

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP050521.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed May 05 19:00:25 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP005437.D 10 =BP005438.D 20 =BP005439.D 40 =BP005440.D 50 =BP005441.D 60 =BP005442.D 80 =BP005443.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.632	0.530	0.459	0.406	0.407	0.399	0.376	0.459	20.08
3) Pyridine	0.902	0.957	0.983	0.926	0.966	0.913	0.812	0.923	6.18
4) n-Nitrosodimet...	0.884	0.813	0.757	0.752	0.691	0.675	0.623	0.742	11.89
5) S 2-Fluorophenol	1.246	1.124	1.056	0.994	0.960	0.978	0.938	1.042	10.54
6) Aniline	1.668	1.503	1.508	1.360	1.277	1.305	1.197	1.403	11.67
7) S Phenol-d6	1.463	1.388	1.315	1.304	1.206	1.258	1.163	1.299	7.94
8) 2-Chlorophenol	1.209	1.194	1.175	1.110	1.058	1.075	1.014	1.119	6.70
9) Benzaldehyde	0.888	0.919	0.731	0.678	0.652	0.634		0.750	16.47
10) C Phenol	1.497	1.439	1.358	1.261	1.226	1.189	1.128	1.300	10.44
11) bis(2-Chloroet...	1.052	1.079	0.907	0.851	0.808	0.813	0.773	0.898	13.60
12) 1,3-Dichlorobe...	1.909	1.645	1.480	1.363	1.346	1.363	1.318	1.489	14.55
13) C 1,4-Dichlorobe...	1.789	1.581	1.523	1.400	1.390	1.388	1.319	1.484	10.86
14) 1,2-Dichlorobe...	1.624	1.579	1.395	1.368	1.343	1.374	1.274	1.423	9.07
15) Benzyl Alcohol	1.308	1.589	1.267	1.258	1.128	1.181	1.045	1.254	13.82
16) 2,2'-oxybis(1-...	0.542	0.488	0.471	0.441	0.406	0.390	0.363	0.443	14.04
17) 2-Methylphenol	1.030	0.963	0.986	0.879	0.798	0.836	0.756	0.893	11.54
18) Hexachloroethane	0.783	0.663	0.638	0.581	0.540	0.572	0.527	0.615	14.47
19) P n-Nitroso-di-n...	1.050	1.016	1.039	0.957	0.859	0.914	0.825	0.952	9.35
20) 3+4-Methylphenols	1.308	1.268	1.242	1.192	1.108	1.147	1.042	1.187	7.93
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.655	0.611	0.562	0.558	0.518	0.523	0.524	0.564	9.17
23) S Nitrobenzene-d5	0.568	0.560	0.516	0.503	0.475	0.472	0.463	0.508	8.33
24) Nitrobenzene	0.557	0.583	0.528	0.497	0.477	0.469	0.458	0.510	9.33
25) Isophorone	0.914	0.863	0.816	0.772	0.729	0.719	0.696	0.787	10.29
26) C 2-Nitrophenol	0.243	0.237	0.207	0.201	0.204	0.203	0.199	0.213	8.65
27) 2,4-Dimethylph...	0.316	0.319	0.282	0.276	0.259	0.270	0.256	0.283	9.00
28) bis(2-Chloroet...	0.368	0.375	0.339	0.323	0.295	0.305	0.301	0.329	9.78
29) C 2,4-Dichloroph...	0.503	0.467	0.427	0.436	0.434	0.425	0.414	0.444	6.97
30) 1,2,4-Trichlor...	0.636	0.614	0.568	0.551	0.534	0.530	0.533	0.567	7.51
31) Naphthalene	1.178	1.158	1.079	1.060	1.025	1.013	1.016	1.075	6.31
32) Benzoic acid	0.219	0.227	0.210	0.222	0.217	0.219	0.214	0.218	2.60
33) 4-Chloroaniline	0.452	0.475	0.417	0.414	0.400	0.387	0.389	0.419	7.86
34) C Hexachlorobuta...	0.515	0.517	0.475	0.447	0.460	0.444	0.451	0.473	6.63
35) Caprolactam	0.114	0.110	0.103	0.104	0.095	0.096	0.092	0.102	8.01
36) C 4-Chloro-3-met...	0.430	0.427	0.401	0.391	0.374	0.377	0.367	0.396	6.37
37) 2-Methylnaphth...	0.898	0.914	0.883	0.837	0.836	0.844	0.827	0.863	4.05
38) 1-Methylnaphth...	0.866	0.905	0.795	0.806	0.771	0.779	0.778	0.814	6.29

