

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG120423.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Dec 05 02:26:15 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BG059935.D 5 =BG059936.D 10 =BG059937.D 20 =BG059938.D 40 =BG059939.D 50 =BG059940.D 60 =BG059941.D 80 =BG059942.D

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

1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.367	0.321	0.429	0.358	0.308	0.297	0.275	0.337	15.51	
3)	Pyridine	1.223	0.959	0.954	1.087	0.873	0.958	0.977	1.004	11.44	
4)	n-Nitrosodimet...	0.561	0.460	0.714	0.557	0.477	0.453	0.474	0.528	17.64	
5) S	2-Fluorophenol	0.954	1.026	1.017	1.024	1.010	1.013	0.922	0.995	4.06	
6)	Aniline	1.614	1.413	1.700	2.355	1.647	1.676	1.715	1.732	16.93	
7) S	Phenol-d6	1.488	1.352	1.686	1.743	1.535	1.576	1.601	1.569	8.23	
8)	2-Chlorophenol	0.881	0.873	1.027	1.010	0.997	1.002	1.006	0.971	6.68	
9)	Benzaldehyde	1.171	1.262	1.251	1.216	0.927		1.165		11.82	
10) C	Phenol	1.498	1.429	1.651	1.745	1.558	1.521	1.582	1.569	6.64	
11)	bis(2-Chloroet...	1.053	1.046	1.208	1.079	1.055	1.104	1.100	1.092	5.15	
12)	1,3-Dichlorobe...	1.279	1.348	1.634	1.286	1.322	1.470	1.442	1.397	9.15	
13) C	1,4-Dichlorobe...	1.448	1.454	1.551	1.368	1.439	1.421	1.445	1.447	3.76	
14)	1,2-Dichlorobe...	1.412	1.382	1.542	1.408	1.354	1.409	1.421	1.418	4.17	
15)	Benzyl Alcohol	1.396	1.405	1.576	1.749	1.562	1.633	1.531	1.550	8.00	
16)	2,2'-oxybis(1-...	0.558	0.548	0.634	0.631	0.505	0.561	0.577	0.574	8.04	
17)	2-Methylphenol	1.068	0.976	1.135	1.168	0.956	1.059	1.041	1.057	7.27	
18)	Hexachloroethane	0.539	0.592	0.596	0.546	0.556	0.555	0.545	0.561	4.14	
19) P	n-Nitroso-di-n...	0.970	1.035	1.183	1.277	1.342	1.200	1.202	1.196	1.176	10.26
20)	3+4-Methylphenols	1.417	1.350	1.594	1.697	1.447	1.493	1.505	1.501	7.70	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.628	0.615	0.664	0.670	0.628	0.655	0.614	0.639	3.65	
23) S	Nitrobenzene-d5	0.563	0.532	0.566	0.597	0.549	0.570	0.541	0.559	3.85	
24)	Nitrobenzene	0.540	0.555	0.586	0.570	0.545	0.574	0.548	0.560	3.09	
25)	Isophorone	0.986	0.934	1.049	1.003	0.916	0.965	0.880	0.962	5.92	
26) C	2-Nitrophenol	0.165	0.154	0.204	0.180	0.173	0.190	0.180	0.178	9.08	
27)	2,4-Dimethylph...	0.221	0.250	0.262	0.310	0.232	0.223	0.213	0.244	13.70	
28)	bis(2-Chloroet...	0.518	0.420	0.476	0.457	0.418	0.446	0.428	0.452	7.91	
29) C	2,4-Dichloroph...	0.457	0.441	0.533	0.499	0.485	0.506	0.485	0.487	6.28	
30)	1,2,4-Trichlor...	0.676	0.730	0.755	0.667	0.688	0.742	0.707	0.710	4.78	
31)	Naphthalene	1.028	1.032	1.063	1.016	0.999	1.055	1.003	1.028	2.38	
32)	Benzoic acid		0.215	0.235	0.221	0.229	0.249	0.248	0.233	5.96	
33)	4-Chloroaniline	0.420	0.377	0.399	0.448	0.382	0.405	0.376	0.401	6.52	
34) C	Hexachlorobuta...	0.810	0.790	0.839	0.770	0.789	0.827	0.744	0.796	4.10	
35)	Caprolactam	0.108	0.111	0.100	0.106	0.093	0.102	0.095	0.102	6.35	
36) C	4-Chloro-3-met...	0.411	0.386	0.380	0.430	0.359	0.422	0.416	0.401	6.49	
37)	2-Methylnaphth...	0.947	0.882	0.819	0.933	0.811	0.898	0.818	0.873	6.55	
38)	1-Methylnaphth...	0.864	0.876	0.845	0.847	0.859	0.881	0.792	0.852	3.49	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	1.351	1.377	1.317	1.501	1.540	1.538	1.371	1.428	6.65
41) P	Hexachlorocycl...	0.751	0.631	0.654	0.912	0.731	0.741	0.644	0.723	13.41
42) S	2,4,6-Tribromo...	0.607	0.610	0.664	0.682	0.620	0.693	0.629	0.643	5.50
43) C	2,4,6-Trichlor...	0.732	0.729	0.688	0.736	0.766	0.769	0.698	0.731	4.18
