

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF041223.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Apr 13 05:46:34 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BF132862.D 5 =BF132863.D 10 =BF132864.D 20 =BF132865.D 40 =BF132866.D 50 =BF132867.D 60 =BF132868.D 80 =BF132869.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.712	0.691	0.676	0.635	0.621	0.611	0.591	0.648	6.97	
3)	Pyridine	1.904	1.808	1.868	1.745	1.697	1.703	1.673	1.771	5.09	
4)	n-Nitrosodimet...	0.891	0.856	0.870	0.825	0.801	0.807	0.788	0.834	4.66	
5) S	2-Fluorophenol	1.500	1.415	1.430	1.262	1.199	1.190	1.134	1.304	10.89	
6)	Aniline	2.325	2.245	2.273	2.134	2.026	2.049	1.968	2.146	6.41	
7) S	Phenol-d6	1.906	1.833	1.811	1.612	1.517	1.516	1.451	1.664	10.97	
8)	2-Chlorophenol	1.493	1.417	1.402	1.289	1.202	1.188	1.124	1.302	10.60	
9)	Benzaldehyde		1.229	1.142	0.886	0.863	0.816		0.987	18.77	
10) C	Phenol	2.152	2.064	2.066	1.829	1.719	1.706	1.635	1.882	11.09	
11)	bis(2-Chloroet...	1.590	1.499	1.475	1.332	1.257	1.262	1.185	1.371	10.98	
12)	1,3-Dichlorobe...	1.633	1.553	1.544	1.380	1.285	1.288	1.224	1.415	11.31	
13) C	1,4-Dichlorobe...	1.666	1.571	1.563	1.382	1.290	1.286	1.206	1.423	12.37	
14)	1,2-Dichlorobe...	1.607	1.490	1.476	1.275	1.197	1.167	1.089	1.329	14.69	
15)	Benzyl Alcohol	1.110	1.134	1.139	1.111	1.054	1.061	1.005	1.088	4.50	
16)	2,2'-oxybis(1-...	2.589	2.465	2.445	2.240	2.082	2.097	1.958	2.268	10.40	
17)	2-Methylphenol	1.285	1.267	1.261	1.146	1.091	1.100	1.059	1.173	8.15	
18)	Hexachloroethane	0.559	0.519	0.514	0.484	0.449	0.448	0.420	0.485	10.07	
19) P	n-Nitroso-di-n...	0.991	1.006	1.015	1.016	0.942	0.890	0.908	0.879	0.956	6.07
20)	3+4-Methylphenols		1.658	1.626	1.586	1.352	1.277	1.229	1.153	1.412	14.71
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.564	0.517	0.521	0.454	0.419	0.420	0.399	0.471	13.42	
23) S	Nitrobenzene-d5	0.411	0.389	0.396	0.379	0.364	0.362	0.354	0.379	5.39	
24)	Nitrobenzene	0.426	0.396	0.399	0.383	0.369	0.370	0.361	0.386	5.80	
25)	Isophorone	0.731	0.693	0.701	0.689	0.658	0.679	0.666	0.688	3.51	
26) C	2-Nitrophenol	0.112	0.114	0.125	0.146	0.146	0.155	0.156	0.136	13.78	
27)	2,4-Dimethylph...	0.319	0.297	0.303	0.288	0.279	0.281	0.273	0.292	5.54	
28)	bis(2-Chloroet...	0.458	0.430	0.430	0.409	0.389	0.393	0.372	0.412	7.21	
29) C	2,4-Dichloroph...	0.280	0.274	0.278	0.274	0.264	0.264	0.258	0.270	3.11	
30)	1,2,4-Trichlor...	0.334	0.305	0.306	0.293	0.274	0.275	0.263	0.293	8.36	
31)	Naphthalene	1.180	1.102	1.087	0.988	0.919	0.920	0.869	1.009	11.43	
32)	Benzoic acid		0.085	0.100	0.131	0.141	0.154	0.160	0.128	23.52	
33)	4-Chloroaniline	0.443	0.418	0.431	0.406	0.393	0.393	0.381	0.409	5.47	
34) C	Hexachlorobuta...	0.183	0.166	0.169	0.163	0.152	0.155	0.145	0.162	7.62	
35)	Caprolactam	0.061	0.070	0.076	0.083	0.085	0.089	0.090	0.079	13.46	
36) C	4-Chloro-3-met...	0.289	0.288	0.290	0.288	0.279	0.284	0.281	0.286	1.51	
37)	2-Methylnaphth...	0.795	0.734	0.732	0.663	0.624	0.615	0.588	0.679	11.23	
38)	1-Methylnaphth...	0.735	0.697	0.688	0.622	0.579	0.570	0.545	0.634	11.61	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.646	0.601	0.596	0.558	0.519	0.531	0.501	0.565	9.23	
41) P	Hexachlorocycl...	0.260	0.245	0.253	0.292	0.272	0.291	0.282	0.271	6.86	
42) S	2,4,6-Tribromo...	0.177	0.180	0.191	0.195	0.190	0.197	0.198	0.190	4.36	
43) C	2,4,6-Trichlor...	0.352	0.343	0.350	0.356	0.339	0.350	0.339	0.347	1.91	
44)	2,4,5-Trichlor...	0.428	0.407	0.427	0.422	0.391	0.407	0.395	0.411	3.62	
