

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM012021.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jan 20 14:45:01 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM028460.D 10 =BM028461.D 20 =BM028462.D 40 =BM028463.D 50 =BM028464.D 60 =BM028465.D 80 =BM028466.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.545	0.580	0.513	0.461	0.506	0.511	0.440	0.508	9.33
3) Pyridine	1.315	1.635	1.424	1.311	1.442	1.457	1.261	1.406	8.95
4) n-Nitrosodimet...	0.777	0.963	0.816	0.740	0.818	0.835	0.711	0.809	10.10
5) S 2-Fluorophenol	1.260	1.467	1.270	1.162	1.283	1.300	1.120	1.266	8.79
6) Aniline	1.741	2.139	1.882	1.713	1.930	1.969	1.701	1.868	8.62
7) S Phenol-d6	1.656	1.986	1.731	1.580	1.763	1.795	1.556	1.724	8.51
8) 2-Chlorophenol	1.382	1.615	1.400	1.286	1.441	1.463	1.268	1.408	8.32
9) Benzaldehyde	1.007	1.185	0.810	0.793	0.848	0.738		0.897	18.71
10) C Phenol	1.558	1.882	1.614	1.488	1.666	1.699	1.465	1.625	8.79
11) bis(2-Chloroet...	1.300	1.515	1.313	1.194	1.337	1.340	1.173	1.310	8.58
12) 1,3-Dichlorobe...	1.676	1.905	1.679	1.514	1.684	1.696	1.476	1.661	8.43
13) C 1,4-Dichlorobe...	1.687	1.949	1.696	1.519	1.694	1.718	1.496	1.680	8.89
14) 1,2-Dichlorobe...	1.595	1.869	1.619	1.462	1.641	1.652	1.442	1.612	8.77
15) Benzyl Alcohol	1.121	1.398	1.186	1.097	1.244	1.258	1.106	1.201	9.02
16) 2,2'-oxybis(1-...	2.328	2.793	2.407	2.143	2.413	2.396	2.073	2.365	9.82
17) 2-Methylphenol	1.041	1.296	1.127	1.039	1.168	1.178	1.027	1.125	8.75
18) Hexachloroethane	0.604	0.714	0.640	0.581	0.652	0.656	0.580	0.632	7.60
19) P n-Nitroso-di-n...	0.896	1.188	1.032	0.964	1.086	1.073	0.948	1.027	9.67
20) 3+4-Methylphenols	1.377	1.744	1.496	1.382	1.576	1.595	1.392	1.509	9.14
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.488	0.575	0.512	0.461	0.542	0.557	0.495	0.519	7.91
23) S Nitrobenzene-d5	0.393	0.465	0.416	0.377	0.440	0.457	0.403	0.422	7.91
24) Nitrobenzene	0.389	0.451	0.396	0.365	0.424	0.439	0.385	0.407	7.76
25) Isophorone	0.557	0.708	0.635	0.585	0.693	0.711	0.634	0.646	9.43
26) C 2-Nitrophenol	0.149	0.193	0.182	0.168	0.201	0.210	0.187	0.184	11.31
27) 2,4-Dimethylph...	0.243	0.294	0.262	0.244	0.284	0.291	0.258	0.268	8.08
28) bis(2-Chloroet...	0.432	0.504	0.454	0.408	0.476	0.487	0.432	0.456	7.57
29) C 2,4-Dichloroph...	0.286	0.348	0.316	0.288	0.339	0.350	0.311	0.320	8.38
30) 1,2,4-Trichlor...	0.377	0.426	0.374	0.334	0.389	0.403	0.355	0.380	7.98
31) Naphthalene	1.084	1.246	1.119	1.003	1.169	1.218	1.071	1.130	7.63
32) Benzoic acid		0.240	0.218	0.215	0.257	0.273	0.244	0.241	9.22
33) 4-Chloroaniline	0.421	0.521	0.463	0.423	0.494	0.514	0.451	0.469	8.71
34) C Hexachlorobuta...	0.227	0.248	0.227	0.199	0.233	0.240	0.211	0.227	7.35
35) Caprolactam		0.108	0.095	0.092	0.109	0.114	0.102	0.103	8.27
36) C 4-Chloro-3-met...	0.284	0.363	0.326	0.303	0.356	0.368	0.326	0.332	9.51
37) 2-Methylnaphth...	0.731	0.871	0.763	0.696	0.814	0.838	0.740	0.779	8.13
38) 1-Methylnaphth...	0.687	0.821	0.725	0.662	0.772	0.800	0.706	0.739	8.09

