80)	Butylbenzylpht...	0.661	0.621	0.624	0.535	0.620	0.664	0.620	0.621	6.88
81)	Benzo(a)anthra...	1.533	1.441	1.380	1.215	1.233	1.285	1.220	1.330	9.36
82)	3,3'-Dichlorob...	0.449	0.412	0.407	0.342	0.347	0.339	0.345	0.377	11.75
83)	Chrysene	1.404	1.410	1.368	1.211	1.208	1.214	1.156	1.282	8.39
84)	Bis(2-ethylhex...	0.833	0.730	0.753	0.680	0.710	0.754	0.717	0.739	6.55
85) c	Di-n-octyl pht...	1.158	1.026	1.056	1.045	0.959	0.942	0.969	1.022	7.30

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.959	1.281	0.945	1.339	1.525	1.491		1.423	23.47	
88)	Benzo(b)fluora...	1.543	1.630	1.443	1.342	1.228	1.276	1.183	1.378	12.12	
89)	Benzo(k)fluora...	1.437	1.505	1.383	1.147	1.061	1.185	1.179	1.271	13.26	
90) C	Benzo(a)pyrene	1.307	1.338	1.266	1.136	1.134	1.140	1.096	1.202	8.15	
91)	Dibenzo(a,h)an...	1.571	1.070	0.802	1.126	1.263	1.259	1.216	1.187	19.59	
92)	Benzo(g,h,i)pe...	1.588	1.100	1.112	1.186	1.318	1.284	1.228	1.260	13.18	

(#) = Out of Range