

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM090221.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Sep 02 19:37:10 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM032022.D 10 =BM032023.D 20 =BM032024.D 40 =BM032025.D 50 =BM032026.D 60 =BM032027.D 80 =BM032028.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.575	0.601	0.512	0.473	0.467	0.469	0.435	0.505	12.22
3)	Pyridine	1.288	1.417	1.347	1.224	1.225	1.208	1.144	1.265	7.32
4)	n-Nitrosodimet...	0.676	0.721	0.600	0.554	0.549	0.549	0.508	0.594	13.03
5) S	2-Fluorophenol	1.201	1.370	1.186	1.095	1.117	1.121	1.067	1.165	8.77
6)	Aniline	1.630	1.848	1.642	1.600	1.576	1.556	1.467	1.617	7.25
7) S	Phenol-d6	1.505	1.743	1.586	1.503	1.527	1.510	1.426	1.543	6.47
8)	2-Chlorophenol	1.287	1.507	1.331	1.259	1.266	1.261	1.188	1.300	7.75
9)	Benzaldehyde	1.131	1.196	1.010	0.837	0.798	0.750	0.659	0.912	22.24
10) C	Phenol	1.572	1.749	1.552	1.482	1.497	1.453	1.398	1.529	7.40
11)	bis(2-Chloroet...	1.222	1.364	1.159	1.089	1.083	1.080	1.035	1.148	9.89
12)	1,3-Dichlorobe...	1.625	1.778	1.549	1.395	1.448	1.431	1.357	1.512	9.85
13) C	1,4-Dichlorobe...	1.670	1.828	1.563	1.447	1.467	1.459	1.379	1.545	10.12
14)	1,2-Dichlorobe...	1.620	1.727	1.487	1.398	1.427	1.413	1.335	1.487	9.33
15)	Benzyl Alcohol	1.000	1.218	1.115	1.108	1.113	1.096	1.052	1.100	6.06
16)	2,2'-oxybis(1-...	1.562	1.760	1.489	1.429	1.431	1.406	1.343	1.489	9.26
17)	2-Methylphenol	0.969	1.122	1.030	1.003	0.997	0.980	0.937	1.005	5.86
18)	Hexachloroethane	0.564	0.632	0.559	0.517	0.539	0.537	0.504	0.550	7.58
19) P	n-Nitroso-di-n...	0.961	1.094	1.010	0.993	0.975	0.953	0.912	0.986	5.80
20)	3+4-Methylphenols	1.296	1.536	1.404	1.383	1.377	1.352	1.276	1.375	6.19
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.523	0.592	0.520	0.493	0.495	0.512	0.500	0.519	6.59
23) S	Nitrobenzene-d5	0.407	0.472	0.416	0.397	0.399	0.415	0.401	0.415	6.31
24)	Nitrobenzene	0.424	0.484	0.418	0.395	0.400	0.412	0.400	0.419	7.24
25)	Isophorone	0.679	0.763	0.683	0.675	0.665	0.687	0.668	0.689	4.92
26) C	2-Nitrophenol	0.158	0.197	0.184	0.184	0.186	0.196	0.191	0.185	7.09
27)	2,4-Dimethylph...	0.265	0.313	0.274	0.265	0.259	0.272	0.263	0.273	6.69
28)	bis(2-Chloroet...	0.360	0.411	0.370	0.357	0.356	0.364	0.360	0.368	5.27
29) C	2,4-Dichloroph...	0.315	0.376	0.349	0.341	0.340	0.356	0.345	0.346	5.29
30)	1,2,4-Trichlor...	0.406	0.463	0.411	0.382	0.383	0.401	0.392	0.405	6.83
31)	Naphthalene	1.103	1.252	1.079	1.023	1.020	1.070	1.037	1.083	7.42
32)	Benzoic acid	0.131	0.183	0.182	0.208	0.208	0.223	0.219	0.193	16.43
33)	4-Chloroaniline	0.392	0.471	0.427	0.417	0.416	0.432	0.415	0.424	5.71
34) C	Hexachlorobuta...	0.285	0.299	0.262	0.237	0.243	0.254	0.247	0.261	8.85
35)	Caprolactam	0.064	0.094	0.082	0.097	0.092	0.095	0.091	0.088	12.97
36) C	4-Chloro-3-met...	0.300	0.368	0.329	0.343	0.331	0.342	0.330	0.335	6.15
37)	2-Methylnaphth...	0.806	0.910	0.793	0.787	0.768	0.802	0.778	0.806	5.92
38)	1-Methylnaphth...	0.751	0.845	0.755	0.750	0.729	0.755	0.726	0.758	5.26

