

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF081821.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Aug 18 17:03:50 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF125084.D 10 =BF125085.D 20 =BF125086.D 40 =BF125087.D 50 =BF125088.D 60 =BF125089.D 80 =BF125090.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.665	0.761	0.679	0.668	0.603	0.619	0.569	0.652	9.60
3)	Pyridine	1.797	2.011	1.768	1.802	1.575	1.597	1.499	1.721	10.18
4)	n-Nitrosodimet...	0.892	0.991	0.880	0.911	0.794	0.801	0.759	0.861	9.38
5) S	2-Fluorophenol	1.537	1.632	1.400	1.306	1.161	1.164	1.050	1.321	16.16
6)	Aniline	2.269	2.411	2.062	2.086	1.787	1.752	1.684	2.007	13.79
7) S	Phenol-d6	2.033	2.134	1.803	1.726	1.496	1.447	1.324	1.709	17.83
8)	2-Chlorophenol	1.513	1.683	1.422	1.367	1.202	1.182	1.067	1.348	15.83
9)	Benzaldehyde	1.361	1.485	1.239	1.157	0.993	0.961		1.199	17.12
10) C	Phenol	2.073	2.277	1.897	1.822	1.568	1.519	1.371	1.790	18.08
11)	bis(2-Chloroet...	1.609	1.736	1.492	1.421	1.254	1.230	1.123	1.409	15.66
12)	1,3-Dichlorobe...	1.815	1.952	1.639	1.554	1.373	1.379	1.222	1.562	16.66
13) C	1,4-Dichlorobe...	1.800	1.935	1.634	1.547	1.387	1.363	1.228	1.556	16.24
14)	1,2-Dichlorobe...	1.744	1.877	1.558	1.443	1.274	1.244	1.111	1.464	19.05
15)	Benzyl Alcohol	1.456	1.619	1.364	1.400	1.184	1.133	1.054	1.316	15.22
16)	2,2'-oxybis(1-...	3.193	3.413	2.952	2.921	2.540	2.487	2.281	2.827	14.43
17)	2-Methylphenol	1.279	1.405	1.181	1.169	1.008	0.981	0.903	1.132	15.74
18)	Hexachloroethane	0.599	0.646	0.580	0.550	0.502	0.489	0.451	0.545	12.62
19) P	n-Nitroso-di-n...	1.211	1.293	1.071	1.074	0.905	0.849	0.791	1.028	18.23
20)	3+4-Methylphenols	1.676	1.828	1.514	1.451	1.249	1.200	1.032	1.421	19.68
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.607	0.637	0.538	0.510	0.449	0.449	0.413	0.515	16.43
23) S	Nitrobenzene-d5	0.414	0.463	0.407	0.413	0.365	0.368	0.351	0.397	9.69
24)	Nitrobenzene	0.454	0.496	0.449	0.451	0.401	0.402	0.376	0.433	9.51
25)	Isophorone	0.840	0.903	0.776	0.818	0.691	0.679	0.658	0.766	12.13
26) C	2-Nitrophenol	0.152	0.178	0.178	0.193	0.171	0.173	0.165	0.173	7.43
27)	2,4-Dimethylph...	0.326	0.364	0.306	0.313	0.278	0.273	0.260	0.303	11.85
28)	bis(2-Chloroet...	0.479	0.502	0.431	0.436	0.383	0.379	0.360	0.424	12.58
29) C	2,4-Dichloroph...	0.330	0.363	0.316	0.323	0.284	0.277	0.266	0.309	11.18
30)	1,2,4-Trichlor...	0.375	0.400	0.345	0.339	0.306	0.302	0.288	0.337	12.24
31)	Naphthalene	1.191	1.249	1.064	1.017	0.908	0.903	0.837	1.024	15.09
32)	Benzoic acid	0.158	0.202	0.197	0.256	0.213	0.204	0.207	0.205	13.96
33)	4-Chloroaniline	0.457	0.484	0.410	0.425	0.369	0.354	0.328	0.404	13.98
34) C	Hexachlorobuta...	0.241	0.252	0.217	0.211	0.195	0.199	0.187	0.215	11.34
35)	Caprolactam	0.079	0.088	0.077	0.099	0.076	0.069	0.071	0.080	13.01
36) C	4-Chloro-3-met...	0.331	0.378	0.320	0.343	0.289	0.277	0.267	0.315	12.62
37)	2-Methylnaphth...	0.784	0.838	0.694	0.697	0.602	0.585	0.538	0.677	16.12
38)	1-Methylnaphth...	0.737	0.764	0.652	0.658	0.558	0.546	0.509	0.632	15.51

