

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF082223.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Aug 28 02:45:19 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BF134882.D 5 =BF134883.D 10 =BF134884.D 20 =BF134885.D 40 =BF134886.D 50 =BF134887.D 60 =BF134888.D 80 =BF134889.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.576	0.568	0.589	0.550	0.511	0.531	0.486	0.544	6.85	
3)	Pyridine	1.486	1.535	1.583	1.490	1.377	1.432	1.364	1.467	5.49	
4)	n-Nitrosodimet...	0.631	0.648	0.697	0.671	0.632	0.652	0.609	0.649	4.44	
5) S	2-Fluorophenol	1.407	1.431	1.403	1.228	1.130	1.149	1.031	1.254	12.76	
6)	Aniline	2.203	2.211	2.186	1.973	1.815	1.808	1.668	1.981	11.29	
7) S	Phenol-d6	1.829	1.823	1.768	1.575	1.439	1.465	1.318	1.603	12.86	
8)	2-Chlorophenol	1.493	1.482	1.454	1.304	1.187	1.211	1.082	1.316	12.44	
9)	Benzaldehyde	1.089	1.040	0.979	0.833	0.762	0.774	0.678	0.879	17.83	
10) C	Phenol	1.901	1.866	1.845	1.606	1.472	1.477	1.319	1.641	14.08	
11)	bis(2-Chloroet...	1.364	1.361	1.365	1.239	1.145	1.168	1.071	1.245	9.73	
12)	1,3-Dichlorobe...	1.558	1.531	1.499	1.358	1.253	1.261	1.148	1.373	11.63	
13) C	1,4-Dichlorobe...	1.552	1.534	1.514	1.362	1.244	1.277	1.134	1.374	11.92	
14)	1,2-Dichlorobe...	1.517	1.456	1.416	1.249	1.137	1.140	0.999	1.273	15.22	
15)	Benzyl Alcohol	1.231	1.271	1.261	1.119	1.012	1.009	0.891	1.114	13.27	
16)	2,2'-oxybis(1-...	2.050	1.986	1.997	1.791	1.641	1.658	1.494	1.802	11.88	
17)	2-Methylphenol	1.237	1.235	1.237	1.148	1.053	1.067	0.996	1.139	8.90	
18)	Hexachloroethane	0.546	0.542	0.544	0.494	0.456	0.472	0.427	0.497	9.70	
19) P	n-Nitroso-di-n...	1.069	1.041	1.028	0.996	0.894	0.814	0.848	0.798	0.936	11.71
20)	3+4-Methylphenols	1.685	1.599	1.540	1.290	1.159	1.165	1.011	1.350	19.11	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.510	0.502	0.481	0.421	0.400	0.404	0.376	0.442	12.30	
23) S	Nitrobenzene-d5	0.384	0.388	0.389	0.357	0.344	0.352	0.327	0.363	6.65	
24)	Nitrobenzene	0.382	0.389	0.391	0.363	0.347	0.352	0.326	0.364	6.72	
25)	Isophorone	0.717	0.712	0.712	0.668	0.638	0.653	0.644	0.678	5.14	
26) C	2-Nitrophenol	0.175	0.181	0.194	0.184	0.178	0.185	0.172	0.181	4.11	
27)	2,4-Dimethylph...	0.311	0.319	0.316	0.291	0.279	0.279	0.276	0.296	6.47	
28)	bis(2-Chloroet...	0.432	0.435	0.433	0.399	0.376	0.384	0.368	0.404	7.21	
29) C	2,4-Dichloroph...	0.312	0.319	0.310	0.286	0.276	0.278	0.264	0.292	7.35	
30)	1,2,4-Trichlor...	0.341	0.335	0.334	0.305	0.289	0.297	0.272	0.310	8.52	
31)	Naphthalene	1.136	1.105	1.083	0.974	0.911	0.933	0.847	0.999	11.05	
32)	Benzoic acid	0.168	0.199	0.228	0.235	0.232	0.233	0.232	0.218	11.63	
33)	4-Chloroaniline	0.470	0.467	0.465	0.424	0.399	0.401	0.373	0.428	9.18	
34) C	Hexachlorobuta...	0.203	0.199	0.196	0.181	0.173	0.176	0.165	0.184	7.97	
35)	Caprolactam	0.094	0.092	0.098	0.089	0.086	0.090	0.089	0.091	4.47	
36) C	4-Chloro-3-met...	0.333	0.330	0.328	0.303	0.286	0.292	0.286	0.308	7.02	
37)	2-Methylnaphth...	0.757	0.742	0.731	0.649	0.601	0.615	0.568	0.666	11.46	
38)	1-Methylnaphth...	0.716	0.704	0.682	0.602	0.560	0.565	0.530	0.623	12.28	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF082223.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.663	0.660	0.652	0.614	0.567	0.578	0.531	0.609	8.55	
41) P	Hexachlorocycl...	0.192	0.224	0.272	0.306	0.298	0.295	0.303	0.270	16.55	
42) S	2,4,6-Tribromo...	0.256	0.249	0.258	0.234	0.216	0.222	0.214	0.236	7.99	
43) C	2,4,6-Trichlor...	0.420	0.419	0.432	0.411	0.379	0.386	0.369	0.402	5.99	
44)	2,4,5-Trichlor...	0.498	0.493	0.498	0.469	0.437	0.447	0.418	0.466	6.95	
