

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM031522.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Mar 16 02:38:26 2022
 Response Via : Initial Calibration

Calibration Files

5 =BM034241.D 10 =BM034242.D 20 =BM034243.D 40 =BM034244.D 50 =BM034245.D 60 =BM034246.D 80 =BM034247.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.598	0.568	0.538	0.485	0.461	0.445	0.435	0.504	12.70
3) Pyridine	1.502	1.427	1.442	1.326	1.314	1.275	1.269	1.365	6.68
4) n-Nitrosodimet...	0.755	0.702	0.675	0.614	0.614	0.593	0.582	0.648	9.90
5) S 2-Fluorophenol	1.167	1.134	1.143	1.096	1.098	1.089	1.078	1.115	2.95
6) Aniline	1.867	1.798	1.895	1.785	1.872	1.783	1.768	1.824	2.85
7) S Phenol-d6	1.551	1.558	1.663	1.572	1.659	1.588	1.582	1.596	2.90
8) 2-Chlorophenol	1.351	1.309	1.358	1.253	1.322	1.279	1.257	1.304	3.27
9) Benzaldehyde	1.016	0.953	0.978	0.800	0.825	0.760	0.689	0.860	14.33
10) C Phenol	1.584	1.559	1.641	1.550	1.635	1.577	1.567	1.588	2.28
11) bis(2-Chloroet...	1.405	1.331	1.374	1.253	1.300	1.246	1.212	1.303	5.44
12) 1,3-Dichlorobe...	1.673	1.541	1.540	1.415	1.430	1.402	1.353	1.479	7.49
13) C 1,4-Dichlorobe...	1.702	1.595	1.576	1.430	1.470	1.432	1.395	1.514	7.42
14) 1,2-Dichlorobe...	1.625	1.561	1.519	1.405	1.454	1.400	1.368	1.476	6.45
15) Benzyl Alcohol	1.187	1.204	1.318	1.269	1.360	1.275	1.278	1.270	4.74
16) 2,2'-oxybis(1-...	2.024	1.889	1.913	1.687	1.749	1.641	1.615	1.788	8.70
17) 2-Methylphenol	1.098	1.107	1.169	1.082	1.152	1.087	1.088	1.112	3.10
18) Hexachloroethane	0.607	0.576	0.577	0.536	0.553	0.536	0.524	0.558	5.28
19) P n-Nitroso-di-n...	1.221	1.166	1.213	1.116	1.186	1.084	1.096	1.155	4.85
20) 3+4-Methylphenols	1.481	1.502	1.619	1.506	1.618	1.511	1.526	1.538	3.71
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.524	0.510	0.522	0.498	0.511	0.512	0.516	0.513	1.68
23) S Nitrobenzene-d5	0.408	0.404	0.423	0.405	0.409	0.413	0.413	0.411	1.60
24) Nitrobenzene	0.379	0.390	0.399	0.376	0.379	0.381	0.380	0.384	2.19
25) Isophorone	0.684	0.671	0.717	0.681	0.692	0.673	0.692	0.687	2.23
26) C 2-Nitrophenol	0.142	0.153	0.171	0.174	0.180	0.183	0.187	0.170	9.69
27) 2,4-Dimethylph...	0.254	0.260	0.277	0.262	0.269	0.268	0.274	0.266	3.07
28) bis(2-Chloroet...	0.445	0.442	0.459	0.436	0.437	0.428	0.433	0.440	2.26
29) C 2,4-Dichloroph...	0.286	0.300	0.319	0.310	0.314	0.315	0.322	0.309	4.13
30) 1,2,4-Trichlor...	0.370	0.357	0.358	0.341	0.344	0.345	0.347	0.352	3.00
31) Naphthalene	1.105	1.052	1.069	1.004	1.021	1.017	1.027	1.042	3.38
32) Benzoic acid		0.169	0.207	0.221	0.236	0.230	0.257	0.220	13.61
33) 4-Chloroaniline	0.381	0.396	0.422	0.413	0.421	0.411	0.433	0.411	4.32
34) C Hexachlorobuta...	0.240	0.227	0.227	0.215	0.215	0.219	0.216	0.223	4.17
35) Caprolactam	0.099	0.104	0.114	0.107	0.112	0.099	0.119	0.108	7.15
36) C 4-Chloro-3-met...	0.343	0.334	0.374	0.354	0.363	0.344	0.370	0.355	4.25
37) 2-Methylnaphth...	0.771	0.743	0.769	0.720	0.742	0.720	0.739	0.743	2.79
38) 1-Methylnaphth...	0.750	0.739	0.752	0.703	0.724	0.699	0.725	0.727	2.91

