

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP020422.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Feb 04 14:19:33 2022
 Response Via : Initial Calibration

Calibration Files

5 =BP009029.D 10 =BP009030.D 20 =BP009031.D 40 =BP009032.D 50 =BP009033.D 60 =BP009034.D 80 =BP009035.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.444	0.398	0.421	0.354	0.347	0.352	0.316	0.376	12.25
3) Pyridine	1.204	1.220	1.265	1.185	1.011	0.975	0.953	1.116	11.74
4) n-Nitrosodimet...	0.455	0.451	0.459	0.453	0.371	0.361	0.352	0.415	12.10
5) S 2-Fluorophenol	1.218	1.167	1.222	1.122	1.112	1.099	1.023	1.137	6.22
6) Aniline	1.686	1.725	1.743	1.752	1.702	1.589	1.669	1.695	3.26
7) S Phenol-d6	1.555	1.536	1.561	1.525	1.476	1.406	1.375	1.490	5.00
8) 2-Chlorophenol	1.365	1.327	1.338	1.281	1.256	1.200	1.196	1.280	5.22
9) Benzaldehyde	0.773	0.759	0.818	0.717	0.640	0.580		0.714	12.49
10) C Phenol	1.533	1.520	1.555	1.527	1.483	1.411	1.434	1.495	3.64
11) bis(2-Chloroet...	1.231	1.180	1.207	1.186	1.136	1.064	1.090	1.156	5.35
12) 1,3-Dichlorobe...	1.648	1.549	1.535	1.435	1.409	1.372	1.318	1.467	7.85
13) C 1,4-Dichlorobe...	1.674	1.585	1.583	1.473	1.443	1.403	1.354	1.502	7.63
14) 1,2-Dichlorobe...	1.613	1.545	1.520	1.427	1.394	1.340	1.314	1.450	7.70
15) Benzyl Alcohol	0.817	0.946	0.948	1.050	1.001	0.926	1.014	0.957	7.91
16) 2,2'-oxybis(1-...	1.396	1.371	1.311	1.322	1.238	1.143	1.202	1.283	7.18
17) 2-Methylphenol	1.021	1.024	1.019	1.043	1.000	0.932	0.979	1.002	3.68
18) Hexachloroethane	0.553	0.517	0.516	0.491	0.477	0.459	0.456	0.495	7.10
19) P n-Nitroso-di-n...	0.868	0.921	0.847	0.931	0.865	0.778	0.815	0.860	6.33
20) 3+4-Methylphenols	1.350	1.416	1.396	1.455	1.390	1.278	1.367	1.379	4.05
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.497	0.484	0.496	0.484	0.474	0.467	0.430	0.476	4.83
23) S Nitrobenzene-d5	0.361	0.353	0.369	0.358	0.356	0.353	0.348	0.357	1.90
24) Nitrobenzene	0.340	0.337	0.348	0.337	0.337	0.333	0.328	0.337	1.79
25) Isophorone	0.577	0.605	0.577	0.631	0.603	0.579	0.608	0.597	3.41
26) C 2-Nitrophenol	0.159	0.166	0.178	0.187	0.186	0.183	0.189	0.178	6.39
27) 2,4-Dimethylph...	0.259	0.261	0.265	0.270	0.267	0.260	0.260	0.263	1.63
28) bis(2-Chloroet...	0.406	0.408	0.394	0.415	0.400	0.383	0.380	0.398	3.30
29) C 2,4-Dichloroph...	0.309	0.326	0.329	0.339	0.334	0.327	0.334	0.328	2.94
30) 1,2,4-Trichlor...	0.405	0.381	0.393	0.374	0.376	0.368	0.367	0.381	3.65
31) Naphthalene	1.097	1.045	1.049	1.014	1.005	0.991	0.973	1.025	4.09
32) Benzoic acid		0.150	0.171	0.232	0.230	0.228	0.243	0.209	18.45
33) 4-Chloroaniline	0.390	0.424	0.413	0.440	0.427	0.415	0.427	0.419	3.75
34) C Hexachlorobuta...	0.249	0.237	0.241	0.232	0.229	0.227	0.223	0.234	3.83
35) Caprolactam	0.074	0.100	0.085	0.115	0.100	0.107	0.109	0.099	14.46
36) C 4-Chloro-3-met...	0.276	0.322	0.295	0.336	0.318	0.317	0.328	0.313	6.59
37) 2-Methylnaphth...	0.739	0.748	0.720	0.743	0.719	0.701	0.712	0.726	2.42
38) 1-Methylnaphth...	0.740	0.739	0.696	0.725	0.702	0.681	0.693	0.711	3.31

