

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF011823.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jan 19 00:42:19 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BF132110.D 5 =BF132111.D 10 =BF132112.D 20 =BF132113.D 40 =BF132114.D 50 =BF132115.D 60 =BF132116.D 80 =BF132117.D

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

1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.676	0.635	0.606	0.596	0.569	0.534	0.506	0.589		9.88
3)	Pyridine	1.710	1.693	1.588	1.602	1.551	1.486	1.406	1.577		6.85
4)	n-Nitrosodimet...	0.802	0.766	0.757	0.795	0.774	0.742	0.697	0.762		4.62
5) S	2-Fluorophenol	1.386	1.291	1.201	1.102	1.036	0.962	0.890	1.124		15.89
6)	Aniline	2.303	2.218	2.092	2.003	1.944	1.890	1.765	2.031		9.25
7) S	Phenol-d6	1.802	1.677	1.537	1.412	1.330	1.252	1.155	1.452		16.02
8)	2-Chlorophenol	1.467	1.407	1.309	1.174	1.098	1.007	0.914	1.196		17.27
9)	Benzaldehyde	1.271	1.176	1.066	0.954	0.874	0.781		1.020		18.19
10) C	Phenol	1.843	1.725	1.610	1.451	1.360	1.292	1.180	1.494		16.10
11)	bis(2-Chloroet...	1.523	1.436	1.347	1.261	1.189	1.122	1.016	1.271		14.03
12)	1,3-Dichlorobe...	1.617	1.523	1.398	1.293	1.221	1.127	1.039	1.317		15.88
13) C	1,4-Dichlorobe...	1.598	1.548	1.433	1.297	1.203	1.122	1.024	1.318		16.49
14)	1,2-Dichlorobe...	1.558	1.431	1.312	1.159	1.061	0.972		1.249		18.02
15)	Benzyl Alcohol	1.213	1.232	1.230	1.198	1.149	1.069	0.988	1.154		8.09
16)	2,2'-oxybis(1-...	2.269	2.143	2.024	1.893	1.773	1.659	1.482	1.892		14.62
17)	2-Methylphenol	1.255	1.217	1.142	1.065	1.018	0.953	0.887	1.077		12.59
18)	Hexachloroethane	0.554	0.537	0.511	0.492	0.464	0.436	0.406	0.486		11.02
19) P	n-Nitroso-di-n...	0.936	1.100	1.044	0.963	0.882	0.836	0.794	0.750	0.913	13.26
20)	3+4-Methylphenols		1.635	1.580	1.470	1.331	1.225	1.119	0.995	1.337	17.88
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.594	0.538	0.498	0.441	0.410	0.388	0.359	0.461		18.51
23) S	Nitrobenzene-d5	0.402	0.399	0.394	0.385	0.369	0.353	0.334	0.377		6.81
24)	Nitrobenzene	0.434	0.432	0.418	0.402	0.376	0.363	0.338	0.395		9.34
25)	Isophorone	0.825	0.785	0.767	0.754	0.735	0.710	0.700	0.754		5.80
26) C	2-Nitrophenol	0.143	0.155	0.166	0.174	0.170	0.161	0.156	0.161		6.62
27)	2,4-Dimethylph...	0.383	0.352	0.340	0.317	0.300	0.285	0.268	0.320		12.58
28)	bis(2-Chloroet...	0.519	0.487	0.464	0.422	0.399	0.379	0.356	0.432		13.82
29) C	2,4-Dichloroph...	0.333	0.329	0.321	0.304	0.288	0.271	0.256	0.300		9.98
30)	1,2,4-Trichlor...	0.392	0.368	0.348	0.326	0.305	0.289	0.269	0.328		13.41
31)	Naphthalene	1.230	1.140	1.063	0.960	0.885	0.836	0.760	0.982		17.33
32)	Benzoic acid		0.162	0.200	0.239	0.243	0.236	0.240	0.220		14.72
33)	4-Chloroaniline	0.510	0.485	0.468	0.437	0.398	0.372	0.347	0.431		14.08
34) C	Hexachlorobuta...	0.243	0.238	0.229	0.217	0.207	0.198	0.184	0.216		9.96
35)	Caprolactam	0.097	0.098	0.102	0.103	0.101	0.092	0.090	0.098		5.27
36) C	4-Chloro-3-met...	0.337	0.336	0.332	0.320	0.305	0.287	0.275	0.313		7.89
37)	2-Methylnaphth...	0.853	0.805	0.738	0.667	0.615	0.573	0.536	0.684		17.46
38)	1-Methylnaphth...	0.804	0.750	0.700	0.626	0.578	0.539	0.500	0.642		17.52