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\										
Method File : 8270-BM012021.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.639	0.721	0.667	0.583	0.682	0.704	0.622	0.660	7.36
41) P	Hexachlorocycl...		0.285	0.282	0.275	0.337	0.351	0.318	0.308	10.33
42) S	2,4,6-Tribromo...	0.213	0.294	0.261	0.243	0.287	0.296	0.261	0.265	11.47
43) C	2,4,6-Trichlor...	0.394	0.473	0.441	0.405	0.471	0.484	0.430	0.442	7.95
44)	2,4,5-Trichlor...	0.396	0.509	0.456	0.416	0.483	0.500	0.445	0.458	9.28
45) S	2-Fluorobiphenyl	1.560	1.758	1.586	1.407	1.648	1.698	1.502	1.594	7.48
46)	1,1'-Biphenyl	1.663	1.871	1.696	1.513	1.765	1.827	1.612	1.707	7.31
47)	2-Chloronaphth...	1.363	1.539	1.380	1.225	1.441	1.495	1.322	1.395	7.65
48)	2-Nitroaniline	0.349	0.465	0.428	0.400	0.480	0.497	0.443	0.437	11.63
49)	Acenaphthylene	1.862	2.267	2.057	1.851	2.186	2.268	2.000	2.070	8.55
50)	Dimethylphthalate	1.541	1.858	1.639	1.467	1.709	1.749	1.545	1.644	8.33
51)	2,6-Dinitrotol...	0.295	0.379	0.353	0.316	0.374	0.385	0.345	0.350	9.61
52) C	Acenaphthene	1.194	1.439	1.264	1.142	1.347	1.382	1.227	1.285	8.37
53)	3-Nitroaniline	0.307	0.422	0.385	0.363	0.430	0.453	0.400	0.394	12.33
54) P	2,4-Dinitrophenol		0.195	0.183	0.185	0.226	0.241	0.219	0.208	11.55
55)	Dibenzofuran	1.885	2.223	1.952	1.743	2.051	2.113	1.869	1.976	8.26
56) P	4-Nitrophenol	0.237	0.333	0.304	0.291	0.337	0.356	0.316	0.310	12.63
57)	2,4-Dinitrotol...	0.342	0.500	0.465	0.438	0.511	0.534	0.473	0.466	13.61
58)	Fluorene	1.505	1.800	1.587	1.450	1.698	1.751	1.544	1.619	8.16
59)	2,3,4,6-Tetrac...	0.343	0.455	0.401	0.370	0.430	0.444	0.391	0.405	10.02
60)	Diethylphthalate	1.514	1.874	1.659	1.504	1.744	1.800	1.590	1.669	8.57
61)	4-Chlorophenyl...	0.773	0.898	0.789	0.709	0.823	0.843	0.747	0.798	7.92
62)	4-Nitroaniline	0.319	0.452	0.421	0.401	0.474	0.499	0.439	0.429	13.59
63)	Azobenzene	1.312	1.729	1.555	1.432	1.685	1.726	1.532	1.567	10.10
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.117	0.111	0.110	0.133	0.145	0.129	0.124	11.14
66) c	n-Nitrosodiphe...	0.604	0.735	0.667	0.598	0.703	0.733	0.648	0.670	8.49
67)	4-Bromophenyl-...	0.211	0.264	0.235	0.214	0.247	0.258	0.228	0.237	8.67
68)	Hexachlorobenzene	0.259	0.307	0.276	0.243	0.283	0.296	0.262	0.275	8.04
69)	Atrazine	0.190	0.236	0.201	0.183	0.202	0.210	0.168	0.199	10.84
70) C	Pentachlorophenol	0.111	0.161	0.145	0.139	0.166	0.175	0.153	0.150	13.92
71)	Phenanthrene	1.176	1.362	1.222	1.092	1.268	1.330	1.160	1.230	7.84
72)	Anthracene	1.062	1.312	1.180	1.067	1.244	1.307	1.144	1.188	8.78
73)	Carbazole	1.023	1.239	1.112	1.015	1.173	1.243	1.081	1.127	8.40
74)	Di-n-butylphth...	1.119	1.477	1.343	1.246	1.449	1.518	1.336	1.356	10.36
75) C	Fluoranthene	1.275	1.539	1.371	1.239	1.423	1.511	1.312	1.381	8.36
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.612	0.081	0.465	0.468	0.557	0.552	0.414	0.450	39.11
78)	Pyrene	1.302	1.563	1.430	1.284	1.518	1.566	1.376	1.434	8.26
79) S	Terphenyl-d14	1.055	1.238	1.116	0.995	1.154	1.177	1.019	1.108	8.03
80)	Butylbenzylpht...	0.519	0.676	0.623	0.580	0.684	0.711	0.632	0.632	10.47
81)	Benzo(a)anthra...	1.333	1.541	1.383	1.221	1.428	1.480	1.281	1.381	8.12
82)	3,3'-Dichlorob...	0.421	0.430	0.451	0.418	0.483	0.490	0.413	0.444	7.15
83)	Chrysene	1.286	1.482	1.329	1.194	1.379	1.430	1.233	1.333	7.81
84)	Bis(2-ethylhex...	0.760	0.955	0.890	0.828	0.959	0.991	0.875	0.894	9.15
85) c	Di-n-octyl pht...	1.331	1.612	1.499	1.390	1.604	1.675	1.469	1.512	8.31

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

Method File : 8270-BM012021.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.420	1.643	1.516	1.377	1.520	1.580	1.376	1.490	6.91	
88)	Benzo(b)fluora...	1.308	1.500	1.376	1.286	1.385	1.424	1.226	1.358	6.77	
89)	Benzo(k)fluora...	1.264	1.457	1.361	1.219	1.352	1.402	1.224	1.326	6.92	
90) C	Benzo(a)pyrene	1.168	1.396	1.286	1.169	1.295	1.335	1.159	1.258	7.47	
91)	Dibenzo(a,h)an...	1.169	1.368	1.258	1.141	1.254	1.304	1.137	1.233	7.12	
92)	Benzo(g,h,i)pe...	1.150	1.339	1.231	1.119	1.237	1.290	1.123	1.213	7.05	

(#) = Out of Range