

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP041921.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Apr 20 02:04:17 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP005332.D 10 =BP005333.D 20 =BP005334.D 40 =BP005335.D 50 =BP005336.D 60 =BP005337.D 80 =BP005338.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.860	1.075	1.017	0.797	0.686			0.887	17.97
3) Pyridine	1.507	1.982	2.280	1.886	1.657	1.585	1.649	1.792	15.21
4) n-Nitrosodimet...	0.635	0.799	0.769	0.597	0.490			0.658	19.30
5) S 2-Fluorophenol	1.162	1.316	1.526	1.362	1.279	1.299	1.397	1.334	8.43
6) Aniline	0.992	1.102	1.450	1.531	1.486	1.537	1.669	1.395	17.88
7) S Phenol-d6	1.167	1.383	1.761	1.725	1.660	1.669	1.782	1.592	14.44
8) 2-Chlorophenol	0.887	1.105	1.358	1.348	1.292	1.319	1.438	1.249	15.17
9) Benzaldehyde	0.753	0.809	0.921	0.720	0.651	0.568	0.545	0.709	18.82
10) C Phenol	1.100	1.452	1.798	1.714	1.630	1.646	1.766	1.587	15.30
11) bis(2-Chloroet...	0.911	1.086	1.243	1.247	1.195	1.192	1.258	1.162	10.76
12) 1,3-Dichlorobe...	1.493	1.581	1.791	1.632	1.563	1.564	1.657	1.612	5.89
13) C 1,4-Dichlorobe...	1.324	1.560	1.697	1.580	1.520	1.518	1.630	1.547	7.56
14) 1,2-Dichlorobe...	1.269	1.424	1.593	1.504	1.465	1.439	1.514	1.458	6.91
15) Benzyl Alcohol	0.499	0.550	0.722	0.718	0.729	0.760	0.851	0.690	17.77
16) 2,2'-oxybis(1-...	0.603	0.600	0.692	0.735	0.745	0.756	0.812	0.706	11.27
17) 2-Methylphenol	0.575	0.633	0.815	0.809	0.817	0.825	0.914	0.770	15.58
18) Hexachloroethane	0.639	0.626	0.639	0.582	0.525	0.525	0.540	0.582	9.07
19) P n-Nitroso-di-n...	0.496	0.579	0.727	0.772	0.752	0.754	0.834	0.702	17.03
20) 3+4-Methylphenols	0.710	0.750	0.949	0.998	0.993	1.006	1.119	0.932	15.88
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.694	0.913	1.081	1.030	0.951	0.917	0.988	0.939	13.20
23) S Nitrobenzene-d5	0.630	0.753	0.814	0.761	0.698	0.681	0.739	0.725	8.33
24) Nitrobenzene	0.605	0.754	0.788	0.747	0.694	0.670	0.717	0.711	8.59
25) Isophorone	0.529	0.642	0.752	0.796	0.820	0.813	0.946	0.757	17.88
26) C 2-Nitrophenol	0.164	0.189	0.201	0.192	0.194	0.192	0.218	0.193	8.30
27) 2,4-Dimethylph...	0.220	0.267	0.291	0.287	0.291	0.293	0.331	0.283	11.96
28) bis(2-Chloroet...	0.258	0.327	0.384	0.416	0.411	0.425	0.480	0.386	18.85
29) C 2,4-Dichloroph...	0.266	0.299	0.350	0.341	0.353	0.358	0.411	0.340	13.61
30) 1,2,4-Trichlor...	0.412	0.463	0.474	0.473	0.472	0.464	0.519	0.468	6.63
31) Naphthalene	0.913	1.101	1.222	1.248	1.207	1.202	1.346	1.177	11.64
32) Benzoic acid	0.157	0.176	0.199	0.198	0.194	0.201	0.224	0.193	10.86
33) 4-Chloroaniline	0.297	0.308	0.376	0.399	0.400	0.416	0.469	0.381	15.94
34) C Hexachlorobuta...	0.386	0.452	0.437	0.402	0.371	0.371	0.399	0.403	7.71
35) Caprolactam	0.059	0.082	0.085	0.085	0.085	0.082	0.101	0.083	14.99
36) C 4-Chloro-3-met...	0.248	0.281	0.319	0.348	0.356	0.376	0.435	0.338	18.41
37) 2-Methylnaphth...	0.536	0.608	0.700	0.757	0.770	0.789	0.893	0.722	16.53
38) 1-Methylnaphth...	0.511	0.583	0.705	0.753	0.747	0.755	0.852	0.701	16.53

