

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG111623.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Nov 17 01:51:38 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BG059712.D 5 =BG059713.D 10 =BG059714.D 20 =BG059715.D 40 =BG059716.D 50 =BG059717.D 60 =BG059718.D 80 =BG059719.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.547	0.700	0.503	0.414	0.582	0.700	0.460	0.558	19.94	
3)	Pyridine	1.377	1.948	1.464	1.371	1.711	1.433	1.366	1.524	14.58	
4)	n-Nitrosodimet...	0.769	0.979	0.747	0.703	0.908	0.775	0.796	0.811	12.00	
5) S	2-Fluorophenol	1.356	1.071	1.156	1.138	1.060	1.336	1.201	1.188	9.96	
6)	Aniline	2.298	1.983	2.517	2.267	2.071	2.708	2.423	2.324	10.81	
7) S	Phenol-d6	1.747	1.492	1.840	1.740	1.629	2.082	1.796	1.761	10.39	
8)	2-Chlorophenol	1.474	0.990	1.251	1.348	1.197	1.427	1.337	1.289	12.61	
9)	Benzaldehyde	1.477	1.079	1.258	1.120	1.065	1.265	1.068	1.190	12.87	
10) C	Phenol	1.588	1.654	1.945	1.813	1.712	2.093	1.899	1.815	9.78	
11)	bis(2-Chloroet...	1.111	1.030	1.200	1.139	1.006	1.246	1.175	1.130	7.75	
12)	1,3-Dichlorobe...	1.554	1.264	1.433	1.404	1.309	1.600	1.459	1.432	8.45	
13) C	1,4-Dichlorobe...	1.509	1.230	1.568	1.388	1.230	1.636	1.504	1.438	11.16	
14)	1,2-Dichlorobe...	1.667	1.185	1.538	1.350	1.232	1.557	1.472	1.429	12.51	
15)	Benzyl Alcohol	1.760	1.736	2.086	2.049	1.898	2.387	2.139	2.008	11.43	
16)	2,2'-oxybis(1-...	0.512	0.366	0.373	0.369	0.380	0.494	0.416	0.416	14.95	
17)	2-Methylphenol	1.448	1.121	1.344	1.325	1.257	1.487	1.374	1.337	9.13	
18)	Hexachloroethane	0.636	0.521	0.616	0.597	0.538	0.728	0.637	0.610	11.31	
19) P	n-Nitroso-di-n...	1.341	1.418	1.272	1.321	1.417	1.331	1.586	1.406	1.387	6.93
20)	3+4-Methylphenols	1.738	1.682	1.854	1.856	1.770	2.240	1.850	1.856	9.81	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.530	0.459	0.587	0.585	0.539	0.625	0.639	0.566	10.96	
23) S	Nitrobenzene-d5	0.412	0.438	0.529	0.558	0.516	0.587	0.625	0.524	14.66	
24)	Nitrobenzene	0.386	0.428	0.475	0.517	0.454	0.541	0.575	0.482	13.72	
25)	Isophorone	0.854	0.769	0.841	0.914	0.832	0.938	1.006	0.879	8.95	
26) C	2-Nitrophenol	0.185	0.136	0.178	0.176	0.160	0.198	0.206	0.177	13.30	
27)	2,4-Dimethylph...	0.450	0.287	0.345	0.358	0.333	0.359	0.383	0.360	13.85	
28)	bis(2-Chloroet...	0.312	0.270	0.332	0.335	0.330	0.366	0.367	0.330	10.00	
29) C	2,4-Dichloroph...	0.279	0.262	0.323	0.333	0.301	0.326	0.324	0.307	8.85	
30)	1,2,4-Trichlor...	0.276	0.257	0.330	0.327	0.299	0.338	0.343	0.310	10.74	
31)	Naphthalene	0.978	0.841	1.051	1.085	0.967	1.038	1.080	1.006	8.53	
32)	Benzoic acid		0.195	0.206	0.244	0.239	0.296	0.287	0.245	16.73	
33)	4-Chloroaniline	0.396	0.398	0.416	0.455	0.418	0.446	0.465	0.428	6.44	
34) C	Hexachlorobuta...	0.209	0.174	0.217	0.214	0.203	0.217	0.243	0.211	9.65	
35)	Caprolactam	0.130	0.105	0.116	0.111	0.096	0.114	0.113	0.112	9.30	
36) C	4-Chloro-3-met...	0.355	0.362	0.429	0.422	0.407	0.445	0.437	0.408	8.81	
37)	2-Methylnaphth...	0.853	0.723	0.858	0.906	0.829	0.874	0.885	0.847	7.05	
38)	1-Methylnaphth...	0.796	0.717	0.782	0.822	0.775	0.763	0.811	0.781	4.45	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG111623.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.507	0.481	0.539	0.546	0.531	0.548	0.630	0.540	8.60	
41) P	Hexachlorocycl...	0.272	0.300	0.336	0.344	0.339	0.359	0.420	0.339	13.73	
42) S	2,4,6-Tribromo...	0.191	0.212	0.233	0.228	0.240	0.221	0.263	0.227	10.01	
43) C	2,4,6-Trichlor...	0.366	0.315	0.401	0.385	0.384	0.371	0.408	0.376	8.20	
44)	2,4,5-Trichlor...	0.442	0.388	0.470	0.445	0.426	0.426	0.492	0.441	7.57	
