

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM031119.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Mar 11 17:30:46 2019
 Response Via : Initial Calibration

Calibration Files

2.5 =BM019090.D 10 =BM019091.D 25 =BM019092.D 40 =BM019093.D 50 =BM019094.D 60 =BM019095.D 80 =BM019096.D

Compound	2.5	10	25	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.650	0.538	0.540	0.521	0.532	0.532	0.534	0.549	8.12
3) Pyridine	1.269	1.488	1.600	1.560	1.468	1.519	1.559	1.495	7.33
4) n-Nitrosodimet...	0.546	0.389	0.428	0.464	0.467	0.470	0.489	0.465	10.57
5) S 2-Fluorophenol	1.181	1.180	1.235	1.220	1.255	1.273	1.302	1.235	3.69
6) Aniline	2.093	2.188	2.348	2.318	2.442	2.454	2.482	2.332	6.26
7) S Phenol-d6	1.563	1.693	1.815	1.813	1.888	1.909	1.964	1.806	7.63
8) 2-Chlorophenol	1.382	1.434	1.480	1.460	1.533	1.536	1.564	1.484	4.36
9) Benzaldehyde	1.267	1.281	1.264	1.135	1.083	1.026	0.897	1.136	12.79
10) C Phenol	1.706	1.847	1.942	1.952	2.042	2.044	2.095	1.947	6.91
11) bis(2-Chloroet...	1.358	1.407	1.490	1.486	1.539	1.550	1.569	1.486	5.24
12) 1,3-Dichlorobe...	1.586	1.540	1.556	1.530	1.583	1.590	1.609	1.571	1.83
13) C 1,4-Dichlorobe...	1.582	1.596	1.600	1.556	1.611	1.617	1.645	1.601	1.75
14) 1,2-Dichlorobe...	1.532	1.525	1.580	1.516	1.572	1.587	1.593	1.558	2.08
15) Benzyl Alcohol	1.294	1.362	1.498	1.508	1.583	1.601	1.619	1.495	8.30
16) 2,2'-oxybis(1-...	1.556	1.488	1.511	1.476	1.532	1.533	1.522	1.517	1.82
17) 2-Methylphenol	1.117	1.233	1.272	1.264	1.323	1.336	1.336	1.269	6.12
18) Hexachloroethane	0.567	0.566	0.596	0.590	0.610	0.611	0.625	0.595	3.81
19) P n-Nitroso-di-n...	1.288	1.403	1.525	1.494	1.550	1.553	1.560	1.482	6.83
20) 3+4-Methylphenols	1.396	1.627	1.759	1.748	1.826	1.835	1.862	1.722	9.50
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.499	0.542	0.554	0.554	0.571	0.571	0.579	0.553	4.87
23) S Nitrobenzene-d5	0.382	0.407	0.427	0.421	0.439	0.441	0.443	0.423	5.20
24) Nitrobenzene	0.405	0.424	0.444	0.439	0.454	0.457	0.458	0.440	4.43
25) Isophorone	0.736	0.770	0.814	0.807	0.840	0.842	0.843	0.807	5.08
26) C 2-Nitrophenol	0.132	0.167	0.185	0.190	0.197	0.200	0.205	0.182	13.93
27) 2,4-Dimethylph...	0.242	0.258	0.275	0.271	0.283	0.283	0.286	0.271	5.93
28) bis(2-Chloroet...	0.441	0.467	0.483	0.476	0.493	0.490	0.495	0.478	3.99
29) C 2,4-Dichloroph...	0.237	0.280	0.305	0.307	0.322	0.323	0.328	0.300	10.70
30) 1,2,4-Trichlor...	0.338	0.329	0.333	0.330	0.342	0.347	0.351	0.339	2.50
31) Naphthalene	1.079	1.041	1.043	1.027	1.062	1.065	1.062	1.054	1.70
32) Benzoic acid		0.173	0.215	0.230	0.247	0.252	0.260	0.230	14.03
33) 4-Chloroaniline	0.359	0.411	0.440	0.437	0.457	0.458	0.464	0.432	8.54
34) C Hexachlorobuta...	0.196	0.188	0.193	0.190	0.197	0.198	0.199	0.194	2.15
35) Caprolactam	0.075	0.099	0.111	0.111	0.117	0.118	0.117	0.107	14.58
36) C 4-Chloro-3-met...	0.320	0.354	0.376	0.374	0.389	0.389	0.391	0.371	6.96
37) 2-Methylnaphth...	0.768	0.748	0.766	0.746	0.777	0.773	0.784	0.766	1.87
38) 1-Methylnaphth...	0.751	0.745	0.749	0.740	0.769	0.767	0.765	0.755	1.57