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\										
Method File : 8270E-BP041921.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.659	0.744	0.733	0.767	0.725	0.746	0.805	0.740	6.01
41) P	Hexachlorocycl...	0.135	0.208	0.257	0.261	0.286		0.229		26.10
42) S	2,4,6-Tribromo...	0.278	0.307	0.377	0.389	0.358	0.358	0.395	0.352	12.38
43) C	2,4,6-Trichlor...	0.306	0.397	0.367	0.405	0.398	0.415	0.456	0.392	11.78
44)	2,4,5-Trichlor...	0.332	0.421	0.421	0.461	0.435	0.458	0.507	0.433	12.45
45) S	2-Fluorobiphenyl	1.235	1.371	1.511	1.629	1.531	1.585	1.723	1.512	10.82
46)	1,1'-Biphenyl	1.272	1.315	1.345	1.521	1.408	1.495	1.606	1.423	8.56
47)	2-Chloronaphth...	0.981	1.072	1.161	1.231	1.170	1.197	1.301	1.159	9.05
48)	2-Nitroaniline	0.225	0.239	0.264	0.330	0.332	0.361		0.292	19.35
49)	Acenaphthylene	1.397	1.523	1.770	1.938	1.782	1.857	2.019	1.755	12.67
50)	Dimethylphthalate	1.081	1.146	1.230	1.387	1.311	1.383	1.557	1.299	12.44
51)	2,6-Dinitrotol...	0.270	0.313	0.332	0.345	0.330	0.340	0.379	0.330	10.13
52) C	Acenaphthene	0.969	1.101	1.251	1.259	1.154	1.191	1.264	1.170	9.16
53)	3-Nitroaniline	0.191	0.227	0.281	0.300	0.280	0.293	0.323	0.271	16.87
54) P	2,4-Dinitrophenol	0.114	0.179	0.173	0.202	0.196	0.201	0.227	0.184	19.23
55)	Dibenzofuran	1.697	1.917	2.289	2.331	2.131	2.133	2.307	2.115	11.06
56) P	4-Nitrophenol	0.163	0.157	0.205	0.225	0.221	0.226	0.262	0.209	17.91
57)	2,4-Dinitrotol...	0.386	0.458	0.508	0.548	0.521	0.520	0.583	0.504	12.76
58)	Fluorene	1.240	1.566	1.838	1.945	1.769	1.779	1.971	1.730	14.68
59)	2,3,4,6-Tetrac...	0.407	0.416	0.448	0.527	0.459	0.492	0.520	0.467	10.22
60)	Diethylphthalate	0.982	1.070	1.322	1.476	1.407	1.460	1.638	1.336	17.47
61)	4-Chlorophenyl...	0.719	0.876	1.059	1.087	0.995	1.018	1.100	0.979	14.00
62)	4-Nitroaniline	0.197	0.222	0.267	0.311	0.296	0.310	0.344	0.278	18.98
63)	Azobenzene	1.120	1.460	2.151	2.303	2.075	2.092	2.226	1.918	23.30
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.112	0.119	0.126	0.134	0.132	0.141	0.149	0.131	9.72
66) c	n-Nitrosodiphe...	0.460	0.514	0.547	0.588	0.575	0.590	0.640	0.559	10.51
67)	4-Bromophenyl-...	0.197	0.223	0.235	0.266	0.251	0.263	0.283	0.246	11.85
68)	Hexachlorobenzene	0.276	0.319	0.318	0.324	0.304	0.314	0.333	0.312	5.85
69)	Atrazine	0.170	0.194	0.191	0.212	0.201	0.209	0.226	0.200	8.89
70) C	Pentachlorophenol	0.115	0.138	0.149	0.157	0.156	0.164	0.183	0.152	13.94
71)	Phenanthrene	1.055	1.151	1.244	1.270	1.196	1.210	1.292	1.203	6.69
72)	Anthracene	0.879	1.046	1.177	1.230	1.158	1.185	1.279	1.136	11.82
73)	Carbazole	0.792	0.944	1.057	1.119	1.050	1.068	1.170	1.029	12.17
74)	Di-n-butylphth...	0.755	0.806	0.850	0.958	0.935	0.990	1.121	0.916	13.53
75) C	Fluoranthene	1.156	1.335	1.506	1.592	1.496	1.512	1.658	1.465	11.52
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.306	0.282	0.258	0.284	0.219	0.242	0.250	0.263	11.25
78)	Pyrene	0.778	0.897	1.138	1.160	1.196	1.192	1.300	1.094	16.99
79) S	Terphenyl-d14	0.761	0.884	1.080	1.072	1.091	1.112	1.220	1.031	15.04
80)	Butylbenzylpht...	0.221	0.235	0.248	0.253	0.263	0.265	0.302	0.255	10.06
81)	Benzo(a)anthra...	1.063	1.191	1.347	1.287	1.269	1.279	1.371	1.258	8.26
82)	3,3'-Dichlorob...	0.276	0.297	0.313	0.313	0.314	0.314	0.354	0.312	7.46
83)	Chrysene	1.083	1.191	1.337	1.283	1.257	1.269	1.345	1.252	7.25
84)	Bis(2-ethylhex...	0.336	0.365	0.378	0.398	0.408	0.430	0.490	0.401	12.42
85) c	Di-n-octyl pht...	0.649	0.676	0.735	0.740	0.744	0.777	0.878	0.743	9.93

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

Method File : 8270E-BP041921.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.393	1.603	1.630	1.576	1.502	1.558	1.698	1.566	6.24	
88)	Benzo(b)fluora...	1.107	1.202	1.404	1.444	1.393	1.421	1.597	1.367	11.89	
89)	Benzo(k)fluora...	1.103	1.187	1.373	1.339	1.330	1.365	1.476	1.310	9.55	
90) C	Benzo(a)pyrene	1.035	1.125	1.284	1.264	1.246	1.259	1.376	1.227	9.12	
91)	Dibenzo(a,h)an...	1.214	1.415	1.428	1.373	1.306	1.349	1.488	1.368	6.56	
92)	Benzo(g,h,i)pe...	1.214	1.338	1.334	1.273	1.232	1.259	1.340	1.284	4.12	

(#) = Out of Range