

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF111124.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Nov 12 00:05:37 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF140312.D 5 =BF140313.D 10 =BF140314.D 20 =BF140315.D 40 =BF140316.D 50 =BF140317.D 60 =BF140318.D 80 =BF140319.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.560	0.537	0.550	0.523	0.488	0.502	0.485	0.521	5.73	
3)	Pyridine	1.273	1.308	1.323	1.287	1.193	1.232	1.166	1.255	4.71	
4)	n-Nitrosodimet...	0.651	0.651	0.670	0.675	0.650	0.670	0.640	0.658	2.01	
5) S	2-Fluorophenol	1.319	1.246	1.213	1.131	1.070	1.100	1.025	1.158	9.07	
6)	Aniline	1.553	1.509	1.462	1.363	1.259	1.250	1.104	1.357	11.94	
7) S	Phenol-d6	1.745	1.654	1.612	1.489	1.438	1.475	1.356	1.538	8.86	
8)	2-Chlorophenol	1.387	1.308	1.312	1.190	1.164	1.164	1.078	1.229	8.83	
9)	Benzaldehyde	1.108	1.054	1.020	0.839	0.776	0.718		0.919	17.65	
10) C	Phenol	1.847	1.770	1.710	1.594	1.511	1.556	1.433	1.632	9.12	
11)	bis(2-Chloroet...	1.383	1.324	1.271	1.214	1.184	1.232	1.145	1.250	6.58	
12)	1,3-Dichlorobe...	1.563	1.528	1.442	1.353	1.281	1.313	1.217	1.385	9.34	
13) C	1,4-Dichlorobe...	1.607	1.505	1.482	1.367	1.286	1.313	1.219	1.397	9.91	
14)	1,2-Dichlorobe...	1.494	1.436	1.387	1.248	1.188	1.192	1.092	1.291	11.54	
15)	Benzyl Alcohol	1.241	1.190	1.197	1.117	1.090	1.107	1.021	1.137	6.65	
16)	2,2'-oxybis(1-...	1.911	1.806	1.777	1.677	1.631	1.654	1.523	1.711	7.53	
17)	2-Methylphenol	1.132	1.040	1.034	0.993	0.957	0.983	0.919	1.009	6.83	
18)	Hexachloroethane	0.586	0.553	0.537	0.522	0.496	0.501	0.470	0.523	7.42	
19) P	n-Nitroso-di-n...	1.050	1.029	0.972	0.962	0.896	0.865	0.885	0.836	0.937	8.34
20)	3+4-Methylphenols	1.525	1.401	1.341	1.213	1.146	1.157	1.062	1.263	12.99	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.532	0.508	0.494	0.445	0.433	0.435	0.406	0.465	9.99	
23) S	Nitrobenzene-d5	0.420	0.402	0.398	0.377	0.371	0.374	0.354	0.385	5.78	
24)	Nitrobenzene	0.444	0.418	0.420	0.393	0.389	0.393	0.366	0.403	6.37	
25)	Isophorone	0.715	0.693	0.686	0.653	0.649	0.668	0.634	0.671	4.24	
26) C	2-Nitrophenol	0.164	0.175	0.179	0.173	0.173	0.177	0.166	0.172	3.19	
27)	2,4-Dimethylph...	0.236	0.235	0.230	0.220	0.219	0.225	0.213	0.225	3.91	
28)	bis(2-Chloroet...	0.454	0.426	0.429	0.397	0.395	0.399	0.374	0.411	6.58	
29) C	2,4-Dichloroph...	0.302	0.290	0.289	0.272	0.269	0.266	0.249	0.277	6.48	
30)	1,2,4-Trichlor...	0.349	0.337	0.325	0.305	0.294	0.298	0.278	0.312	8.21	
31)	Naphthalene	1.156	1.087	1.053	0.965	0.935	0.946	0.876	1.002	9.84	
32)	Benzoic acid	0.143	0.156	0.191	0.210	0.216	0.224	0.220	0.194	16.74	
33)	4-Chloroaniline	0.387	0.370	0.362	0.337	0.327	0.331	0.313	0.347	7.64	
34) C	Hexachlorobuta...	0.230	0.215	0.212	0.195	0.190	0.189	0.176	0.201	9.29	
35)	Caprolactam	0.093	0.089	0.093	0.089	0.089	0.090	0.086	0.090	2.87	
36) C	4-Chloro-3-met...	0.333	0.315	0.317	0.297	0.295	0.299	0.281	0.305	5.75	
37)	2-Methylnaphth...	0.743	0.694	0.673	0.609	0.594	0.597	0.556	0.638	10.41	
38)	1-Methylnaphth...	0.726	0.674	0.665	0.593	0.580	0.586	0.537	0.623	10.66	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF111124.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.644	0.606	0.584	0.537	0.521	0.532	0.503	0.561	9.17	
41) P	Hexachlorocycl...	0.106	0.131	0.155	0.151	0.152	0.144	0.140		13.32	
42) S	2,4,6-Tribromo...	0.215	0.210	0.201	0.188	0.183	0.188	0.176	0.194	7.43	
43) C	2,4,6-Trichlor...	0.378	0.378	0.371	0.365	0.353	0.369	0.348	0.366	3.20	
44)	2,4,5-Trichlor...	0.415	0.422	0.415	0.391	0.380	0.379	0.371	0.396	5.23	