45) S	2-Fluorobiphenyl	1.490	1.514	1.268	1.143	1.134		1.310		14.02	
46)	1,1'-Biphenyl	1.937	1.770	1.777	1.566	1.458	1.460	1.334	1.615	13.48	
47)	2-Chloronaphth...	1.368	1.250	1.285	1.157	1.063	1.080	1.026	1.176	10.94	
48)	2-Nitroaniline	0.236	0.265	0.305	0.358	0.351	0.369	0.374	0.323	17.00	
49)	Acenaphthylene	2.214	2.047	2.095	1.877	1.743	1.734	1.671	1.912	10.95	
50)	Dimethylphthalate	1.452	1.356	1.417	1.325	1.245	1.273	1.215	1.326	6.65	
51)	2,6-Dinitrotol...	0.277	0.280	0.294	0.300	0.292	0.302	0.292	0.291	3.24	
52) C	Acenaphthene	1.426	1.309	1.325	1.204	1.117	1.138	1.077	1.228	10.44	
53)	3-Nitroaniline	0.315	0.316	0.345	0.359	0.350	0.365	0.353	0.343	5.78	
54) P	2,4-Dinitrophenol	0.077	0.088	0.118	0.121	0.136	0.141	0.114		22.60	
55)	Dibenzofuran	2.057	1.872	1.919	1.700	1.568	1.565	1.487	1.738	12.34	
56) P	4-Nitrophenol	0.234	0.252	0.277	0.279	0.274	0.282	0.285	0.269	6.97	
57)	2,4-Dinitrotol...	0.298	0.327	0.355	0.390	0.385	0.388	0.382	0.361	9.91	
58)	Fluorene	1.583	1.437	1.454	1.236	1.147	1.148	1.075	1.297	14.88	
59)	2,3,4,6-Tetrac...	0.304	0.308	0.331	0.325	0.315	0.319	0.309	0.316	3.10	
60)	Diethylphthalate	1.222	1.188	1.259	1.219	1.161	1.190	1.122	1.194	3.74	
61)	4-Chlorophenyl...	0.740	0.672	0.678	0.596	0.553	0.558	0.530	0.618	12.80	
62)	4-Nitroaniline	0.299	0.300	0.334	0.351	0.352	0.359	0.357	0.336	7.80	
63)	Azobenzene	1.624	1.499	1.561	1.413	1.316	1.335	1.247	1.428	9.71	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.061	0.069	0.090	0.095	0.102	0.104	0.087		20.42	
66) c	n-Nitrosodiphe...	0.718	0.676	0.677	0.624	0.593	0.603	0.565	0.637	8.62	
67)	4-Bromophenyl-...	0.231	0.216	0.220	0.217	0.206	0.210	0.200	0.214	4.81	
68)	Hexachlorobenzene	0.240	0.231	0.232	0.223	0.210	0.219	0.210	0.224	5.10	
69)	Atrazine	0.152	0.163	0.165	0.175	0.170	0.173	0.165	0.166	4.74	
70) C	Pentachlorophenol	0.126	0.135	0.143	0.155	0.153	0.157	0.155	0.146	8.12	
71)	Phenanthrene	1.286	1.209	1.218	1.064	0.996	1.013	0.946	1.105	11.91	
72)	Anthracene	1.288	1.218	1.250	1.098	1.024	1.036	0.987	1.129	10.77	
73)	Carbazole	1.092	1.068	1.093	0.968	0.924	0.926	0.891	0.995	8.76	
74)	Di-n-butylphth...	0.640	0.735	0.810	0.912	0.904	0.935	0.895	0.833	13.25	
75) C	Fluoranthene	1.192	1.171	1.215	1.085	1.048	1.048	0.988	1.107	7.82	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.131	0.142	0.222	0.282	0.296	0.302	0.229		33.65	
78)	Pyrene	1.753	1.631	1.602	1.663	1.648	1.664	1.724	1.669	3.14	
79) S	Terphenyl-d14	1.231	1.142	1.130	1.126	1.116	1.129	1.152	1.147	3.40	
80)	Butylbenzylpht...	0.071	0.083	0.105	0.214	0.251	0.303	0.332	0.194	55.57	
81)	Benzo(a)anthra...	1.462	1.376	1.429	1.395	1.322	1.347	1.308	1.377	4.08	
82)	3,3'-Dichlorob...	0.203	0.244	0.294	0.301	0.319	0.317	0.280		16.61	
83)	Chrysene	1.466	1.367	1.402	1.339	1.251	1.308	1.268	1.343	5.64	
84)	Bis(2-ethylhex...	0.130	0.165	0.215	0.330	0.351	0.409	0.412	0.287	40.41	
85) c	Di-n-octyl pht...	0.193	0.324	0.485	0.501	0.625	0.642	0.462		37.81#	

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		-----ISTD-----	
86) I	Perylene-d12		
87)	Indeno(1,2,3-c...	0.881 0.869 0.995 1.211 1.280 1.356 1.406 1.143	19.68
88)	Benzo(b)fluora...	1.197 1.225 1.346 1.308 1.260 1.343 1.191 1.267	5.22
89)	Benzo(k)fluora...	1.395 1.399 1.337 1.391 1.180 1.232 1.161 1.299	8.12
90) C	Benzo(a)pyrene	1.111 1.122 1.190 1.204 1.136 1.184 1.150 1.157	3.14
91)	Dibenzo(a,h)an...	0.742 0.730 0.836 0.992 1.051 1.116 1.144 0.944	18.41
92)	Benzo(g,h,i)pe...	0.724 0.736 0.829 1.025 1.084 1.161 1.194 0.965	20.63

(#) = Out of Range