45) S	2-Fluorobiphenyl	1.572	1.510	1.441	1.235	1.140	1.140	1.017	1.294	16.49	
46)	1,1'-Biphenyl	1.788	1.763	1.718	1.561	1.445	1.461	1.317	1.579	11.50	
47)	2-Chloronaphth...	1.302	1.283	1.278	1.174	1.093	1.118	1.008	1.179	9.56	
48)	2-Nitroaniline	0.376	0.392	0.416	0.399	0.373	0.387	0.370	0.388	4.19	
49)	Acenaphthylene	2.027	2.013	1.995	1.808	1.669	1.693	1.505	1.816	11.21	
50)	Dimethylphthalate	1.546	1.515	1.515	1.411	1.308	1.370	1.300	1.424	7.22	
51)	2,6-Dinitrotol...	0.315	0.322	0.334	0.320	0.300	0.313	0.294	0.314	4.31	
52) C	Acenaphthene	1.308	1.256	1.249	1.131	1.049	1.054	0.961	1.144	11.34	
53)	3-Nitroaniline	0.338	0.356	0.374	0.347	0.324	0.342	0.320	0.343	5.41	
54) P	2,4-Dinitrophenol		0.105	0.139	0.158	0.153	0.167	0.170	0.149	16.15	
55)	Dibenzofuran	1.938	1.876	1.846	1.651	1.499	1.519	1.329	1.666	13.75	
56) P	4-Nitrophenol	0.209	0.229	0.260	0.247	0.239	0.248	0.241	0.239	6.90	
57)	2,4-Dinitrotol...	0.390	0.415	0.435	0.402	0.367	0.377	0.331	0.388	8.77	
58)	Fluorene	1.498	1.468	1.405	1.213	1.116	1.126	1.017	1.263	15.18	
59)	2,3,4,6-Tetrac...	0.392	0.389	0.392	0.365	0.340	0.341	0.321	0.363	8.04	
60)	Diethylphthalate	1.468	1.417	1.400	1.293	1.190	1.216	1.146	1.304	9.65	
61)	4-Chlorophenyl...	0.761	0.725	0.699	0.610	0.559	0.569	0.509	0.633	15.08	
62)	4-Nitroaniline	0.311	0.331	0.349	0.328	0.305	0.316	0.304	0.321	5.03	
63)	Azobenzene	1.445	1.399	1.415	1.275	1.196	1.210	1.130	1.296	9.57	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.088	0.104	0.122	0.128	0.126	0.131	0.127	0.118	13.74	
66) c	n-Nitrosodiphe...	0.707	0.699	0.684	0.642	0.600	0.614	0.562	0.644	8.55	
67)	4-Bromophenyl-...	0.242	0.242	0.247	0.231	0.219	0.224	0.210	0.231	5.93	
68)	Hexachlorobenzene	0.261	0.258	0.259	0.247	0.231	0.240	0.221	0.245	6.20	
69)	Atrazine	0.202	0.198	0.184	0.155	0.135			0.175	16.39	
70) C	Pentachlorophenol	0.136	0.148	0.159	0.155	0.145	0.148	0.142	0.148	5.26	
71)	Phenanthrene	1.194	1.163	1.134	1.022	0.964	0.967	0.891	1.048	11.07	
72)	Anthracene	1.214	1.194	1.167	1.050	0.982	1.006	0.904	1.074	11.11	
73)	Carbazole	0.984	0.962	0.978	0.862	0.818	0.828	0.761	0.885	10.11	
74)	Di-n-butylphth...	1.145	1.113	1.120	0.975	0.933	0.950	0.868	1.015	10.76	
75) C	Fluoranthene	1.143	1.128	1.113	0.936	0.898	0.911	0.822	0.993	13.23	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.477	0.483	0.388	0.361	0.218	0.154	0.191	0.324	42.09	
78)	Pyrene	2.385	2.391	2.352	2.105	1.931	1.921	1.760	2.121	12.21	
79) S	Terphenyl-d14	1.747	1.727	1.630	1.415	1.263	1.264	1.133	1.454	17.04	
80)	Butylbenzylpht...	0.687	0.695	0.719	0.623	0.605	0.606	0.588	0.646	8.13	
81)	Benzo(a)anthra...	1.459	1.450	1.463	1.367	1.277	1.325	1.211	1.365	7.24	
82)	3,3'-Dichlorob...	0.419	0.452	0.449	0.455	0.422	0.431	0.395	0.432	5.00	
83)	Chrysene	1.397	1.403	1.420	1.365	1.283	1.331	1.225	1.346	5.31	
84)	Bis(2-ethylhex...	0.815	0.771	0.760	0.643	0.646	0.649	0.614	0.700	11.34	
85) c	Di-n-octyl pht...	1.114	1.092	1.110	1.176	1.135	1.208	1.154	1.141	3.57	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082223.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.463	1.458	1.518	1.451	1.366	1.395	1.357	1.430	4.09	
88)	Benzo(b)fluora...	1.170	1.177	1.160	1.166	1.067	1.079	1.080	1.128	4.43	
89)	Benzo(k)fluora...	1.176	1.166	1.191	1.054	1.050	1.118	1.001	1.108	6.65	
90) C	Benzo(a)pyrene	1.150	1.164	1.201	1.136	1.078	1.103	1.054	1.126	4.55	
91)	Dibenzo(a,h)an...	1.194	1.186	1.233	1.173	1.110	1.118	1.082	1.157	4.71	
92)	Benzo(g,h,i)pe...	1.208	1.189	1.254	1.221	1.138	1.150	1.128	1.184	3.97	

(#) = Out of Range