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\										
Method File : 8270-BF081821.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.720	0.774	0.684	0.628	0.583	0.619	0.566	0.653	11.55
41) P	Hexachlorocycl...	0.322	0.384	0.354	0.338	0.326	0.351	0.328	0.343	6.36
42) S	2,4,6-Tribromo...	0.190	0.229	0.200	0.225	0.187	0.188	0.178	0.200	9.91
43) C	2,4,6-Trichlor...	0.467	0.540	0.467	0.468	0.427	0.439	0.412	0.460	9.04
44)	2,4,5-Trichlor...	0.499	0.557	0.497	0.500	0.447	0.463	0.425	0.484	9.00
45) S	2-Fluorobiphenyl	1.753	1.825	1.526	1.312	1.226	1.269	1.134	1.435	18.84
46)	1,1'-Biphenyl	1.852	1.972	1.689	1.552	1.429	1.468	1.325	1.612	14.61
47)	2-Chloronaphth...	1.446	1.570	1.363	1.287	1.179	1.216	1.111	1.310	12.29
48)	2-Nitroaniline	0.355	0.439	0.403	0.467	0.398	0.396	0.384	0.406	9.04
49)	Acenaphthylene	2.107	2.311	1.960	1.932	1.715	1.756	1.584	1.909	13.02
50)	Dimethylphthalate	1.496	1.658	1.431	1.454	1.256	1.243	1.163	1.386	12.48
51)	2,6-Dinitrotol...	0.280	0.339	0.294	0.341	0.286	0.290	0.273	0.301	9.32
52) C	Acenaphthene	1.279	1.430	1.219	1.209	1.059	1.086	1.003	1.184	12.40
53)	3-Nitroaniline	0.303	0.373	0.316	0.372	0.306	0.310	0.289	0.324	10.47
54) P	2,4-Dinitrophenol	0.089	0.097	0.153	0.124	0.123	0.126	0.119		19.53
55)	Dibenzofuran	1.936	2.083	1.781	1.709	1.509	1.532	1.374	1.703	14.78
56) P	4-Nitrophenol	0.219	0.282	0.253	0.307	0.252	0.246	0.238	0.257	11.40
57)	2,4-Dinitrotol...	0.303	0.399	0.362	0.434	0.357	0.357	0.333	0.364	11.68
58)	Fluorene	1.471	1.560	1.299	1.267	1.105	1.109	1.005	1.259	16.16
59)	2,3,4,6-Tetrac...	0.380	0.415	0.356	0.388	0.329	0.335	0.312	0.359	10.26
60)	Diethylphthalate	1.460	1.625	1.361	1.452	1.219	1.204	1.137	1.351	12.89
61)	4-Chlorophenyl...	0.729	0.781	0.661	0.640	0.560	0.574	0.512	0.637	15.09
62)	4-Nitroaniline	0.271	0.322	0.280	0.357	0.274	0.271	0.266	0.291	11.85
63)	Azobenzene	1.638	1.810	1.551	1.595	1.378	1.370	1.267	1.516	12.39
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.089	0.094	0.124	0.106	0.110	0.111	0.106		11.87
66) c	n-Nitrosodiphe...	0.798	0.864	0.749	0.687	0.640	0.666	0.608	0.716	12.82
67)	4-Bromophenyl-...	0.257	0.281	0.250	0.239	0.216	0.224	0.213	0.240	10.17
68)	Hexachlorobenzene	0.263	0.291	0.255	0.249	0.225	0.231	0.216	0.247	10.39
69)	Atrazine	0.214	0.243	0.210	0.217	0.189	0.191	0.174	0.205	11.06
70) C	Pentachlorophenol	0.128	0.159	0.143	0.157	0.140	0.145	0.137	0.144	7.42
71)	Phenanthrene	1.236	1.339	1.145	1.086	0.979	1.011	0.918	1.102	13.55
72)	Anthracene	1.208	1.313	1.138	1.072	0.978	0.986	0.908	1.086	13.14
73)	Carbazole	1.066	1.192	1.030	1.019	0.889	0.913	0.840	0.993	12.17
74)	Di-n-butylphth...	1.240	1.411	1.217	1.212	1.071	1.095	1.000	1.178	11.54
75) C	Fluoranthene	1.159	1.291	1.130	1.137	0.977	1.028	0.932	1.093	11.24
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.798	0.716	0.624	0.766	0.681	0.660	0.643	0.698	9.29
78)	Pyrene	1.838	2.043	1.734	1.844	1.593	1.503	1.454	1.716	12.31
79) S	Terphenyl-d14	1.446	1.549	1.298	1.292	1.130	1.056	1.018	1.255	15.85
80)	Butylbenzylpht...	0.629	0.748	0.676	0.766	0.643	0.635	0.622	0.674	8.78
81)	Benzo(a)anthra...	1.551	1.682	1.477	1.447	1.307	1.338	1.285	1.441	9.99
82)	3,3'-Dichlorob...	0.436	0.500	0.450	0.460	0.421	0.434	0.426	0.447	6.09
83)	Chrysene	1.537	1.649	1.452	1.433	1.293	1.331	1.281	1.425	9.53
84)	Bis(2-ethylhex...	0.920	1.097	0.948	0.976	0.859	0.860	0.826	0.927	9.94
85) c	Di-n-octyl pht...	1.452	1.699	1.589	1.566	1.448	1.555	1.478	1.541	5.86

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.378	1.552	1.445	1.335	1.491	1.485	1.400	1.441		5.19
88)	Benzo(b)fluora...	1.517	1.735	1.430	1.582	1.330	1.325	1.309	1.461		10.90
89)	Benzo(k)fluora...	1.425	1.581	1.415	1.485	1.261	1.258	1.119	1.363		11.60
90) C	Benzo(a)pyrene	1.303	1.464	1.293	1.348	1.222	1.234	1.170	1.291		7.48
91)	Dibenzo(a,h)an...	1.196	1.352	1.262	1.167	1.271	1.280	1.190	1.245		5.19
92)	Benzo(g,h,i)pe...	1.128	1.270	1.220	1.102	1.254	1.261	1.171	1.201		5.66

(#) = Out of Range