

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM082521.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Aug 26 12:15:55 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM031884.D 10 =BM031885.D 20 =BM031886.D 40 =BM031909.D 50 =BM031888.D 60 =BM031889.D 80 =BM031890.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.699	0.579	0.483	0.429	0.434	0.425	0.405	0.493	21.88
3) Pyridine	1.325	1.478	1.312	1.105	1.156	1.163	1.081	1.231	11.72
4) n-Nitrosodimet...	0.863	0.943	0.857	0.783	0.803	0.827	0.779	0.836	6.87
5) S 2-Fluorophenol	1.270	1.369	1.245	1.119	1.162	1.175	1.128	1.210	7.46
6) Aniline	1.856	2.110	1.882	1.709	1.742	1.770	1.659	1.818	8.27
7) S Phenol-d6	1.785	1.922	1.728	1.595	1.653	1.689	1.610	1.712	6.66
8) 2-Chlorophenol	1.455	1.631	1.433	1.326	1.337	1.375	1.301	1.408	8.05
9) Benzaldehyde	1.371	1.422	1.219	0.962	0.940	0.897		1.135	20.44
10) C Phenol	1.759	1.927	1.708	1.579	1.634	1.668	1.574	1.693	7.25
11) bis(2-Chloroet...	1.291	1.396	1.280	1.159	1.172	1.209	1.135	1.235	7.51
12) 1,3-Dichlorobe...	1.662	1.819	1.591	1.432	1.491	1.489	1.405	1.556	9.42
13) C 1,4-Dichlorobe...	1.721	1.853	1.631	1.461	1.521	1.525	1.444	1.594	9.41
14) 1,2-Dichlorobe...	1.671	1.781	1.573	1.433	1.476	1.512	1.418	1.552	8.60
15) Benzyl Alcohol	1.412	1.653	1.476	1.403	1.439	1.455	1.384	1.460	6.22
16) 2,2'-oxybis(1-...	1.776	1.949	1.744	1.524	1.568	1.565	1.470	1.657	10.35
17) 2-Methylphenol	1.224	1.363	1.268	1.134	1.165	1.187	1.114	1.208	7.13
18) Hexachloroethane	0.673	0.750	0.691	0.615	0.633	0.647	0.613	0.660	7.37
19) P n-Nitroso-di-n...	1.360	1.505	1.356	1.229	1.261	1.306	1.214	1.319	7.60
20) 3+4-Methylphenols	1.605	1.868	1.735	1.596	1.617	1.652	1.558	1.661	6.42
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.549	0.599	0.536	0.499	0.526	0.548	0.547	0.544	5.58
23) S Nitrobenzene-d5	0.458	0.512	0.460	0.428	0.449	0.465	0.460	0.462	5.51
24) Nitrobenzene	0.485	0.529	0.469	0.420	0.449	0.464	0.457	0.468	7.17
25) Isophorone	0.820	0.879	0.800	0.735	0.772	0.801	0.774	0.797	5.68
26) C 2-Nitrophenol	0.164	0.203	0.185	0.177	0.190	0.197	0.193	0.187	7.04
27) 2,4-Dimethylph...	0.285	0.311	0.280	0.264	0.271	0.282	0.278	0.282	5.32
28) bis(2-Chloroet...	0.381	0.436	0.392	0.359	0.380	0.393	0.386	0.389	5.97
29) C 2,4-Dichloroph...	0.311	0.359	0.332	0.310	0.327	0.342	0.335	0.331	5.21
30) 1,2,4-Trichlor...	0.361	0.399	0.361	0.330	0.357	0.368	0.364	0.363	5.61
31) Naphthalene	1.150	1.234	1.108	1.012	1.089	1.125	1.105	1.118	5.99
32) Benzoic acid	0.179	0.247	0.250	0.240	0.243	0.260	0.261	0.240	11.64
33) 4-Chloroaniline	0.416	0.496	0.448	0.420	0.437	0.463	0.447	0.447	6.13
34) C Hexachlorobuta...	0.249	0.268	0.240	0.218	0.233	0.236	0.236	0.240	6.52
35) Caprolactam	0.095	0.109	0.104	0.099	0.096	0.106	0.097	0.101	5.48
36) C 4-Chloro-3-met...	0.375	0.429	0.402	0.369	0.381	0.403	0.387	0.392	5.24
37) 2-Methylnaphth...	0.837	0.912	0.829	0.766	0.803	0.846	0.831	0.832	5.34
38) 1-Methylnaphth...	0.796	0.866	0.783	0.726	0.757	0.797	0.785	0.787	5.45

