

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM022222.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Feb 22 17:55:56 2022
 Response Via : Initial Calibration

Calibration Files

5 =BM034036.D 10 =BM034037.D 20 =BM034038.D 40 =BM034039.D 50 =BM034040.D 60 =BM034041.D 80 =BM034042.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.506	0.476	0.444	0.425	0.389	0.409	0.370	0.431	11.08
3) Pyridine	1.309	1.270	1.293	1.221	1.145	1.138	1.107	1.212	6.79
4) n-Nitrosodimet...	0.693	0.646	0.629	0.605	0.568	0.560	0.543	0.606	8.84
5) S 2-Fluorophenol	1.246	1.153	1.155	1.127	1.063	1.081	1.028	1.122	6.47
6) Aniline	1.730	1.655	1.704	1.665	1.622	1.499	1.520	1.628	5.41
7) S Phenol-d6	1.557	1.489	1.547	1.506	1.449	1.374	1.391	1.473	4.87
8) 2-Chlorophenol	1.329	1.268	1.303	1.296	1.232	1.179	1.179	1.255	4.79
9) Benzaldehyde	0.932	0.883	0.891	0.753	0.677			0.827	13.02
10) C Phenol	1.545	1.464	1.536	1.475	1.419	1.343	1.362	1.449	5.43
11) bis(2-Chloroet...	1.245	1.200	1.228	1.172	1.124	1.054	1.070	1.156	6.52
12) 1,3-Dichlorobe...	1.634	1.531	1.519	1.489	1.407	1.392	1.354	1.475	6.58
13) C 1,4-Dichlorobe...	1.677	1.563	1.560	1.515	1.433	1.419	1.389	1.508	6.75
14) 1,2-Dichlorobe...	1.620	1.535	1.523	1.486	1.411	1.367	1.361	1.472	6.53
15) Benzyl Alcohol	1.144	1.146	1.218	1.164	1.153	1.036	1.091	1.136	5.07
16) 2,2'-oxybis(1-...	1.710	1.639	1.637	1.566	1.488	1.349	1.374	1.537	9.02
17) 2-Methylphenol	1.049	1.032	1.084	1.051	1.019	0.941	0.969	1.021	4.88
18) Hexachloroethane	0.542	0.530	0.533	0.521	0.505	0.497	0.485	0.516	4.06
19) P n-Nitroso-di-n...	0.939	0.993	1.058	0.972	0.977	0.836	0.891	0.952	7.58
20) 3+4-Methylphenols	1.423	1.439	1.496	1.447	1.423	1.282	1.355	1.409	4.98
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.501	0.488	0.493	0.480	0.475	0.468	0.476	0.483	2.39
23) S Nitrobenzene-d5	0.368	0.360	0.380	0.372	0.370	0.372	0.373	0.371	1.61
24) Nitrobenzene	0.349	0.343	0.353	0.343	0.344	0.341	0.342	0.345	1.24
25) Isophorone	0.571	0.596	0.635	0.600	0.616	0.578	0.591	0.598	3.64
26) C 2-Nitrophenol	0.136	0.141	0.166	0.169	0.174	0.173	0.179	0.163	10.35
27) 2,4-Dimethylph...	0.261	0.261	0.274	0.262	0.263	0.257	0.261	0.263	2.05
28) bis(2-Chloroet...	0.412	0.414	0.425	0.400	0.406	0.384	0.392	0.405	3.45
29) C 2,4-Dichloroph...	0.307	0.311	0.336	0.328	0.334	0.326	0.332	0.325	3.50
30) 1,2,4-Trichlor...	0.397	0.383	0.385	0.373	0.374	0.379	0.377	0.381	2.23
31) Naphthalene	1.082	1.038	1.052	1.013	1.013	0.997	0.997	1.028	3.08
32) Benzoic acid		0.150	0.196	0.202	0.219	0.209	0.216	0.199	12.76
33) 4-Chloroaniline	0.415	0.419	0.441	0.420	0.434	0.409	0.408	0.421	2.96
34) C Hexachlorobuta...	0.254	0.240	0.242	0.239	0.238	0.241	0.242	0.242	2.29
35) Caprolactam	0.051	0.060	0.074	0.065	0.075	0.068	0.065	0.065	12.67
36) C 4-Chloro-3-met...	0.292	0.320	0.346	0.321	0.338	0.311	0.310	0.320	5.65
37) 2-Methylnaphth...	0.748	0.757	0.788	0.740	0.763	0.723	0.728	0.750	2.97
38) 1-Methylnaphth...	0.730	0.746	0.765	0.724	0.745	0.702	0.705	0.731	3.12

