

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM092024.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Sep 21 02:22:39 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BM047581.D 5 =BM047582.D 10 =BM047583.D 20 =BM047584.D 40 =BM047585.D 50 =BM047586.D 60 =BM047587.D 80 =BM047588.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.605	0.606	0.566	0.552	0.552	0.552	0.544	0.568	4.64	
3)	Pyridine	1.609	1.600	1.571	1.555	1.565	1.594	1.532	1.575	1.74	
4)	n-Nitrosodimet...	0.636	0.647	0.657	0.640	0.664	0.678	0.650	0.653	2.23	
5) S	2-Fluorophenol	1.302	1.285	1.295	1.279	1.304	1.342	1.328	1.305	1.73	
6)	Aniline	1.508	1.481	1.470	1.481	1.474	1.490	1.407	1.473	2.14	
7) S	Phenol-d6	1.663	1.654	1.703	1.699	1.747	1.805	1.766	1.720	3.21	
8)	2-Chlorophenol	1.373	1.349	1.384	1.331	1.360	1.394	1.373	1.366	1.56	
9)	Benzaldehyde	1.000	1.050	0.998	0.828	0.814	0.779	0.673	0.878	15.93	
10) C	Phenol	1.679	1.658	1.683	1.694	1.728	1.774	1.737	1.707	2.36	
11)	bis(2-Chloroet...	1.423	1.376	1.397	1.324	1.350	1.383	1.354	1.372	2.40	
12)	1,3-Dichlorobe...	1.599	1.523	1.523	1.456	1.486	1.508	1.481	1.511	3.02	
13) C	1,4-Dichlorobe...	1.585	1.543	1.539	1.486	1.505	1.534	1.510	1.529	2.11	
14)	1,2-Dichlorobe...	1.527	1.495	1.475	1.435	1.455	1.476	1.453	1.474	2.07	
15)	Benzyl Alcohol	1.046	1.051	1.107	1.096	1.139	1.180	1.148	1.110	4.49	
16)	2,2'-oxybis(1-...	1.822	1.784	1.805	1.695	1.725	1.741	1.672	1.749	3.23	
17)	2-Methylphenol	1.057	1.042	1.068	1.075	1.093	1.108	1.067	1.073	2.05	
18)	Hexachloroethane	0.653	0.619	0.623	0.605	0.616	0.617	0.607	0.620	2.55	
19) P	n-Nitroso-di-n...	0.953	1.019	1.021	1.070	1.058	1.101	1.123	1.081	1.053	5.12
20)	3+4-Methylphenols	1.413	1.414	1.459	1.457	1.498	1.526	1.465	1.462	2.81	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.529	0.506	0.514	0.513	0.520	0.536	0.529	0.521	2.02	
23) S	Nitrobenzene-d5	0.379	0.382	0.399	0.404	0.409	0.422	0.417	0.402	4.10	
24)	Nitrobenzene	0.404	0.408	0.419	0.412	0.417	0.427	0.419	0.415	1.89	
25)	Isophorone	0.649	0.638	0.667	0.668	0.682	0.707	0.690	0.671	3.54	
26) C	2-Nitrophenol	0.129	0.126	0.141	0.147	0.153	0.163	0.164	0.146	10.38	
27)	2,4-Dimethylph...	0.210	0.198	0.205	0.207	0.206	0.216	0.213	0.208	2.87	
28)	bis(2-Chloroet...	0.435	0.421	0.439	0.423	0.430	0.441	0.435	0.432	1.80	
29) C	2,4-Dichloroph...	0.245	0.247	0.261	0.263	0.269	0.279	0.277	0.263	5.02	
30)	1,2,4-Trichlor...	0.311	0.288	0.300	0.290	0.296	0.308	0.305	0.300	2.90	
31)	Naphthalene	1.076	1.037	1.048	1.033	1.046	1.086	1.081	1.058	2.10	
32)	Benzoic acid	0.145	0.165	0.174	0.204	0.212	0.225	0.232	0.194	16.98	
33)	4-Chloroaniline	0.363	0.357	0.370	0.378	0.380	0.390	0.375	0.373	2.97	
34) C	Hexachlorobuta...	0.172	0.155	0.164	0.158	0.160	0.164	0.168	0.163	3.57	
35)	Caprolactam	0.076	0.079	0.087	0.095	0.099	0.103	0.096	0.091	11.10	
36) C	4-Chloro-3-met...	0.271	0.276	0.292	0.305	0.315	0.324	0.317	0.300	6.90	
37)	2-Methylnaphth...	0.656	0.632	0.653	0.649	0.671	0.698	0.695	0.665	3.69	
38)	1-Methylnaphth...	0.649	0.628	0.647	0.648	0.665	0.693	0.686	0.659	3.54	

