

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG083024.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Aug 31 02:36:01 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BG062607.D 5 =BG062608.D 10 =BG062609.D 20 =BG062610.D 40 =BG062611.D 50 =BG062612.D 60 =BG062613.D 80 =BG062614.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane		0.584	0.511	0.530	0.472	0.419	0.439	0.420	0.482	12.95
3)	Pyridine		1.408	1.386	1.437	1.413	1.327	1.369	1.383	1.389	2.56
4)	n-Nitrosodimet...		0.650	0.711	0.704	0.700	0.635	0.662	0.665	0.675	4.41
5) S	2-Fluorophenol		1.175	1.159	1.234	1.187	1.093	1.152	1.099	1.157	4.28
6)	Aniline		1.554	1.590	1.636	1.646	1.516	1.531	1.459	1.562	4.31
7) S	Phenol-d6		1.629	1.610	1.708	1.744	1.647	1.694	1.669	1.672	2.80
8)	2-Chlorophenol		1.285	1.210	1.264	1.267	1.197	1.251	1.222	1.242	2.63
9)	Benzaldehyde			1.121	1.114	0.959	0.832	0.836		0.972	14.57
10) C	Phenol		1.636	1.659	1.711	1.771	1.650	1.727	1.691	1.692	2.83
11)	bis(2-Chloroet...		1.356	1.314	1.324	1.325	1.221	1.280	1.249	1.296	3.69
12)	1,3-Dichlorobe...		1.462	1.392	1.392	1.370	1.302	1.339	1.286	1.363	4.42
13) C	1,4-Dichlorobe...		1.515	1.420	1.430	1.426	1.334	1.373	1.323	1.403	4.72
14)	1,2-Dichlorobe...		1.460	1.413	1.415	1.413	1.292	1.360	1.300	1.379	4.61
15)	Benzyl Alcohol		1.150	1.148	1.249	1.323	1.236	1.277	1.274	1.237	5.33
16)	2,2'-oxybis(1-...		2.613	2.497	2.575	2.396	2.396	2.472	2.334	2.469	4.11
17)	2-Methylphenol		1.178	1.188	1.220	1.220	1.116	1.185	1.150	1.180	3.14
18)	Hexachloroethane		0.535	0.521	0.553	0.534	0.503	0.534	0.503	0.526	3.48
19) P	n-Nitroso-di-n...	1.124	1.318	1.344	1.431	1.388	1.299	1.339	1.294	1.317	6.88
20)	3+4-Methylphenols		1.619	1.680	1.809	1.804	1.750	1.778	1.741	1.740	3.97
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone		0.546	0.554	0.566	0.548	0.488	0.551	0.525	0.540	4.78
23) S	Nitrobenzene-d5		0.350	0.356	0.382	0.381	0.349	0.395	0.386	0.371	5.08
24)	Nitrobenzene		0.372	0.376	0.408	0.414	0.367	0.419	0.408	0.395	5.59
25)	Isophorone		0.868	0.825	0.872	0.836	0.719	0.802	0.785	0.815	6.49
26) C	2-Nitrophenol		0.115	0.134	0.153	0.156	0.146	0.170	0.171	0.149	13.20
27)	2,4-Dimethylph...		0.198	0.219	0.227	0.228	0.203	0.230	0.226	0.219	5.85
28)	bis(2-Chloroet...		0.448	0.423	0.448	0.459	0.401	0.458	0.418	0.436	5.08
29) C	2,4-Dichloroph...		0.295	0.284	0.310	0.317	0.285	0.340	0.309	0.306	6.48
30)	1,2,4-Trichlor...		0.366	0.356	0.371	0.362	0.339	0.390	0.353	0.362	4.35
31)	Naphthalene		1.035	0.993	1.045	1.007	0.895	1.001	0.965	0.991	5.07
32)	Benzoic acid			0.169	0.245	0.246	0.229	0.262	0.258	0.235	14.57
33)	4-Chloroaniline		0.398	0.392	0.401	0.399	0.359	0.396	0.384	0.390	3.85
34) C	Hexachlorobuta...		0.272	0.264	0.258	0.249	0.224	0.257	0.248	0.253	5.97
35)	Caprolactam		0.125	0.120	0.128	0.123	0.105	0.113	0.110	0.118	7.20
36) C	4-Chloro-3-met...		0.376	0.358	0.389	0.385	0.334	0.371	0.367	0.369	4.98
37)	2-Methylnaphth...		0.812	0.779	0.800	0.790	0.691	0.767	0.744	0.769	5.29
38)	1-Methylnaphth...		0.820	0.765	0.821	0.792	0.690	0.768	0.748	0.772	5.89

