

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM100121.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Oct 01 10:39:43 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM032297.D 10 =BM032298.D 20 =BM032299.D 40 =BM032300.D 50 =BM032301.D 60 =BM032302.D 80 =BM032303.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.623	0.557	0.512	0.467	0.444	0.446	0.414	0.495	14.94
3) Pyridine	1.650	1.507	1.454	1.387	1.359	1.349	1.269	1.425	8.79
4) n-Nitrosodimet...	0.698	0.638	0.609	0.569	0.544	0.524	0.489	0.581	12.37
5) S 2-Fluorophenol	1.386	1.306	1.221	1.152	1.105	1.096	1.019	1.184	10.86
6) Aniline	2.164	1.972	1.989	1.929	1.880	1.841	1.745	1.931	6.84
7) S Phenol-d6	1.979	1.819	1.794	1.701	1.653	1.597	1.489	1.719	9.37
8) 2-Chlorophenol	1.498	1.405	1.366	1.292	1.262	1.246	1.172	1.320	8.33
9) Benzaldehyde	1.178	1.082	1.044	0.919	0.900	0.849		0.995	12.66
10) C Phenol	1.902	1.725	1.715	1.644	1.593	1.558	1.454	1.656	8.65
11) bis(2-Chloroet...	1.561	1.404	1.381	1.293	1.251	1.215	1.135	1.320	10.69
12) 1,3-Dichlorobe...	1.758	1.608	1.507	1.398	1.364	1.347	1.263	1.464	11.75
13) C 1,4-Dichlorobe...	1.765	1.640	1.543	1.429	1.388	1.382	1.289	1.491	11.20
14) 1,2-Dichlorobe...	1.729	1.571	1.499	1.395	1.362	1.340	1.253	1.450	11.14
15) Benzyl Alcohol	1.288	1.153	1.218	1.200	1.171	1.157	1.101	1.184	5.01
16) 2,2'-oxybis(1-...	2.152	1.889	1.864	1.732	1.644	1.562	1.448	1.756	13.38
17) 2-Methylphenol	1.222	1.121	1.142	1.123	1.100	1.086	1.018	1.116	5.50
18) Hexachloroethane	0.545	0.519	0.506	0.494	0.481	0.479	0.451	0.496	6.11
19) P n-Nitroso-di-n...	1.078	0.960	1.033	0.992	0.962	0.918	0.850	0.971	7.69
20) 3+4-Methylphenols	1.679	1.533	1.601	1.555	1.520	1.478	1.384	1.536	6.06
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.560	0.524	0.507	0.481	0.466	0.464	0.431	0.490	8.83
23) S Nitrobenzene-d5	0.378	0.368	0.362	0.357	0.347	0.348	0.331	0.356	4.35
24) Nitrobenzene	0.374	0.363	0.349	0.345	0.333	0.335	0.321	0.346	5.31
25) Isophorone	0.620	0.582	0.613	0.629	0.611	0.618	0.590	0.609	2.80
26) C 2-Nitrophenol	0.138	0.140	0.147	0.162	0.160	0.169	0.165	0.155	8.26
27) 2,4-Dimethylph...	0.291	0.278	0.277	0.273	0.266	0.270	0.254	0.273	4.20
28) bis(2-Chloroet...	0.512	0.463	0.452	0.435	0.421	0.417	0.391	0.442	8.84
29) C 2,4-Dichloroph...	0.307	0.298	0.298	0.299	0.294	0.302	0.289	0.298	1.90
30) 1,2,4-Trichlor...	0.378	0.356	0.329	0.317	0.312	0.319	0.304	0.331	8.03
31) Naphthalene	1.200	1.095	1.043	0.993	0.960	0.969	0.914	1.025	9.49
32) Benzoic acid		0.139	0.164	0.207	0.207	0.226	0.228	0.195	18.35
33) 4-Chloroaniline	0.480	0.441	0.440	0.433	0.425	0.426	0.407	0.436	5.16
34) C Hexachlorobuta...	0.221	0.207	0.192	0.184	0.180	0.187	0.178	0.193	8.23
35) Caprolactam	0.136	0.092	0.100	0.108	0.106	0.111	0.108	0.109	12.50
36) C 4-Chloro-3-met...	0.358	0.323	0.335	0.333	0.328	0.335	0.323	0.333	3.51
37) 2-Methylnaphth...	0.815	0.738	0.722	0.688	0.674	0.675	0.639	0.707	8.17
38) 1-Methylnaphth...	0.799	0.719	0.707	0.677	0.662	0.659	0.625	0.692	8.16

