

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM123124.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Dec 31 23:06:33 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BM049302.D 5 =BM049303.D 10 =BM049304.D 20 =BM049305.D 40 =BM049306.D 50 =BM049307.D 60 =BM049308.D 80 =BM049309.D

Compound		2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.617	0.553	0.552	0.513	0.505	0.517	0.489	0.535		8.06
3)	Pyridine	1.565	1.569	1.553	1.532	1.498	1.546	1.476	1.534		2.29
4)	n-Nitrosodimet...	0.656	0.630	0.643	0.626	0.604	0.625	0.591	0.625		3.53
5) S	2-Fluorophenol	1.280	1.251	1.301	1.267	1.279	1.320	1.259	1.280		1.87
6)	Aniline	1.408	1.390	1.411	1.375	1.369	1.393	1.299	1.378		2.76
7) S	Phenol-d6	1.561	1.602	1.674	1.707	1.696	1.790	1.703	1.676		4.47
8)	2-Chlorophenol	1.262	1.262	1.317	1.301	1.301	1.371	1.319	1.305		2.87
9)	Benzaldehyde	1.164	1.070	1.015	0.847	0.782	0.775		0.942		17.35
10) C	Phenol	1.631	1.642	1.680	1.692	1.680	1.775	1.696	1.685		2.77
11)	bis(2-Chloroet...	1.354	1.305	1.384	1.333	1.334	1.397	1.328	1.348		2.42
12)	1,3-Dichlorobe...	1.591	1.565	1.571	1.520	1.525	1.575	1.508	1.551		2.09
13) C	1,4-Dichlorobe...	1.644	1.555	1.574	1.556	1.533	1.585	1.530	1.568		2.49
14)	1,2-Dichlorobe...	1.561	1.507	1.533	1.504	1.489	1.549	1.472	1.516		2.15
15)	Benzyl Alcohol	0.967	0.991	1.068	1.107	1.099	1.173	1.130	1.077		6.87
16)	2,2'-oxybis(1-...	2.006	1.956	1.988	1.919	1.904	1.965	1.845	1.940		2.85
17)	2-Methylphenol	0.991	0.997	1.042	1.063	1.059	1.119	1.058	1.047		4.15
18)	Hexachloroethane	0.591	0.578	0.589	0.579	0.575	0.589	0.559	0.580		1.94
19) P	n-Nitroso-di-n...	0.937	1.017	1.054	1.107	1.135	1.107	1.179	1.082	1.077	6.95
20)	3+4-Methylphenols	1.283	1.344	1.438	1.478	1.469	1.562	1.474	1.435		6.50
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.534	0.531	0.554	0.548	0.555	0.570	0.536	0.547		2.55
23) S	Nitrobenzene-d5	0.398	0.402	0.428	0.426	0.436	0.446	0.423	0.423		4.07
24)	Nitrobenzene	0.413	0.422	0.441	0.428	0.439	0.444	0.425	0.430		2.66
25)	Isophorone	0.662	0.690	0.734	0.737	0.746	0.776	0.735	0.726		5.23
26) C	2-Nitrophenol	0.141	0.151	0.170	0.179	0.186	0.195	0.190	0.173		11.84
27)	2,4-Dimethylph...	0.194	0.194	0.216	0.216	0.219	0.231	0.221	0.213		6.45
28)	bis(2-Chloroet...	0.446	0.449	0.476	0.464	0.473	0.489	0.465	0.466		3.24
29) C	2,4-Dichloroph...	0.287	0.304	0.335	0.338	0.347	0.361	0.345	0.331		7.94
30)	1,2,4-Trichlor...	0.405	0.400	0.418	0.404	0.408	0.420	0.405	0.409		1.89
31)	Naphthalene	1.067	1.053	1.095	1.077	1.097	1.132	1.089	1.087		2.32
32)	Benzoic acid		0.165	0.206	0.225	0.240	0.255	0.251	0.224		15.15
33)	4-Chloroaniline	0.333	0.346	0.376	0.380	0.385	0.402	0.379	0.372		6.38
34) C	Hexachlorobuta...	0.263	0.254	0.265	0.252	0.258	0.262	0.254	0.258		1.97
35)	Caprolactam	0.074	0.082	0.094	0.098	0.101	0.106	0.101	0.094		12.36
36) C	4-Chloro-3-met...	0.275	0.297	0.329	0.333	0.338	0.355	0.333	0.323		8.45
37)	2-Methylnaphth...	0.704	0.700	0.751	0.750	0.765	0.799	0.762	0.747		4.65
38)	1-Methylnaphth...	0.693	0.702	0.745	0.745	0.755	0.792	0.751	0.741		4.52