44)	2,4,5-Trichlor...	0.735	0.740	0.773	0.859	0.851	0.876	0.793	0.804	7.25
45) S	2-Fluorobiphenyl	1.776	1.767	1.736	1.911	1.970	1.948	1.727	1.834	5.73
46)	1,1'-Biphenyl	1.419	1.443	1.354	1.498	1.511	1.581	1.424	1.462	5.08
47)	2-Chloronaphth...	1.353	1.254	1.238	1.251	1.394	1.393	1.272	1.308	5.33
48)	2-Nitroaniline	0.214	0.228	0.227	0.266	0.265	0.279	0.257	0.248	9.98
49)	Acenaphthylene	1.717	1.631	1.689	1.843	1.841	1.850	1.679	1.750	5.26
50)	Dimethylphthalate	1.605	1.594	1.702	1.776	1.778	1.799	1.664	1.703	4.99
51)	2,6-Dinitrotol...	0.336	0.337	0.381	0.380	0.396	0.407	0.373	0.373	7.25
52) C	Acenaphthene	1.204	1.280	1.286	1.307	1.205	1.318	1.243	1.263	3.68
53)	3-Nitroaniline	0.237	0.218	0.226	0.252	0.220	0.238	0.229	0.231	5.16
54) P	2,4-Dinitrophenol	0.288	0.299	0.332	0.336	0.325	0.353	0.345	0.325	7.27
55)	Dibenzofuran	2.135	2.092	2.192	2.267	1.996	2.190	2.042	2.131	4.42
56) P	4-Nitrophenol	0.215	0.193	0.207	0.198	0.189	0.208	0.194	0.201	4.73
57)	2,4-Dinitrotol...	0.476	0.500	0.531	0.544	0.497	0.559	0.524	0.519	5.57
58)	Fluorene	1.775	1.741	1.825	1.933	1.771	1.883	1.764	1.813	3.91
59)	2,3,4,6-Tetrac...	0.945	0.952	0.964	0.994	0.917	0.993	0.929	0.956	3.11
60)	Diethylphthalate	1.531	1.514	1.527	1.628	1.400	1.551	1.463	1.516	4.69
61)	4-Chlorophenyl...	1.661	1.505	1.636	1.763	1.604	1.749	1.596	1.645	5.48
62)	4-Nitroaniline	0.304	0.267	0.258	0.276	0.252	0.266	0.242	0.266	7.48
63)	Azobenzene	1.611	1.591	1.612	1.709	1.494	1.564	1.431	1.573	5.70
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.162	0.135	0.154	0.159	0.147	0.162	0.150	0.153	6.50
66) c	n-Nitrosodiphe...	0.450	0.429	0.453	0.489	0.443	0.486	0.457	0.458	4.77
67)	4-Bromophenyl-...	0.322	0.332	0.350	0.362	0.340	0.342	0.351	0.343	3.84
68)	Hexachlorobenzene	0.370	0.354	0.395	0.386	0.376	0.388	0.395	0.381	3.88
69)	Atrazine	0.276	0.260	0.242	0.192	0.209	0.212	0.193	0.226	14.81
70) C	Pentachlorophenol	0.286	0.280	0.276	0.280	0.265	0.272	0.273	0.276	2.52
71)	Phenanthrene	0.964	0.909	0.974	1.021	0.905	0.932	0.904	0.944	4.66
72)	Anthracene	1.001	0.929	0.975	1.069	0.924	0.946	0.914	0.965	5.69
73)	Carbazole	0.774	0.722	0.755	0.763	0.695	0.722	0.704	0.734	4.16
74)	Di-n-butylphth...	0.663	0.616	0.646	0.667	0.603	0.628	0.620	0.635	3.85
75) C	Fluoranthene	1.723	1.626	1.646	1.642	1.445	1.461	1.321	1.552	9.29
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.180	0.098	0.189	0.214	0.103	0.256	0.138	0.169	34.55
78)	Pyrene	1.196	1.103	1.148	1.156	1.041	0.917	0.890	1.064	11.30
79) S	Terphenyl-d14	1.319	1.230	1.241	1.088	0.923			1.160	13.49
80)	Butylbenzylphth...	0.156	0.149	0.156	0.161	0.144	0.150	0.141	0.151	4.82
81)	Benzo(a)anthra...	1.454	1.375	1.424	1.450	1.292	1.227	1.120	1.334	9.52
82)	3,3'-Dichlorob...	0.457	0.427	0.442	0.500	0.400	0.437	0.405	0.438	7.70
83)	Chrysene	1.377	1.286	1.339	1.340	1.213	1.161	1.041	1.251	9.58
84)	Bis(2-ethylhex...	0.238	0.217	0.231	0.244	0.222	0.232	0.233	0.231	3.96
85) c	Di-n-octyl pht...	0.396	0.367	0.400	0.426	0.391	0.401	0.414	0.399	4.60

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.456	1.571	1.514	1.553	1.435	1.356	1.453	1.477	5.04
88)	Benzo(b)fluora...	1.255	1.223	1.296	1.253	1.205	1.222	1.199	1.236	2.75
89)	Benzo(k)fluora...	1.244	1.196	1.244	1.265	1.152	1.188	1.142	1.205	3.99
90) C	Benzo(a)pyrene	1.097	1.091	1.121	1.212	1.058	1.104	1.046	1.104	4.90
91)	Dibenzo(a,h)an...	1.255	1.374	1.264	1.321	1.216	1.130	1.217	1.254	6.26
92)	Benzo(g,h,i)pe...	1.215	1.335	1.232	1.250	1.159	1.104	1.195	1.213	5.99

(#) = Out of Range