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM092024.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.540	0.510	0.519	0.502	0.517	0.543	0.563	0.528	4.10	
41) P	Hexachlorocycl...	0.176	0.164	0.174	0.167	0.170	0.181	0.188	0.174	4.70	
42) S	2,4,6-Tribromo...	0.158	0.162	0.176	0.187	0.194	0.210	0.209	0.185	11.32	
43) C	2,4,6-Trichlor...	0.319	0.313	0.337	0.340	0.352	0.370	0.371	0.343	6.70	
44)	2,4,5-Trichlor...	0.352	0.359	0.378	0.381	0.400	0.414	0.414	0.386	6.43	
45) S	2-Fluorobiphenyl	1.390	1.325	1.382	1.363	1.419	1.487	1.528	1.413	5.04	
46)	1,1'-Biphenyl	1.563	1.491	1.525	1.498	1.532	1.598	1.605	1.545	2.95	
47)	2-Chloronaphth...	1.226	1.173	1.199	1.166	1.195	1.247	1.254	1.209	2.87	
48)	2-Nitroaniline	0.285	0.299	0.347	0.377	0.392	0.415	0.411	0.361	14.49	
49)	Acenaphthylene	1.655	1.652	1.720	1.711	1.764	1.839	1.833	1.739	4.40	
50)	Dimethylphthalate	1.366	1.335	1.364	1.371	1.384	1.444	1.402	1.381	2.50	
51)	2,6-Dinitrotol...	0.237	0.256	0.285	0.297	0.310	0.322	0.318	0.289	11.12	
52) C	Acenaphthene	1.134	1.086	1.109	1.113	1.170	1.215	1.215	1.149	4.53	
53)	3-Nitroaniline	0.257	0.288	0.323	0.349	0.363	0.375	0.366	0.332	13.46	
54) P	2,4-Dinitrophenol		0.094	0.108	0.131	0.142	0.154	0.158	0.131	19.28	
55)	Dibenzofuran	1.665	1.630	1.648	1.640	1.684	1.745	1.741	1.679	2.81	
56) P	4-Nitrophenol	0.199	0.246	0.279	0.307	0.313	0.329	0.317	0.284	16.45	
57)	2,4-Dinitrotol...	0.288	0.328	0.376	0.406	0.424	0.444	0.433	0.386	15.17	
58)	Fluorene	1.339	1.361	1.423	1.487	1.550	1.629	1.613	1.486	7.86	
59)	2,3,4,6-Tetrac...	0.270	0.271	0.291	0.296	0.304	0.318	0.314	0.295	6.44	
60)	Diethylphthalate	1.380	1.391	1.457	1.474	1.518	1.561	1.523	1.472	4.64	
61)	4-Chlorophenyl...	0.601	0.588	0.628	0.640	0.670	0.710	0.708	0.649	7.47	
62)	4-Nitroaniline	0.252	0.303	0.354	0.405	0.426	0.446	0.432	0.374	19.66	
63)	Azobenzene	1.437	1.499	1.612	1.630	1.673	1.735	1.680	1.609	6.59	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.068	0.085	0.094	0.101	0.108	0.113	0.095	17.61	
66) c	n-Nitrosodiphe...	0.576	0.562	0.591	0.583	0.604	0.630	0.635	0.597	4.60	
67)	4-Bromophenyl-...	0.181	0.168	0.178	0.173	0.182	0.193	0.198	0.182	5.82	
68)	Hexachlorobenzene	0.215	0.203	0.208	0.202	0.211	0.222	0.226	0.212	4.28	
69)	Atrazine	0.157	0.155	0.156	0.162	0.130	0.130	0.116	0.144	12.48	
70) C	Pentachlorophenol	0.109	0.117	0.129	0.137	0.141	0.149	0.152	0.133	11.95	
71)	Phenanthrene	1.058	1.016	1.056	1.060	1.095	1.149	1.165	1.086	4.99	
72)	Anthracene	0.950	0.952	0.998	1.013	1.050	1.110	1.127	1.029	6.89	
73)	Carbazole	0.984	1.002	1.040	1.072	1.096	1.153	1.156	1.072	6.34	
74)	Di-n-butylphth...	1.135	1.146	1.274	1.294	1.354	1.430	1.442	1.296	9.53	
75) C	Fluoranthene	1.057	1.075	1.129	1.188	1.238	1.332	1.348	1.195	9.78	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.329	0.431	0.236	0.381	0.202	0.103	0.223	0.272	41.78	
78)	Pyrene	1.361	1.281	1.351	1.373	1.439	1.502	1.492	1.400	5.77	
79) S	Terphenyl-d14	1.016	0.961	1.070	1.128	1.211	1.239	1.179	1.115	9.28	
80)	Butylbenzylpht...	0.528	0.525	0.595	0.610	0.648	0.680	0.680	0.609	10.68	
81)	Benzo(a)anthra...	1.277	1.255	1.288	1.290	1.339	1.389	1.366	1.315	3.81	
82)	3,3'-Dichlorob...	0.367	0.386	0.402	0.422	0.422	0.421	0.439	0.408	6.15	
83)	Chrysene	1.221	1.194	1.214	1.227	1.272	1.321	1.306	1.251	3.92	
84)	Bis(2-ethylhex...	0.836	0.845	0.951	0.973	1.045	1.084	1.090	0.975	10.82	
85) c	Di-n-octyl pht...	1.277	1.309	1.463	1.498	1.589	1.681	1.711	1.504	11.28	

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM092024.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.276	1.284	1.327	1.367	1.402	1.481	1.490	1.375	6.34	
88)	Benzo(b)fluora...	1.138	1.111	1.234	1.249	1.314	1.383	1.371	1.257	8.49	
89)	Benzo(k)fluora...	1.123	1.110	1.172	1.228	1.262	1.362	1.379	1.234	8.73	
90) C	Benzo(a)pyrene	0.973	0.954	1.035	1.059	1.095	1.173	1.171	1.066	8.18	
91)	Dibenzo(a,h)an...	1.064	1.057	1.110	1.140	1.171	1.248	1.251	1.149	6.94	
92)	Benzo(g,h,i)pe...	1.098	1.087	1.124	1.139	1.164	1.218	1.228	1.151	4.81	

(#) = Out of Range