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM031119.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.609	0.604	0.623	0.624	0.648	0.658	0.662	0.633	3.69	
41) P	Hexachlorocycl...		0.203	0.263	0.289	0.309	0.320	0.334	0.287	16.77	
42) S	2,4,6-Tribromo...	0.236	0.272	0.294	0.298	0.317	0.321	0.328	0.295	10.98	
43) C	2,4,6-Trichlor...	0.328	0.380	0.414	0.416	0.436	0.441	0.448	0.409	10.36	
44)	2,4,5-Trichlor...	0.350	0.392	0.438	0.448	0.472	0.475	0.484	0.437	11.25	
45) S	2-Fluorobiphenyl	1.526	1.502	1.519	1.503	1.569	1.574	1.571	1.538	2.13	
46)	1,1'-Biphenyl	1.711	1.707	1.739	1.712	1.783	1.790	1.785	1.747	2.18	
47)	2-Chloronaphth...	1.263	1.264	1.304	1.280	1.333	1.340	1.342	1.304	2.69	
48)	2-Nitroaniline	0.319	0.387	0.448	0.459	0.480	0.480	0.487	0.437	14.26	
49)	Acenaphthylene	2.029	2.135	2.222	2.183	2.272	2.282	2.308	2.204	4.45	
50)	Dimethylphthalate	1.697	1.681	1.718	1.670	1.742	1.740	1.729	1.711	1.68	
51)	2,6-Dinitrotol...	0.302	0.349	0.375	0.377	0.393	0.394	0.398	0.370	9.20	
52) C	Acenaphthene	1.276	1.221	1.258	1.237	1.287	1.294	1.293	1.267	2.27	
53)	3-Nitroaniline		0.333	0.385	0.387	0.414	0.413	0.419	0.392	8.21	
54) P	2,4-Dinitrophenol		0.136	0.197	0.217	0.238	0.244	0.258	0.215	20.64	
55)	Dibenzofuran	2.056	1.985	2.034	1.984	2.066	2.085	2.090	2.043	2.16	
56) P	4-Nitrophenol		0.239	0.307	0.321	0.343	0.353	0.357	0.320	13.76	
57)	2,4-Dinitrotol...		0.470	0.526	0.526	0.557	0.566	0.577	0.537	7.26	
58)	Fluorene	1.591	1.604	1.669	1.656	1.740	1.759	1.768	1.684	4.32	
59)	2,3,4,6-Tetrac...	0.358	0.378	0.409	0.409	0.426	0.434	0.435	0.407	7.18	
60)	Diethylphthalate	1.686	1.668	1.723	1.711	1.780	1.784	1.777	1.733	2.77	
61)	4-Chlorophenyl...	0.791	0.773	0.803	0.802	0.843	0.850	0.864	0.818	4.20	
62)	4-Nitroaniline		0.319	0.384	0.388	0.420	0.427	0.431	0.395	10.65	
63)	Azobenzene	1.589	1.765	1.863	1.836	1.909	1.903	1.899	1.823	6.32	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.100	0.128	0.132	0.138	0.142	0.146	0.131	12.76	
66) c	n-Nitrosodiphe...	0.583	0.615	0.644	0.637	0.653	0.661	0.664	0.637	4.57	
67)	4-Bromophenyl-...	0.203	0.211	0.220	0.221	0.228	0.229	0.232	0.221	4.75	
68)	Hexachlorobenzene	0.249	0.250	0.264	0.260	0.267	0.270	0.275	0.262	3.72	
69)	Atrazine	0.186	0.207	0.220	0.218	0.223	0.224	0.223	0.214	6.42	
70) C	Pentachlorophenol		0.128	0.152	0.158	0.165	0.169	0.175	0.158	10.66	
71)	Phenanthrene	1.164	1.136	1.172	1.153	1.182	1.197	1.202	1.172	2.01	
72)	Anthracene	1.039	1.092	1.160	1.154	1.187	1.200	1.201	1.148	5.30	
73)	Carbazole	0.966	1.033	1.099	1.085	1.125	1.135	1.140	1.083	5.87	
74)	Di-n-butylphth...	1.133	1.217	1.338	1.337	1.377	1.378	1.390	1.310	7.42	
75) C	Fluoranthene	1.274	1.289	1.357	1.327	1.384	1.387	1.397	1.345	3.68	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.470	0.569	0.593	0.571	0.639	0.561	0.567	0.567	8.92	
78)	Pyrene	1.181	1.209	1.280	1.292	1.295	1.281	1.320	1.265	3.98	
79) S	Terphenyl-d14	0.977	0.970	1.016	1.029	1.025	1.023	1.012	1.007	2.38	
80)	Butylbenzylphth...	0.422	0.493	0.560	0.583	0.595	0.591	0.614	0.551	12.50	
81)	Benzo(a)anthra...	1.207	1.231	1.265	1.243	1.284	1.266	1.288	1.255	2.34	
82)	3,3'-Dichlorob...	0.419	0.473	0.503	0.492	0.508	0.497	0.491	0.483	6.34	
83)	Chrysene	1.208	1.189	1.226	1.194	1.226	1.227	1.228	1.214	1.39	
84)	Bis(2-ethylhex...	0.621	0.727	0.818	0.839	0.857	0.860	0.891	0.802	11.85	
85) c	Di-n-octyl pht...	1.077	1.251	1.383	1.355	1.456	1.454	1.476	1.350	10.64	
86)	Indeno(1,2,3-c...	1.370	1.457	1.381	1.142	1.319	1.251	1.227	1.307	8.21	

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
Method File : 8270-BM031119.M

87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.192	1.211	1.293	1.287	1.350	1.348	1.391	1.296	5.68
89)	Benzo(k)fluora...	1.143	1.104	1.165	1.223	1.195	1.257	1.258	1.192	4.89
90) C	Benzo(a)pyrene	1.097	1.095	1.158	1.159	1.199	1.214	1.230	1.165	4.62
91)	Dibenzo(a,h)an...	1.099	1.141	1.131	1.060	1.126	1.120	1.122	1.114	2.44
92)	Benzo(g,h,i)pe...	1.056	1.086	1.034	0.971	1.009	1.001	1.002	1.023	3.81

(#) = Out of Range