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\										
Method File : 8270-BM082521.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.576	0.649	0.573	0.527	0.579	0.597	0.601	0.586	6.25
41) P	Hexachlorocycl...	0.259	0.260	0.263	0.306	0.307	0.320	0.286		9.76
42) S	2,4,6-Tribromo...	0.229	0.253	0.232	0.221	0.227	0.254	0.239	0.236	5.39
43) C	2,4,6-Trichlor...	0.377	0.454	0.422	0.391	0.425	0.441	0.434	0.421	6.52
44)	2,4,5-Trichlor...	0.438	0.497	0.445	0.423	0.450	0.466	0.464	0.455	5.27
45) S	2-Fluorobiphenyl	1.466	1.628	1.480	1.367	1.510	1.575	1.585	1.516	5.81
46)	1,1'-Biphenyl	1.544	1.723	1.511	1.396	1.520	1.573	1.567	1.548	6.30
47)	2-Chloronaphth...	1.197	1.354	1.197	1.096	1.208	1.244	1.234	1.219	6.28
48)	2-Nitroaniline	0.403	0.450	0.419	0.402	0.423	0.443	0.429	0.424	4.27
49)	Acenaphthylene	1.921	2.140	1.934	1.795	1.930	2.007	1.995	1.960	5.36
50)	Dimethylphthalate	1.625	1.787	1.595	1.454	1.517	1.600	1.521	1.585	6.76
51)	2,6-Dinitrotol...	0.340	0.383	0.349	0.328	0.340	0.359	0.344	0.349	5.12
52) C	Acenaphthene	1.194	1.306	1.174	1.087	1.165	1.226	1.202	1.194	5.54
53)	3-Nitroaniline	0.314	0.373	0.344	0.329	0.330	0.352	0.335	0.340	5.60
54) P	2,4-Dinitrophenol	0.150	0.193	0.194	0.198	0.204	0.231	0.215	0.198	12.71
55)	Dibenzofuran	2.029	2.193	1.967	1.846	1.955	2.063	2.017	2.010	5.31
56) P	4-Nitrophenol	0.217	0.277	0.270	0.270	0.273	0.297	0.274	0.268	9.15
57)	2,4-Dinitrotol...	0.471	0.516	0.490	0.477	0.487	0.535	0.505	0.497	4.58
58)	Fluorene	1.637	1.754	1.606	1.528	1.598	1.733	1.681	1.648	4.84
59)	2,3,4,6-Tetrac...	0.375	0.432	0.402	0.370	0.390	0.419	0.390	0.397	5.66
60)	Diethylphthalate	1.789	1.936	1.732	1.605	1.633	1.764	1.653	1.730	6.59
61)	4-Chlorophenyl...	0.827	0.874	0.803	0.760	0.788	0.851	0.825	0.818	4.71
62)	4-Nitroaniline	0.293	0.352	0.332	0.326	0.318	0.353	0.321	0.328	6.36
63)	Azobenzene	1.909	2.136	1.931	1.792	1.822	1.944	1.822	1.908	6.13
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.109	0.138	0.140	0.132	0.142	0.150	0.153	0.138	10.61
66) c	n-Nitrosodiphe...	0.646	0.707	0.647	0.598	0.671	0.682	0.714	0.667	6.04
67)	4-Bromophenyl-...	0.216	0.243	0.215	0.202	0.225	0.226	0.236	0.223	6.09
68)	Hexachlorobenzene	0.229	0.259	0.233	0.211	0.234	0.240	0.247	0.236	6.39
69)	Atrazine	0.229	0.251	0.226	0.212	0.216	0.225	0.215	0.225	5.94
70) C	Pentachlorophenol	0.125	0.152	0.146	0.144	0.151	0.160	0.160	0.148	8.16
71)	Phenanthrene	1.165	1.282	1.163	1.079	1.153	1.197	1.204	1.178	5.21
72)	Anthracene	1.127	1.238	1.148	1.061	1.127	1.183	1.179	1.152	4.82
73)	Carbazole	1.105	1.198	1.084	1.018	1.036	1.105	1.069	1.088	5.39
74)	Di-n-butylphth...	1.299	1.460	1.378	1.321	1.302	1.441	1.356	1.365	4.75
75) C	Fluoranthene	1.348	1.405	1.306	1.231	1.176	1.312	1.223	1.286	6.21
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.606	0.548	0.479	0.549	0.477	0.482	0.520	0.523	9.20
78)	Pyrene	1.418	1.789	1.669	1.522	1.747	1.798	1.767	1.673	8.85
79) S	Terphenyl-d14	1.156	1.435	1.372	1.295	1.431	1.539	1.470	1.386	9.13
80)	Butylbenzylpht...	0.609	0.746	0.741	0.699	0.721	0.784	0.734	0.719	7.69
81)	Benzo(a)anthra...	1.447	1.599	1.444	1.333	1.409	1.433	1.407	1.439	5.59
82)	3,3'-Dichlorob...	0.399	0.453	0.417	0.391	0.407	0.421	0.407	0.414	4.81
83)	Chrysene	1.392	1.531	1.377	1.277	1.371	1.391	1.370	1.387	5.38
84)	Bis(2-ethylhex...	0.938	1.028	1.024	1.031	1.028	1.122	1.074	1.035	5.39
85) c	Di-n-octyl pht...	1.613	1.608	1.501	1.490	1.549	1.565	1.590	1.560	3.16

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

Method File : 8270-BM082521.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.322	1.510	1.327	1.178	1.422	1.426	1.502	1.384		8.48
88)	Benzo(b)fluora...	1.437	1.664	1.530	1.434	1.437	1.597	1.500	1.514		5.92
89)	Benzo(k)fluora...	1.415	1.639	1.400	1.348	1.399	1.434	1.413	1.435		6.51
90) C	Benzo(a)pyrene	1.290	1.450	1.302	1.204	1.286	1.338	1.310	1.312		5.63
91)	Dibenzo(a,h)an...	1.138	1.290	1.140	1.022	1.245	1.242	1.314	1.199		8.62
92)	Benzo(g,h,i)pe...	1.099	1.244	1.075	0.956	1.174	1.168	1.217	1.133		8.69

(#) = Out of Range