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\										
Method File : 8270-BM031522.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.615	0.592	0.617	0.588	0.602	0.624	0.586	0.604	2.55
41) P	Hexachlorocycl...	0.311	0.318	0.348	0.352	0.366	0.393	0.359	0.349	8.06
42) S	2,4,6-Tribromo...	0.262	0.260	0.282	0.263	0.276	0.254	0.290	0.270	4.99
43) C	2,4,6-Trichlor...	0.387	0.389	0.434	0.416	0.433	0.433	0.424	0.417	4.90
44)	2,4,5-Trichlor...	0.414	0.422	0.464	0.451	0.460	0.459	0.461	0.447	4.59
45) S	2-Fluorobiphenyl	1.511	1.451	1.494	1.431	1.453	1.491	1.415	1.464	2.44
46)	1,1'-Biphenyl	1.569	1.520	1.561	1.473	1.517	1.545	1.490	1.525	2.33
47)	2-Chloronaphth...	1.196	1.153	1.192	1.140	1.166	1.187	1.160	1.171	1.84
48)	2-Nitroaniline	0.308	0.317	0.374	0.363	0.381	0.370	0.392	0.358	9.00
49)	Acenaphthylene	1.813	1.777	1.874	1.794	1.844	1.834	1.835	1.824	1.79
50)	Dimethylphthalate	1.585	1.532	1.597	1.489	1.507	1.433	1.512	1.522	3.72
51)	2,6-Dinitrotol...	0.296	0.301	0.330	0.311	0.319	0.304	0.324	0.312	4.03
52) C	Acenaphthene	1.234	1.182	1.254	1.206	1.241	1.227	1.259	1.229	2.19
53)	3-Nitroaniline	0.258	0.291	0.330	0.321	0.331	0.309	0.353	0.313	9.92
54) P	2,4-Dinitrophenol	0.134	0.175	0.184	0.198	0.185		0.175		13.99
55)	Dibenzofuran	1.934	1.841	1.898	1.767	1.806	1.766	1.808	1.831	3.50
56) P	4-Nitrophenol	0.207	0.262	0.256	0.264	0.240	0.295	0.254		11.53
57)	2,4-Dinitrotol...	0.385	0.398	0.457	0.424	0.434	0.398	0.458	0.422	6.95
58)	Fluorene	1.535	1.469	1.546	1.449	1.488	1.416	1.504	1.487	3.11
59)	2,3,4,6-Tetrac...	0.404	0.397	0.426	0.401	0.402	0.381	0.413	0.403	3.41
60)	Diethylphthalate	1.607	1.568	1.651	1.535	1.569	1.421	1.582	1.562	4.61
61)	4-Chlorophenyl...	0.802	0.750	0.786	0.733	0.756	0.727	0.760	0.759	3.55
62)	4-Nitroaniline	0.233	0.262	0.321	0.316	0.323	0.291	0.363	0.301	14.38
63)	Azobenzene	1.575	1.502	1.585	1.481	1.505	1.398	1.495	1.506	4.15
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.104	0.110	0.133	0.134	0.142	0.141	0.147	0.130	12.88
66) c	n-Nitrosodiphe...	0.623	0.618	0.643	0.625	0.644	0.670	0.627	0.635	2.86
67)	4-Bromophenyl-...	0.230	0.223	0.229	0.223	0.233	0.243	0.228	0.230	2.88
68)	Hexachlorobenzene	0.262	0.255	0.262	0.249	0.255	0.262	0.252	0.256	2.06
69)	Atrazine	0.222	0.217	0.227	0.215	0.206	0.192	0.187	0.209	7.20
70) C	Pentachlorophenol	0.152	0.152	0.170	0.167	0.170	0.166	0.171	0.164	5.07
71)	Phenanthrene	1.166	1.118	1.149	1.085	1.111	1.103	1.108	1.120	2.52
72)	Anthracene	1.066	1.075	1.127	1.072	1.098	1.089	1.105	1.090	1.98
73)	Carbazole	0.988	0.999	1.062	1.001	1.014	0.979	1.075	1.017	3.65
74)	Di-n-butylphth...	1.231	1.218	1.328	1.267	1.291	1.200	1.313	1.264	3.90
75) C	Fluoranthene	1.317	1.299	1.346	1.213	1.199	1.124	1.291	1.256	6.28
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.219	0.303	0.311	0.323	0.310		0.293		14.36
78)	Pyrene	1.288	1.297	1.407	1.456	1.604	1.461	1.351	1.409	7.86
79) S	Terphenyl-d14	1.091	1.083	1.159	1.211	1.295	1.157	1.060	1.151	7.18
80)	Butylbenzylpht...	0.507	0.529	0.601	0.621	0.668	0.607	0.638	0.596	9.73
81)	Benzo(a)anthra...	1.274	1.244	1.308	1.228	1.277	1.257	1.248	1.262	2.10
82)	3,3'-Dichlorob...	0.385	0.409	0.438	0.412	0.427	0.435	0.446	0.422	5.02
83)	Chrysene	1.354	1.325	1.349	1.243	1.265	1.252	1.235	1.289	4.03
84)	Bis(2-ethylhex...	0.798	0.812	0.918	0.889	0.935	0.866	0.943	0.880	6.58
85) c	Di-n-octyl pht...	1.353	1.362	1.492	1.338	1.369	1.385	1.478	1.397	4.45

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

Method File : 8270-BM031522.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.250	1.263	1.251	1.250	1.329	1.426	1.237	1.287	5.34	
88)	Benzo(b)fluora...	1.136	1.081	1.236	1.185	1.264	1.186	1.284	1.196	6.01	
89)	Benzo(k)fluora...	1.166	1.278	1.317	1.289	1.286	1.234	1.299	1.267	4.06	
90) C	Benzo(a)pyrene	0.979	0.964	1.054	1.002	1.041	1.016	1.042	1.014	3.37	
91)	Dibenzo(a,h)an...	0.978	1.024	1.032	0.999	1.078	1.166	1.026	1.043	5.98	
92)	Benzo(g,h,i)pe...	1.087	1.071	1.043	1.039	1.114	1.197	1.009	1.080	5.76	

(#) = Out of Range