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG083024.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.613	0.590	0.602	0.607	0.587	0.613	0.598	0.601	1.72	
41) P	Hexachlorocycl...	0.129	0.157	0.180	0.178	0.195	0.192	0.172		14.45	
42) S	2,4,6-Tribromo...	0.288	0.283	0.287	0.291	0.276	0.278	0.266	0.281	3.02	
43) C	2,4,6-Trichlor...	0.356	0.373	0.379	0.395	0.379	0.398	0.390	0.381	3.86	
44)	2,4,5-Trichlor...	0.384	0.422	0.436	0.452	0.433	0.451	0.445	0.432	5.46	
45) S	2-Fluorobiphenyl	1.311	1.269	1.263	1.260	1.193	1.216	1.132	1.235	4.80	
46)	1,1'-Biphenyl	1.379	1.361	1.356	1.361	1.284	1.328	1.270	1.334	3.14	
47)	2-Chloronaphth...	1.114	1.075	1.105	1.102	1.042	1.088	1.043	1.081	2.72	
48)	2-Nitroaniline	0.237	0.251	0.274	0.299	0.302	0.313	0.315	0.284	10.89	
49)	Acenaphthylene	1.588	1.606	1.626	1.664	1.575	1.610	1.541	1.601	2.44	
50)	Dimethylphthalate	1.539	1.517	1.519	1.493	1.402	1.420	1.347	1.462	4.98	
51)	2,6-Dinitrotol...	0.236	0.248	0.274	0.298	0.288	0.299	0.293	0.277	9.06	
52) C	Acenaphthene	1.037	1.017	1.026	1.016	0.965	0.996	0.951	1.001	3.23	
53)	3-Nitroaniline	0.236	0.240	0.269	0.289	0.277	0.286	0.277	0.268	7.98	
54) P	2,4-Dinitrophenol	0.116	0.146	0.161	0.161	0.170	0.177	0.155		14.07	
55)	Dibenzofuran	1.820	1.763	1.769	1.747	1.642	1.683	1.593	1.717	4.68	
56) P	4-Nitrophenol	0.196	0.205	0.230	0.245	0.237	0.241	0.233	0.227	8.34	
57)	2,4-Dinitrotol...	0.329	0.341	0.372	0.399	0.397	0.407	0.398	0.377	8.29	
58)	Fluorene	1.475	1.414	1.425	1.353	1.268	1.285	1.211	1.347	7.15	
59)	2,3,4,6-Tetrac...	0.416	0.423	0.411	0.410	0.400	0.408	0.396	0.409	2.20	
60)	Diethylphthalate	1.625	1.516	1.498	1.460	1.364	1.370	1.313	1.449	7.44	
61)	4-Chlorophenyl...	0.856	0.810	0.802	0.775	0.731	0.743	0.697	0.773	7.00	
62)	4-Nitroaniline	0.271	0.283	0.310	0.310	0.300	0.301	0.290	0.295	4.93	
63)	Azobenzene	1.479	1.423	1.409	1.386	1.292	1.299	1.241	1.361	6.26	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.071	0.084	0.091	0.091	0.098	0.100	0.089		11.67	
66) c	n-Nitrosodiphe...	0.496	0.481	0.500	0.491	0.452	0.482	0.465	0.481	3.61	
67)	4-Bromophenyl-...	0.205	0.201	0.213	0.210	0.198	0.208	0.208	0.206	2.46	
68)	Hexachlorobenzene	0.245	0.239	0.250	0.249	0.235	0.248	0.245	0.244	2.26	
69)	Atrazine	0.194	0.190	0.168	0.142	0.123		0.163		18.53	
70) C	Pentachlorophenol	0.136	0.156	0.164	0.155	0.166	0.162	0.157		7.03	
71)	Phenanthrene	0.987	0.955	0.977	0.953	0.882	0.913	0.868	0.934	4.97	
72)	Anthracene	0.940	0.931	0.966	0.947	0.870	0.908	0.863	0.918	4.30	
73)	Carbazole	0.902	0.876	0.886	0.852	0.793	0.824	0.775	0.844	5.72	
74)	Di-n-butylphth...	0.969	0.968	0.998	0.980	0.913	0.947	0.886	0.952	4.15	
75) C	Fluoranthene	1.335	1.249	1.234	1.184	1.097	1.125	1.041	1.181	8.55	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.329	0.313	0.359	0.441	0.336	0.377	0.369	0.360	11.70	
78)	Pyrene	1.360	1.322	1.348	1.299	1.210	1.216	1.143	1.271	6.45	
79) S	Terphenyl-d14	1.120	1.079	1.075	0.994	0.896	0.888	1.009		9.84	
80)	Butylbenzylpht...	0.359	0.345	0.374	0.387	0.372	0.392	0.385	0.373	4.50	
81)	Benzo(a)anthra...	1.333	1.285	1.293	1.278	1.211	1.241	1.188	1.261	3.99	
82)	3,3'-Dichlorob...	0.427	0.410	0.434	0.420	0.392	0.407	0.386	0.411	4.34	
83)	Chrysene	1.289	1.224	1.259	1.221	1.152	1.191	1.121	1.208	4.84	
84)	Bis(2-ethylhex...	0.544	0.542	0.575	0.586	0.564	0.590	0.571	0.567	3.30	
85) c	Di-n-octyl pht...	0.927	0.928	1.000	1.032	0.999	1.052	1.014	0.993	4.87	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG083024.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.293	1.265	1.295	1.303	1.243	1.303	1.276	1.282	1.75	
88)	Benzo(b)fluora...	1.129	1.086	1.140	1.121	1.069	1.116	1.071	1.105	2.61	
89)	Benzo(k)fluora...	1.136	1.081	1.102	1.110	1.019	1.073	1.043	1.081	3.70	
90) C	Benzo(a)pyrene	1.004	0.971	0.994	0.993	0.941	0.977	0.952	0.976	2.40	
91)	Dibenzo(a,h)an...	1.070	1.027	1.076	1.067	1.025	1.077	1.053	1.056	2.10	
92)	Benzo(g,h,i)pe...	1.060	1.044	1.084	1.089	1.026	1.091	1.063	1.065	2.28	

(#) = Out of Range