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\ Method File : 8270-BM100121.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.650	0.631	0.577	0.538	0.521	0.518	0.482	0.559	11.16
41) P	Hexachlorocycl...	0.226	0.240	0.241	0.255	0.249	0.257	0.248	0.245	4.26
42) S	2,4,6-Tribromo...	0.219	0.216	0.223	0.219	0.216	0.220	0.207	0.217	2.37
43) C	2,4,6-Trichlor...	0.407	0.392	0.393	0.388	0.381	0.385	0.370	0.388	2.89
44)	2,4,5-Trichlor...	0.435	0.435	0.421	0.418	0.411	0.417	0.403	0.420	2.85
45) S	2-Fluorobiphenyl	1.511	1.374	1.210	1.182	1.127	1.020	1.237		14.31
46)	1,1'-Biphenyl	1.740	1.635	1.526	1.407	1.368	1.347	1.255	1.468	11.77
47)	2-Chloronaphth...	1.283	1.229	1.141	1.081	1.055	1.048	0.992	1.119	9.39
48)	2-Nitroaniline	0.267	0.279	0.309	0.334	0.323	0.328	0.320	0.309	8.31
49)	Acenaphthylene	1.855	1.823	1.800	1.744	1.701	1.688	1.596	1.744	5.16
50)	Dimethylphthalate	1.571	1.458	1.421	1.374	1.345	1.345	1.278	1.399	6.83
51)	2,6-Dinitrotol...	0.255	0.264	0.279	0.291	0.285	0.293	0.285	0.279	5.10
52) C	Acenaphthene	1.314	1.238	1.191	1.145	1.111	1.105	1.044	1.164	7.82
53)	3-Nitroaniline	0.292	0.298	0.325	0.346	0.339	0.347	0.336	0.326	6.91
54) P	2,4-Dinitrophenol	0.116	0.142	0.173	0.173	0.184	0.187	0.163		17.18
55)	Dibenzofuran	2.108	1.919	1.821	1.705	1.659	1.637	1.532	1.769	11.07
56) P	4-Nitrophenol	0.241	0.252	0.277	0.292	0.291	0.298	0.289	0.277	8.01
57)	2,4-Dinitrotol...	0.304	0.327	0.372	0.397	0.393	0.406	0.396	0.371	10.66
58)	Fluorene	1.638	1.479	1.408	1.265	1.208	1.181	1.079	1.323	14.71
59)	2,3,4,6-Tetrac...	0.379	0.366	0.375	0.368	0.361	0.365	0.350	0.366	2.54
60)	Diethylphthalate	1.553	1.408	1.402	1.364	1.325	1.347	1.279	1.383	6.32
61)	4-Chlorophenyl...	0.826	0.748	0.705	0.638	0.613	0.601	0.554	0.669	14.20
62)	4-Nitroaniline	0.282	0.297	0.335	0.358	0.351	0.359	0.351	0.333	9.39
63)	Azobenzene	1.375	1.388	1.413	1.380	1.297	1.285	1.216	1.336	5.35
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.092	0.106	0.120	0.121	0.126	0.123	0.115		11.44
66) c	n-Nitrosodiphe...	0.667	0.635	0.610	0.574	0.557	0.545	0.504	0.585	9.59
67)	4-Bromophenyl-...	0.222	0.214	0.204	0.195	0.192	0.191	0.181	0.200	7.24
68)	Hexachlorobenzene	0.255	0.240	0.225	0.211	0.209	0.209	0.198	0.221	9.12
69)	Atrazine	0.199	0.199	0.202	0.194	0.196	0.196	0.186	0.196	2.57
70) C	Pentachlorophenol	0.122	0.127	0.137	0.142	0.143	0.146	0.139	0.137	6.39
71)	Phenanthrene	1.268	1.174	1.108	1.012	0.985	0.964	0.884	1.056	12.61
72)	Anthracene	1.154	1.108	1.077	1.006	0.983	0.958	0.881	1.024	9.24
73)	Carbazole	1.187	1.119	1.104	1.025	0.998	0.983	0.897	1.045	9.37
74)	Di-n-butylphth...	1.047	1.049	1.107	1.089	1.073	1.079	0.991	1.062	3.57
75) C	Fluoranthene	1.388	1.294	1.265	1.160	1.139	1.106	1.017	1.196	10.59
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.496	0.448	0.467	0.497	0.520	0.536	0.493	0.494	6.00
78)	Pyrene	1.412	1.363	1.286	1.217	1.177	1.174	1.090	1.246	9.16
79) S	Terphenyl-d14	1.071	0.961	0.783	0.767	0.741		0.864		16.69
80)	Butylbenzylpht...	0.408	0.425	0.475	0.506	0.499	0.516	0.501	0.476	8.94
81)	Benzo(a)anthra...	1.430	1.338	1.282	1.190	1.155	1.151	1.066	1.230	10.24
82)	3,3'-Dichlorob...	0.400	0.402	0.415	0.403	0.396	0.389	0.360	0.395	4.37
83)	Chrysene	1.449	1.330	1.255	1.141	1.114	1.099	1.008	1.199	12.73
84)	Bis(2-ethylhex...	0.574	0.606	0.671	0.686	0.669	0.668	0.630	0.643	6.40
85) c	Di-n-octyl pht...	0.952	1.015	1.151	1.268	1.241	1.268	1.188	1.155	10.88

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\

Method File : 8270-BM100121.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.511	1.473	1.401	1.294	1.260	1.247	1.155	1.334	9.78	
88)	Benzo(b)fluora...	1.324	1.230	1.160	1.083	1.066	1.048	0.963	1.125	10.83	
89)	Benzo(k)fluora...	1.343	1.284	1.230	1.083	1.046	1.044	0.972	1.143	12.34	
90) C	Benzo(a)pyrene	1.041	0.998	0.995	0.953	0.927	0.933	0.871	0.960	5.86	
91)	Dibenzo(a,h)an...	1.280	1.222	1.169	1.072	1.044	1.023	0.934	1.106	11.02	
92)	Benzo(g,h,i)pe...	1.260	1.206	1.165	1.130	1.102	1.112	1.046	1.146	6.21	

(#) = Out of Range