45) S	2-Fluorobiphenyl	1.405	1.253	1.527	1.517	1.443	1.560	1.696	1.486	9.32	
46)	1,1'-Biphenyl	1.500	1.453	1.629	1.572	1.534	1.587	1.713	1.570	5.47	
47)	2-Chloronaphth...	1.015	0.988	1.121	1.050	1.048	1.104	1.224	1.079	7.36	
48)	2-Nitroaniline	0.328	0.305	0.372	0.395	0.413	0.414	0.468	0.385	14.37	
49)	Acenaphthylene	1.822	1.554	1.930	1.813	1.805	1.878	2.074	1.839	8.55	
50)	Dimethylphthalate	1.397	1.396	1.622	1.531	1.543	1.600	1.760	1.550	8.29	
51)	2,6-Dinitrotol...	0.293	0.263	0.300	0.286	0.295	0.295	0.327	0.294	6.49	
52) C	Acenaphthene	0.994	0.978	1.161	1.118	1.080	1.144	1.268	1.106	9.07	
53)	3-Nitroaniline	0.339	0.300	0.375	0.347	0.339	0.339	0.371	0.344	7.20	
54) P	2,4-Dinitrophenol	0.198	0.196	0.241	0.210	0.220	0.224	0.240	0.218	8.29	
55)	Dibenzofuran	1.708	1.659	1.946	1.802	1.787	1.839	2.026	1.824	7.02	
56) P	4-Nitrophenol	0.280	0.231	0.266	0.251	0.264	0.262	0.288	0.263	7.05	
57)	2,4-Dinitrotol...	0.395	0.411	0.488	0.438	0.466	0.459	0.508	0.452	8.95	
58)	Fluorene	1.319	1.394	1.608	1.538	1.480	1.521	1.747	1.515	9.22	
59)	2,3,4,6-Tetrac...	0.408	0.369	0.402	0.370	0.370	0.379	0.418	0.388	5.34	
60)	Diethylphthalate	1.450	1.584	1.753	1.613	1.677	1.692	1.866	1.662	7.94	
61)	4-Chlorophenyl...	0.705	0.679	0.807	0.779	0.808	0.799	0.882	0.780	8.77	
62)	4-Nitroaniline	0.356	0.302	0.419	0.315	0.334	0.324	0.364	0.345	11.35	
63)	Azobenzene	1.554	1.676	1.992	1.862	1.866	1.853	2.125	1.847	10.22	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.099	0.115	0.134	0.125	0.121	0.123	0.137	0.122	10.35	
66) c	n-Nitrosodiphe...	0.497	0.543	0.625	0.626	0.565	0.609	0.625	0.584	8.67	
67)	4-Bromophenyl-...	0.205	0.186	0.216	0.221	0.201	0.227	0.248	0.215	9.44	
68)	Hexachlorobenzene	0.188	0.187	0.202	0.210	0.188	0.212	0.217	0.201	6.44	
69)	Atrazine	0.204	0.216	0.212	0.182	0.161	0.176	0.161	0.187	12.36	
70) C	Pentachlorophenol	0.142	0.136	0.158	0.164	0.147	0.162	0.163	0.153	7.43	
71)	Phenanthrene	0.909	0.968	1.031	1.067	0.978	1.062	1.102	1.017	6.65	
72)	Anthracene	0.988	1.011	1.076	1.118	0.991	1.070	1.142	1.057	5.81	
73)	Carbazole	0.931	0.885	0.949	0.965	0.840	0.910	0.979	0.923	5.26	
74)	Di-n-butylphth...	1.059	1.069	1.177	1.165	1.043	1.112	1.184	1.116	5.37	
75) C	Fluoranthene	1.183	1.219	1.281	1.215	1.114	1.238	1.287	1.219	4.88	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.563	0.516	0.460	0.450	0.416	0.368	0.402	0.454	14.90	
78)	Pyrene	1.185	1.284	1.292	1.399	1.329	1.424	1.613	1.361	10.04	
79) S	Terphenyl-d14	1.241	1.201	1.305	1.380	1.303	1.407	1.646	1.355	10.87	
80)	Butylbenzylpht...	0.485	0.500	0.545	0.566	0.566	0.575	0.668	0.558	10.69	
81)	Benzo(a)anthra...	1.279	1.307	1.327	1.396	1.346	1.340	1.584	1.368	7.42	
82)	3,3'-Dichlorob...	0.493	0.480	0.516	0.521	0.492	0.503	0.563	0.510	5.40	
83)	Chrysene	1.156	1.175	1.252	1.295	1.196	1.251	1.456	1.254	8.09	
84)	Bis(2-ethylhex...	0.681	0.728	0.752	0.805	0.778	0.794	0.923	0.780	9.73	
85) c	Di-n-octyl pht...	1.250	1.548	1.611	1.779	1.345	1.403	1.576	1.502	11.99	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG111623.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.341	1.408	1.541	1.571	1.492	1.619	1.621	1.513	7.04
88)	Benzo(b)fluora...	1.020	1.096	1.132	1.308	1.043	0.952	1.123	1.096	10.30
89)	Benzo(k)fluora...	0.927	1.066	1.217	1.272	1.042	0.925	1.137	1.084	12.37
90) C	Benzo(a)pyrene	1.096	1.073	1.182	1.245	1.169	1.163	1.262	1.170	5.96
91)	Dibenzo(a,h)an...	1.216	1.158	1.327	1.304	1.241	1.360	1.357	1.280	6.02
92)	Benzo(g,h,i)pe...	1.128	1.156	1.220	1.253	1.160	1.304	1.282	1.215	5.62

(#) = Out of Range