Method	Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\									
Method	File : 8270-BM022222.M									
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.675	0.626	0.629	0.638	0.609	0.634	0.665	0.639	3.60
41) P	Hexachlorocycl...	0.351	0.337	0.357	0.384	0.372	0.394	0.420	0.374	7.60
42) S	2,4,6-Tribromo...	0.214	0.243	0.239	0.232	0.263	0.260	0.247	0.243	6.95
43) C	2,4,6-Trichlor...	0.399	0.397	0.411	0.406	0.399	0.402	0.415	0.404	1.72
44)	2,4,5-Trichlor...	0.425	0.406	0.420	0.408	0.400	0.405	0.413	0.411	2.18
45) S	2-Fluorobiphenyl	1.581	1.491	1.524	1.496	1.450	1.465	1.501	1.501	2.84
46)	1,1'-Biphenyl	1.591	1.517	1.547	1.514	1.491	1.489	1.549	1.528	2.38
47)	2-Chloronaphth...	1.249	1.179	1.205	1.188	1.152	1.170	1.211	1.193	2.66
48)	2-Nitroaniline	0.224	0.248	0.295	0.297	0.311	0.304	0.304	0.283	11.83
49)	Acenaphthylene	1.783	1.763	1.838	1.787	1.785	1.777	1.784	1.788	1.31
50)	Dimethylphthalate	1.485	1.506	1.555	1.448	1.503	1.458	1.424	1.483	2.94
51)	2,6-Dinitrotol...	0.250	0.276	0.309	0.299	0.315	0.306	0.299	0.293	7.75
52) C	Acenaphthene	1.173	1.163	1.208	1.175	1.187	1.176	1.189	1.182	1.25
53)	3-Nitroaniline	0.240	0.273	0.309	0.301	0.320	0.313	0.298	0.293	9.54
54) P	2,4-Dinitrophenol	0.107	0.133	0.143	0.165	0.163	0.162	0.145		15.67
55)	Dibenzofuran	1.882	1.889	1.910	1.818	1.835	1.804	1.782	1.846	2.62
56) P	4-Nitrophenol	0.180	0.211	0.251	0.246	0.267	0.264	0.240	0.237	13.21
57)	2,4-Dinitrotol...	0.291	0.348	0.404	0.393	0.430	0.415	0.390	0.382	12.43
58)	Fluorene	1.460	1.506	1.543	1.466	1.513	1.475	1.424	1.484	2.66
59)	2,3,4,6-Tetrac...	0.370	0.382	0.422	0.404	0.428	0.410	0.400	0.402	5.12
60)	Diethylphthalate	1.388	1.516	1.566	1.458	1.564	1.483	1.403	1.483	4.81
61)	4-Chlorophenyl...	0.789	0.809	0.828	0.779	0.804	0.784	0.769	0.795	2.53
62)	4-Nitroaniline	0.228	0.276	0.320	0.318	0.343	0.342	0.305	0.305	13.43
63)	Azobenzene	1.213	1.326	1.369	1.281	1.329	1.278	1.221	1.288	4.48
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.087	0.112	0.119	0.127	0.126	0.131	0.117		13.78
66) c	n-Nitrosodiphe...	0.629	0.610	0.640	0.633	0.616	0.608	0.647	0.626	2.40
67)	4-Bromophenyl-...	0.232	0.226	0.219	0.216	0.224	0.226	0.239	0.226	3.39
68)	Hexachlorobenzene	0.268	0.256	0.264	0.256	0.259	0.256	0.264	0.260	1.87
69)	Atrazine	0.195	0.205	0.220	0.217	0.213	0.205	0.195	0.207	4.82
70) C	Pentachlorophenol	0.128	0.141	0.162	0.165	0.169	0.167	0.169	0.157	10.31
71)	Phenanthrene	1.161	1.107	1.131	1.105	1.092	1.087	1.083	1.109	2.52
72)	Anthracene	1.066	1.068	1.112	1.088	1.076	1.076	1.071	1.080	1.50
73)	Carbazole	0.994	1.012	1.042	1.022	1.021	1.029	0.995	1.017	1.72
74)	Di-n-butylphth...	0.926	1.112	1.196	1.209	1.242	1.224	1.185	1.156	9.47
75) C	Fluoranthene	1.184	1.231	1.222	1.245	1.214	1.266	1.171	1.219	2.71
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.342	0.350	0.435	0.454	0.292	0.375	0.360	0.372	14.99
78)	Pyrene	1.396	1.367	1.506	1.318	1.448	1.253	1.327	1.374	6.20
79) S	Terphenyl-d14	1.184	1.177	1.262	1.122	1.191	1.040	1.065	1.149	6.78
80)	Butylbenzylpht...	0.406	0.473	0.548	0.543	0.587	0.539	0.565	0.523	11.93
81)	Benzo(a)anthra...	1.352	1.311	1.347	1.294	1.284	1.262	1.260	1.301	2.85
82)	3,3'-Dichlorob...	0.419	0.418	0.447	0.454	0.433	0.456	0.448	0.439	3.60
83)	Chrysene	1.304	1.252	1.277	1.238	1.218	1.203	1.210	1.243	2.98
84)	Bis(2-ethylhex...	0.613	0.748	0.797	0.852	0.882	0.841	0.860	0.799	11.67
85) c	Di-n-octyl pht...	1.018	1.182	1.238	1.357	1.327	1.366	1.376	1.266	10.36

Method Path : Z:\svoasrv\HPCHEM1\BNA M\Methods\

Method File : 8270-BM02222.M

86)	I	Perylene-d12				-ISTD-						
87)		Indeno(1,2,3-c...	1.466	1.370	1.414	1.440	1.359	1.450	1.455	1.422	2.99	
88)		Benzo(b)fluora...	1.255	1.212	1.307	1.248	1.257	1.244	1.250	1.253	2.24	
89)		Benzo(k)fluora...	1.207	1.256	1.293	1.266	1.288	1.200	1.242	1.250	2.94	
90)	C	Benzo(a)pyrene	1.009	0.995	1.046	1.047	1.035	1.034	1.045	1.030	1.97	
91)		Dibenzo(a,h)an...	1.223	1.160	1.194	1.208	1.145	1.219	1.222	1.196	2.62	
92)		Benzo(g,h,i)pe...	1.209	1.118	1.146	1.173	1.098	1.181	1.184	1.158	3.41	

(#) = Out of Range