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM123124.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.668	0.648	0.668	0.655	0.682	0.713	0.715	0.678	3.93	
41) P	Hexachlorocycl...	0.209	0.206	0.225	0.224	0.233	0.236	0.230	0.223	5.18	
42) S	2,4,6-Tribromo...	0.225	0.236	0.261	0.272	0.282	0.298	0.295	0.267	10.54	
43) C	2,4,6-Trichlor...	0.389	0.400	0.425	0.431	0.449	0.468	0.464	0.432	7.02	
44)	2,4,5-Trichlor...	0.436	0.443	0.477	0.480	0.496	0.517	0.515	0.481	6.64	
45) S	2-Fluorobiphenyl	1.499	1.481	1.541	1.534	1.563	1.592	1.532	1.535	2.42	
46)	1,1'-Biphenyl	1.476	1.445	1.502	1.507	1.545	1.594	1.550	1.517	3.30	
47)	2-Chloronaphth...	1.201	1.208	1.246	1.238	1.265	1.296	1.272	1.247	2.76	
48)	2-Nitroaniline	0.264	0.284	0.327	0.344	0.355	0.372	0.363	0.330	12.51	
49)	Acenaphthylene	1.596	1.624	1.701	1.703	1.748	1.826	1.783	1.712	4.81	
50)	Dimethylphthalate	1.394	1.435	1.484	1.456	1.490	1.526	1.483	1.467	2.92	
51)	2,6-Dinitrotol...	0.271	0.289	0.321	0.322	0.332	0.345	0.340	0.317	8.70	
52) C	Acenaphthene	1.043	1.030	1.095	1.108	1.134	1.180	1.146	1.105	4.92	
53)	3-Nitroaniline	0.228	0.255	0.295	0.308	0.322	0.340	0.332	0.297	13.94	
54) P	2,4-Dinitrophenol		0.115	0.152	0.175	0.186	0.197	0.201	0.171	19.04	
55)	Dibenzofuran	1.790	1.771	1.829	1.804	1.836	1.874	1.825	1.818	1.86	
56) P	4-Nitrophenol	0.162	0.206	0.244	0.262	0.273	0.287	0.285	0.246	18.89	
57)	2,4-Dinitrotol...	0.318	0.366	0.419	0.444	0.458	0.479	0.474	0.423	14.28	
58)	Fluorene	1.378	1.405	1.496	1.498	1.533	1.576	1.501	1.484	4.69	
59)	2,3,4,6-Tetrac...	0.358	0.369	0.388	0.393	0.410	0.424	0.423	0.395	6.50	
60)	Diethylphthalate	1.334	1.383	1.449	1.444	1.479	1.525	1.484	1.443	4.51	
61)	4-Chlorophenyl...	0.760	0.771	0.809	0.812	0.829	0.851	0.817	0.807	3.91	
62)	4-Nitroaniline	0.207	0.251	0.298	0.325	0.335	0.353	0.343	0.302	17.95	
63)	Azobenzene	1.247	1.303	1.399	1.395	1.415	1.454	1.402	1.374	5.24	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.091	0.109	0.121	0.125	0.135	0.132	0.119	13.96	
66) c	n-Nitrosodiphe...	0.522	0.536	0.578	0.585	0.601	0.623	0.600	0.578	6.32	
67)	4-Bromophenyl-...	0.203	0.205	0.218	0.221	0.228	0.236	0.232	0.221	5.82	
68)	Hexachlorobenzene	0.248	0.242	0.255	0.258	0.266	0.277	0.273	0.260	4.95	
69)	Atrazine	0.177	0.173	0.168	0.131	0.127	0.120		0.149	17.48	
70) C	Pentachlorophenol	0.130	0.141	0.164	0.171	0.178	0.190	0.187	0.166	13.72	
71)	Phenanthrene	1.015	1.002	1.059	1.059	1.082	1.126	1.090	1.062	4.03	
72)	Anthracene	0.934	0.933	1.009	1.034	1.055	1.098	1.057	1.017	6.20	
73)	Carbazole	0.872	0.910	0.986	1.008	1.030	1.069	1.030	0.986	7.15	
74)	Di-n-butylphth...	0.964	1.001	1.127	1.183	1.208	1.264	1.221	1.138	10.09	
75) C	Fluoranthene	1.167	1.185	1.273	1.308	1.336	1.407	1.378	1.294	7.07	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.187	0.181	0.224	0.333	0.339	0.231	0.219	0.245	26.56	
78)	Pyrene	1.377	1.392	1.464	1.478	1.503	1.582	1.544	1.477	5.07	
79) S	Terphenyl-d14	1.077	1.106	1.213	1.259	1.274	1.302	1.227	1.208	7.07	
80)	Butylbenzylpht...	0.421	0.444	0.506	0.543	0.562	0.582	0.575	0.519	12.40	
81)	Benzo(a)anthra...	1.330	1.333	1.417	1.427	1.473	1.508	1.484	1.424	4.97	
82)	3,3'-Dichlorob...	0.376	0.401	0.451	0.477	0.494	0.491	0.483	0.453	10.39	
83)	Chrysene	1.248	1.276	1.351	1.327	1.370	1.423	1.379	1.339	4.52	
84)	Bis(2-ethylhex...	0.632	0.681	0.778	0.833	0.860	0.885	0.855	0.789	12.33	
85) c	Di-n-octyl pht...	0.989	1.091	1.228	1.313	1.379	1.452	1.436	1.270	13.89	

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM123124.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.318	1.339	1.420	1.474	1.553	1.619	1.611	1.476	8.37
88)	Benzo(b)fluora...	1.184	1.190	1.283	1.351	1.401	1.467	1.455	1.333	8.83
89)	Benzo(k)fluora...	1.138	1.169	1.281	1.288	1.335	1.427	1.433	1.296	8.85
90) C	Benzo(a)pyrene	0.980	1.018	1.109	1.149	1.192	1.257	1.249	1.136	9.48
91)	Dibenzo(a,h)an...	1.106	1.108	1.190	1.227	1.292	1.344	1.335	1.229	8.14
92)	Benzo(g,h,i)pe...	1.149	1.132	1.202	1.235	1.284	1.330	1.310	1.235	6.29

(#) = Out of Range