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\										
Method File : 8270E-BP050521.M										
-----ISTD-----										
39) I	Acenaphthene-d10									
40)	1,2,4,5-Tetrac...	1.015	1.012	0.945	0.830	0.876	0.886	0.868	0.919	7.97
41) P	Hexachlorocycl...		0.185	0.258	0.313	0.346	0.381	0.394	0.313	25.47
42) S	2,4,6-Tribromo...	0.581	0.554	0.551	0.531	0.586	0.583	0.587	0.568	3.90
43) C	2,4,6-Trichlor...	0.605	0.606	0.583	0.551	0.556	0.558	0.560	0.574	4.15
44)	2,4,5-Trichlor...	0.664	0.648	0.628	0.579	0.607	0.613	0.599	0.620	4.72
45) S	2-Fluorobiphenyl	1.894	1.820	1.830	1.671	1.702	1.749	1.744	1.773	4.43
46)	1,1'-Biphenyl	1.676	1.625	1.589	1.454	1.473	1.486	1.476	1.540	5.74
47)	2-Chloronaphth...	1.361	1.376	1.326	1.203	1.244	1.237	1.229	1.282	5.47
48)	2-Nitroaniline	0.362	0.376	0.402	0.363	0.344	0.355	0.347	0.364	5.47
49)	Acenaphthylene	2.015	1.915	1.895	1.763	1.759	1.798	1.785	1.847	5.24
50)	Dimethylphthalate	1.952	1.850	1.793	1.616	1.613	1.653	1.608	1.726	8.02
51)	2,6-Dinitrotol...	0.414	0.400	0.414	0.368	0.372	0.378	0.368	0.388	5.43
52) C	Acenaphthene	1.223	1.203	1.225	1.094	1.100	1.111	1.088	1.149	5.59
53)	3-Nitroaniline	0.272	0.292	0.295	0.279	0.260	0.272	0.274	0.278	4.43
54) P	2,4-Dinitrophenol	0.172	0.203	0.241	0.245	0.248	0.260	0.268	0.234	14.60
55)	Dibenzofuran	2.291	2.262	2.210	2.041	2.083	2.123	2.120	2.162	4.35
56) P	4-Nitrophenol	0.197	0.202	0.212	0.214	0.219	0.218	0.206	0.210	3.93
57)	2,4-Dinitrotol...	0.617	0.605	0.585	0.529	0.552	0.564	0.549	0.572	5.58
58)	Fluorene	1.845	1.780	1.739	1.713	1.727	1.776	1.774	1.765	2.50
59)	2,3,4,6-Tetrac...	0.614	0.661	0.631	0.591	0.612	0.610	0.617	0.619	3.55
60)	Diethylphthalate	1.865	1.722	1.748	1.585	1.594	1.613	1.579	1.672	6.52
61)	4-Chlorophenyl...	1.132	1.127	1.134	1.024	1.085	1.116	1.113	1.105	3.56
62)	4-Nitroaniline	0.247	0.272	0.280	0.261	0.274	0.267	0.267	0.267	4.07
63)	Azobenzene	1.871	1.883	1.831	1.678	1.615	1.596	1.592	1.724	7.71
-----ISTD-----										
64) I	Phenanthrene-d10									
65)	4,6-Dinitro-2-...	0.147	0.157	0.167	0.163	0.154	0.162	0.160	0.158	4.21
66) c	n-Nitrosodiphe...	0.600	0.626	0.602	0.582	0.550	0.567	0.558	0.584	4.67
67)	4-Bromophenyl-...	0.329	0.329	0.322	0.294	0.298	0.308	0.306	0.312	4.66
68)	Hexachlorobenzene	0.423	0.414	0.399	0.368	0.378	0.400	0.389	0.396	4.86
69)	Atrazine	0.305	0.302	0.276	0.260	0.253	0.262	0.251	0.273	8.31
70) C	Pentachlorophenol	0.208	0.210	0.203	0.204	0.206	0.218	0.220	0.210	3.19
71)	Phenanthrene	1.246	1.202	1.166	1.120	1.044	1.097	1.081	1.136	6.30
72)	Anthracene	1.226	1.188	1.155	1.097	1.032	1.107	1.091	1.128	5.82
73)	Carbazole	1.081	1.057	1.012	0.978	0.921	0.951	0.953	0.993	5.95
74)	Di-n-butylphth...	1.193	1.178	1.120	1.064	0.998	1.041	1.039	1.090	6.83
75) C	Fluoranthene	1.723	1.654	1.585	1.511	1.442	1.520	1.507	1.563	6.23
-----ISTD-----										
76) I	Chrysene-d12									
77)	Benzidine	0.285	0.267	0.301	0.329	0.331	0.327	0.326	0.310	8.22
78)	Pyrene	1.252	1.199	1.198	1.071	1.071	1.067	1.068	1.132	7.11
79) S	Terphenyl-d14	1.238	1.176	1.203	1.141	1.164	1.153	1.168	1.178	2.79
80)	Butylbenzylpht...	0.408	0.384	0.384	0.355	0.345	0.343	0.342	0.366	7.14
81)	Benzo(a)anthra...	1.415	1.413	1.351	1.226	1.229	1.227	1.210	1.296	7.20
82)	3,3'-Dichlorob...	0.530	0.513	0.506	0.461	0.472	0.473	0.464	0.488	5.63
83)	Chrysene	1.401	1.374	1.277	1.202	1.178	1.188	1.173	1.256	7.68
84)	Bis(2-ethylhex...	0.641	0.589	0.558	0.552	0.519	0.530	0.528	0.559	7.69
85) c	Di-n-octyl pht...	1.033	1.038	0.971	0.914	0.873	0.879	0.870	0.940	7.89

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

Method File : 8270E-BP050521.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.799	1.771	1.633	1.623	1.632	1.674	1.647	1.683	4.29	
88)	Benzo(b)fluora...	1.387	1.401	1.325	1.342	1.257	1.346	1.271	1.333	4.05	
89)	Benzo(k)fluora...	1.393	1.386	1.304	1.217	1.285	1.246	1.292	1.303	5.07	
90) C	Benzo(a)pyrene	1.279	1.302	1.227	1.189	1.174	1.193	1.188	1.222	4.10	
91)	Dibenzo(a,h)an...	1.542	1.557	1.449	1.443	1.441	1.493	1.468	1.485	3.22	
92)	Benzo(g,h,i)pe...	1.465	1.464	1.356	1.340	1.335	1.346	1.311	1.374	4.61	

(#) = Out of Range