45) S	2-Fluorobiphenyl	1.565	1.457	1.350	1.182	1.120	1.132	1.063	1.267	15.12	
46)	1,1'-Biphenyl	1.722	1.606	1.550	1.399	1.353	1.356	1.279	1.467	11.02	
47)	2-Chloronaphth...	1.291	1.217	1.163	1.082	1.051	1.048	1.003	1.122	9.30	
48)	2-Nitroaniline	0.373	0.379	0.379	0.369	0.370	0.369	0.363	0.372	1.62	
49)	Acenaphthylene	1.954	1.851	1.766	1.619	1.565	1.575	1.474	1.686	10.33	
50)	Dimethylphthalate	1.449	1.380	1.343	1.244	1.227	1.250	1.198	1.299	7.17	
51)	2,6-Dinitrotol...	0.306	0.301	0.299	0.288	0.283	0.290	0.278	0.292	3.44	
52) C	Acenaphthene	1.273	1.226	1.192	1.104	1.076	1.084	1.041	1.142	7.68	
53)	3-Nitroaniline	0.319	0.331	0.321	0.306	0.299	0.304	0.284	0.309	5.06	
54) P	2,4-Dinitrophenol	0.099	0.129	0.160	0.161	0.171	0.167	0.148		19.09	
55)	Dibenzofuran	1.876	1.766	1.692	1.535	1.460	1.469	1.364	1.595	11.69	
56) P	4-Nitrophenol	0.194	0.208	0.229	0.230	0.223	0.238	0.223	0.221	6.77	
57)	2,4-Dinitrotol...	0.397	0.403	0.404	0.385	0.373	0.379	0.354	0.385	4.74	
58)	Fluorene	1.484	1.405	1.323	1.191	1.140	1.151	1.075	1.253	12.21	
59)	2,3,4,6-Tetrac...	0.344	0.335	0.327	0.309	0.295	0.306	0.291	0.315	6.42	
60)	Diethylphthalate	1.511	1.431	1.378	1.274	1.236	1.253	1.176	1.323	9.07	
61)	4-Chlorophenyl...	0.735	0.707	0.667	0.591	0.565	0.571	0.528	0.624	12.69	
62)	4-Nitroaniline	0.319	0.327	0.318	0.307	0.297	0.306	0.293	0.309	4.05	
63)	Azobenzene	1.497	1.418	1.374	1.268	1.238	1.256	1.194	1.321	8.38	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.074	0.092	0.107	0.113	0.114	0.118	0.114	0.105	15.49	
66) c	n-Nitrosodiphe...	0.649	0.630	0.606	0.560	0.552	0.558	0.528	0.583	7.74	
67)	4-Bromophenyl-...	0.221	0.211	0.208	0.195	0.191	0.191	0.186	0.200	6.51	
68)	Hexachlorobenzene	0.252	0.234	0.232	0.218	0.214	0.215	0.205	0.224	7.10	
69)	Atrazine	0.202	0.182	0.142	0.148	0.110	0.119	0.113	0.145	24.42	
70) C	Pentachlorophenol	0.110	0.120	0.128	0.133	0.128	0.132	0.127	0.126	6.53	
71)	Phenanthrene	1.106	1.042	0.988	0.894	0.866	0.872	0.810	0.940	11.44	
72)	Anthracene	1.061	1.005	0.971	0.885	0.848	0.855	0.807	0.919	10.25	
73)	Carbazole	1.034	0.992	0.952	0.870	0.826	0.835	0.790	0.900	10.34	
74)	Di-n-butylphth...	1.240	1.185	1.140	1.037	0.985	1.011	0.939	1.077	10.41	
75) C	Fluoranthene	1.236	1.169	1.125	0.966	0.922	0.935	0.850	1.029	14.18	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.569	0.563	0.327	0.880	0.685	0.927	0.955	0.701	33.18	
78)	Pyrene	1.887	1.797	1.799	1.748	1.745	1.712	1.637	1.761	4.44	
79) S	Terphenyl-d14	1.319	1.251	1.191	1.133	1.105	1.109	1.056	1.166	7.92	
80)	Butylbenzylpht...	0.688	0.679	0.686	0.670	0.658	0.671	0.639	0.670	2.55	
81)	Benzo(a)anthra...	1.452	1.353	1.381	1.267	1.250	1.247	1.216	1.309	6.62	
82)	3,3'-Dichlorob...	0.426	0.419	0.421	0.415	0.413	0.428	0.414	0.419	1.42	
83)	Chrysene	1.315	1.294	1.207	1.167	1.149	1.151	1.105	1.198	6.58	
84)	Bis(2-ethylhex...	0.966	0.935	0.911	0.870	0.857	0.875	0.829	0.892	5.35	
85) c	Di-n-octyl pht...	1.436	1.331	1.338	1.260	1.254	1.297	1.266	1.312	4.92	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111124.M

		-----ISTD-----									
86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.135	1.165	1.215	1.285	1.278	1.287	1.267	1.233	5.07	
88)	Benzo(b)fluora...	1.437	1.271	1.240	1.250	1.117	1.275	1.221	1.259	7.55	
89)	Benzo(k)fluora...	1.245	1.082	1.201	1.012	1.062	0.934	0.873	1.058	12.66	
90) C	Benzo(a)pyrene	1.108	1.045	1.040	1.003	0.972	0.997	0.950	1.017	5.20	
91)	Dibenzo(a,h)an...	0.946	0.972	1.010	1.055	1.043	1.040	1.028	1.013	3.97	
92)	Benzo(g,h,i)pe...	0.971	0.970	1.024	1.093	1.096	1.093	1.075	1.046	5.46	

(#) = Out of Range