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF011823.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.776	0.725	0.682	0.622	0.598	0.571	0.526	0.643	13.79	
41) P	Hexachlorocycl...	0.287	0.312	0.343	0.361	0.367	0.370	0.351	0.342	9.07	
42) S	2,4,6-Tribromo...	0.239	0.231	0.229	0.219	0.212	0.204	0.198	0.219	6.86	
43) C	2,4,6-Trichlor...	0.398	0.422	0.437	0.429	0.417	0.410	0.381	0.413	4.63	
44)	2,4,5-Trichlor...	0.547	0.542	0.535	0.504	0.497	0.469	0.441	0.505	7.92	
45) S	2-Fluorobiphenyl	1.476	1.309	1.111	1.058	1.009	0.934	1.149		17.74	
46)	1,1'-Biphenyl	1.845	1.719	1.597	1.422	1.337	1.268	1.148	1.477	17.12	
47)	2-Chloronaphth...	1.405	1.308	1.246	1.107	1.059	1.010	0.931	1.152	14.90	
48)	2-Nitroaniline	0.352	0.382	0.415	0.421	0.412	0.393	0.375	0.393	6.39	
49)	Acenaphthylene	2.249	2.150	2.020	1.811	1.731	1.631	1.478	1.867	15.12	
50)	Dimethylphthalate	1.726	1.616	1.544	1.400	1.355	1.293	1.243	1.454	12.29	
51)	2,6-Dinitrotol...	0.308	0.322	0.332	0.320	0.307	0.294	0.281	0.309	5.58	
52) C	Acenaphthene	1.369	1.274	1.219	1.080	1.044	0.992	0.937	1.131	14.10	
53)	3-Nitroaniline	0.327	0.341	0.349	0.338	0.327	0.311	0.298	0.327	5.47	
54) P	2,4-Dinitrophenol	0.091	0.120	0.138	0.145	0.144	0.150	0.131		17.10	
55)	Dibenzofuran	2.190	2.007	1.898	1.665	1.586	1.476	1.357	1.740	17.32	
56) P	4-Nitrophenol	0.204	0.227	0.252	0.248	0.250	0.230	0.227	0.234	7.34	
57)	2,4-Dinitrotol...	0.349	0.378	0.412	0.403	0.394	0.377	0.360	0.382	5.92	
58)	Fluorene	1.683	1.519	1.391	1.210	1.153	1.077	0.998	1.290	19.33	
59)	2,3,4,6-Tetrac...	0.431	0.427	0.427	0.405	0.390	0.360	0.341	0.397	8.98	
60)	Diethylphthalate	1.738	1.637	1.562	1.440	1.353	1.271	1.190	1.456	13.72	
61)	4-Chlorophenyl...	0.871	0.823	0.757	0.661	0.619	0.584	0.539	0.693	18.10	
62)	4-Nitroaniline	0.300	0.303	0.309	0.301	0.299	0.282	0.274	0.295	4.27	
63)	Azobenzene	1.731	1.606	1.537	1.383	1.308	1.224	1.137	1.418	15.18	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.063	0.077	0.095	0.104	0.106	0.105	0.100	0.093	17.90	
66) c	n-Nitrosodiphe...	0.736	0.685	0.646	0.583	0.548	0.526	0.477	0.600	15.43	
67)	4-Bromophenyl-...	0.261	0.252	0.246	0.224	0.212	0.204	0.192	0.227	11.51	
68)	Hexachlorobenzene	0.264	0.252	0.241	0.224	0.215	0.209	0.194	0.229	10.88	
69)	Atrazine	0.228	0.225	0.215	0.204	0.191	0.182	0.170	0.202	10.93	
70) C	Pentachlorophenol	0.138	0.154	0.167	0.170	0.162	0.158	0.150	0.157	7.04	
71)	Phenanthrene	1.262	1.143	1.066	0.960	0.883	0.839	0.768	0.989	17.92	
72)	Anthracene	1.275	1.176	1.102	0.963	0.890	0.852	0.779	1.005	18.20	
73)	Carbazole	1.091	1.022	0.954	0.852	0.790	0.751	0.681	0.877	17.14	
74)	Di-n-butylphth...	1.290	1.218	1.176	1.056	0.969	0.913	0.835	1.065	15.89	
75) C	Fluoranthene	1.371	1.242	1.160	1.025	0.943	0.883	0.790	1.059	19.63	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.526	0.551	0.547	0.618	0.574	0.514	0.441	0.539	10.24	
78)	Pyrene	2.042	1.950	1.989	1.956	1.945	1.829	1.690	1.914	6.16	
79) S	Terphenyl-d14	1.453	1.298	1.261	1.210	1.212	1.138	1.056	1.233	10.18	
80)	Butylbenzylpht...	0.572	0.638	0.701	0.735	0.738	0.695	0.644	0.675	8.89	
81)	Benzo(a)anthra...	1.523	1.448	1.435	1.428	1.376	1.319	1.256	1.398	6.33	
82)	3,3'-Dichlorob...	0.305	0.353	0.392	0.418	0.395	0.383	0.357	0.372	9.95	
83)	Chrysene	1.458	1.390	1.375	1.304	1.278	1.229	1.164	1.314	7.70	
84)	Bis(2-ethylhex...	0.830	0.877	0.926	0.946	0.921	0.872	0.806	0.882	5.86	
85) c	Di-n-octyl pht...	0.851	1.012	1.111	1.279	1.284	1.285	1.279	1.157	14.93	

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		-----ISTD-----									
86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	0.898	0.977	1.193	1.319	1.337	1.303	1.222	1.178		14.79
88)	Benzo(b)fluora...	1.358	1.308	1.327	1.283	1.228	1.164	1.141	1.258		6.60
89)	Benzo(k)fluora...	1.402	1.423	1.406	1.216	1.200	1.141	1.024	1.259		12.27
90) C	Benzo(a)pyrene	1.109	1.137	1.177	1.194	1.158	1.123	1.064	1.137		3.85
91)	Dibenzo(a,h)an...	0.716	0.805	0.963	1.071	1.082	1.034	0.957	0.947		14.60
92)	Benzo(g,h,i)pe...	0.761	0.821	0.998	1.107	1.122	1.089	1.008	0.987		14.46

(#) = Out of Range