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\										
Method File : 8270-BM090221.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.704	0.735	0.661	0.602	0.630	0.643	0.646	0.660	6.88
41) P	Hexachlorocycl...	0.201	0.257	0.270	0.285	0.305	0.321	0.338	0.282	16.14
42) S	2,4,6-Tribromo...	0.241	0.292	0.254	0.273	0.266	0.274	0.277	0.268	6.14
43) C	2,4,6-Trichlor...	0.378	0.460	0.436	0.420	0.437	0.441	0.444	0.431	6.03
44)	2,4,5-Trichlor...	0.426	0.503	0.469	0.460	0.460	0.474	0.475	0.467	4.89
45) S	2-Fluorobiphenyl	1.572	1.696	1.530	1.420	1.464	1.491	1.522	1.528	5.82
46)	1,1'-Biphenyl	1.552	1.731	1.543	1.452	1.495	1.517	1.526	1.545	5.72
47)	2-Chloronaphth...	1.276	1.411	1.249	1.174	1.205	1.231	1.234	1.254	6.09
48)	2-Nitroaniline	0.270	0.335	0.312	0.334	0.331	0.339	0.338	0.323	7.76
49)	Acenaphthylene	1.817	2.079	1.868	1.813	1.836	1.862	1.857	1.876	4.90
50)	Dimethylphthalate	1.504	1.688	1.467	1.449	1.430	1.455	1.443	1.491	6.03
51)	2,6-Dinitrotol...	0.311	0.376	0.333	0.344	0.336	0.342	0.346	0.341	5.68
52) C	Acenaphthene	1.187	1.300	1.153	1.118	1.128	1.145	1.151	1.169	5.27
53)	3-Nitroaniline	0.256	0.323	0.300	0.326	0.314	0.321	0.322	0.309	7.96
54) P	2,4-Dinitrophenol	0.120	0.167	0.172	0.207	0.203	0.215	0.218	0.186	19.12
55)	Dibenzofuran	2.024	2.199	1.922	1.875	1.865	1.888	1.896	1.953	6.19
56) P	4-Nitrophenol	0.161	0.241	0.227	0.270	0.262	0.267	0.268	0.242	16.32
57)	2,4-Dinitrotol...	0.368	0.481	0.441	0.482	0.472	0.477	0.478	0.457	9.11
58)	Fluorene	1.486	1.743	1.517	1.530	1.494	1.534	1.540	1.549	5.67
59)	2,3,4,6-Tetrac...	0.407	0.457	0.405	0.417	0.413	0.413	0.413	0.418	4.23
60)	Diethylphthalate	1.426	1.653	1.406	1.478	1.414	1.444	1.445	1.467	5.83
61)	4-Chlorophenyl...	0.805	0.898	0.780	0.772	0.756	0.772	0.774	0.794	6.08
62)	4-Nitroaniline	0.200	0.282	0.282	0.327	0.308	0.318	0.313	0.290	14.90
63)	Azobenzene	1.321	1.568	1.383	1.430	1.405	1.423	1.418	1.421	5.23
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.091	0.129	0.131	0.139	0.144	0.151	0.147	0.133	15.19
66) c	n-Nitrosodiphe...	0.619	0.702	0.661	0.619	0.640	0.664	0.644	0.650	4.50
67)	4-Bromophenyl-...	0.233	0.250	0.232	0.219	0.227	0.232	0.229	0.232	3.99
68)	Hexachlorobenzene	0.276	0.293	0.264	0.247	0.257	0.262	0.256	0.265	5.69
69)	Atrazine	0.181	0.231	0.204	0.213	0.204	0.204	0.194	0.204	7.63
70) C	Pentachlorophenol	0.115	0.156	0.151	0.158	0.160	0.167	0.164	0.153	11.45
71)	Phenanthrene	1.201	1.347	1.192	1.135	1.156	1.186	1.143	1.194	6.03
72)	Anthracene	1.104	1.271	1.146	1.118	1.139	1.170	1.129	1.154	4.85
73)	Carbazole	1.005	1.205	1.080	1.091	1.091	1.111	1.071	1.094	5.46
74)	Di-n-butylphth...	0.963	1.206	1.081	1.163	1.175	1.202	1.187	1.139	7.76
75) C	Fluoranthene	1.308	1.557	1.324	1.356	1.348	1.378	1.320	1.370	6.25
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.459	0.418	0.344	0.453	0.350	0.408	0.349	0.397	12.48
78)	Pyrene	1.358	1.467	1.379	1.280	1.308	1.360	1.337	1.356	4.38
79) S	Terphenyl-d14	1.081	1.170	1.089	1.029	1.046	1.087	1.068	1.082	4.14
80)	Butylbenzylpht...	0.400	0.484	0.463	0.496	0.500	0.518	0.521	0.483	8.66
81)	Benzo(a)anthra...	1.355	1.523	1.351	1.308	1.309	1.356	1.307	1.358	5.60
82)	3,3'-Dichlorob...	0.348	0.419	0.376	0.391	0.386	0.398	0.382	0.386	5.61
83)	Chrysene	1.422	1.545	1.348	1.286	1.297	1.322	1.281	1.357	7.08
84)	Bis(2-ethylhex...	0.538	0.721	0.650	0.746	0.738	0.766	0.764	0.703	11.78
85) c	Di-n-octyl pht...	0.984	1.270	1.100	1.261	1.250	1.295	1.293	1.208	9.85

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

Method File : 8270-BM090221.M

86)	I	Perylene-d12				-ISTD-					
87)		Indeno(1,2,3-c...	1.622	1.784	1.567	1.536	1.554	1.605	1.575	1.606	5.20
88)		Benzo(b)fluora...	1.326	1.440	1.301	1.338	1.315	1.389	1.361	1.353	3.59
89)		Benzo(k)fluora...	1.271	1.456	1.322	1.245	1.314	1.299	1.265	1.310	5.34
90)	C	Benzo(a)pyrene	1.199	1.362	1.223	1.212	1.234	1.257	1.228	1.245	4.39
91)		Dibenzo(a,h)an...	1.386	1.537	1.342	1.326	1.347	1.384	1.361	1.383	5.15
92)		Benzo(g,h,i)pe...	1.385	1.512	1.323	1.288	1.298	1.330	1.306	1.349	5.84

(#) = Out of Range