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\										
Method File : 8270E-BP020422.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.681	0.618	0.692	0.617	0.635	0.615	0.607	0.638	5.36
41) P	Hexachlorocycl...	0.082	0.132	0.196	0.209	0.197		0.163		33.34
42) S	2,4,6-Tribromo...	0.240	0.278	0.250	0.301	0.266	0.290	0.292	0.274	8.36
43) C	2,4,6-Trichlor...	0.403	0.407	0.441	0.442	0.447	0.434	0.434	0.430	4.10
44)	2,4,5-Trichlor...	0.443	0.438	0.460	0.475	0.473	0.471	0.473	0.462	3.36
45) S	2-Fluorobiphenyl	1.587	1.460	1.575	1.371	1.408	1.362	1.265	1.433	8.18
46)	1,1'-Biphenyl	1.580	1.484	1.575	1.428	1.457	1.412	1.367	1.472	5.50
47)	2-Chloronaphth...	1.264	1.154	1.261	1.134	1.161	1.144	1.110	1.176	5.25
48)	2-Nitroaniline	0.235	0.264	0.270	0.298	0.288	0.300	0.293	0.278	8.50
49)	Acenaphthylene	1.813	1.795	1.849	1.783	1.771	1.762	1.689	1.780	2.80
50)	Dimethylphthalate	1.429	1.506	1.406	1.494	1.400	1.442	1.419	1.442	2.91
51)	2,6-Dinitrotol...	0.265	0.297	0.289	0.319	0.302	0.314	0.311	0.300	6.14
52) C	Acenaphthene	1.122	1.092	1.106	1.067	1.059	1.054	1.023	1.075	3.17
53)	3-Nitroaniline	0.260	0.301	0.295	0.345	0.314	0.350	0.333	0.314	10.12
54) P	2,4-Dinitrophenol	0.118	0.123	0.187	0.169	0.192	0.201	0.165		21.72
55)	Dibenzofuran	1.908	1.871	1.860	1.819	1.755	1.791	1.677	1.811	4.34
56) P	4-Nitrophenol	0.184	0.180	0.264	0.233	0.273	0.258	0.232		17.68
57)	2,4-Dinitrotol...	0.299	0.400	0.372	0.446	0.400	0.445	0.419	0.397	12.77
58)	Fluorene	1.435	1.477	1.403	1.429	1.359	1.401	1.302	1.401	4.06
59)	2,3,4,6-Tetrac...	0.368	0.410	0.388	0.429	0.399	0.417	0.417	0.404	5.15
60)	Diethylphthalate	1.284	1.460	1.265	1.453	1.300	1.390	1.322	1.353	5.97
61)	4-Chlorophenyl...	0.781	0.788	0.750	0.776	0.742	0.741	0.719	0.757	3.38
62)	4-Nitroaniline	0.234	0.311	0.290	0.363	0.317	0.380	0.338	0.319	15.21
63)	Azobenzene	1.075	1.203	1.124	1.239	1.155	1.202	1.153	1.164	4.73
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.102	0.108	0.135	0.132	0.133	0.140	0.125		12.58
66) c	n-Nitrosodiphe...	0.636	0.600	0.647	0.589	0.629	0.578	0.581	0.609	4.67
67)	4-Bromophenyl-...	0.235	0.227	0.241	0.231	0.240	0.216	0.231	0.232	3.63
68)	Hexachlorobenzene	0.271	0.257	0.269	0.256	0.264	0.244	0.256	0.260	3.52
69)	Atrazine	0.185	0.212	0.199	0.221	0.201	0.205	0.200	0.203	5.50
70) C	Pentachlorophenol	0.109	0.126	0.131	0.154	0.149	0.149	0.156	0.139	12.72
71)	Phenanthrene	1.162	1.107	1.135	1.069	1.068	1.068	1.002	1.087	4.85
72)	Anthracene	1.067	1.074	1.100	1.067	1.060	1.061	1.004	1.062	2.73
73)	Carbazole	0.997	1.052	1.039	1.052	0.982	1.069	0.962	1.022	4.01
74)	Di-n-butylphth...	0.915	1.092	0.968	1.169	1.005	1.103	1.054	1.044	8.33
75) C	Fluoranthene	1.179	1.262	1.216	1.298	1.096	1.308	1.114	1.210	7.03
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.429	0.409	0.452	0.511	0.363	0.465	0.399	0.433	11.18
78)	Pyrene	1.459	1.440	1.362	1.322	1.520	1.209	1.467	1.397	7.62
79) S	Terphenyl-d14	1.155	1.195	1.073	1.051	1.216	0.944	1.062	1.100	8.64
80)	Butylbenzylpht...	0.425	0.509	0.448	0.530	0.495	0.480	0.548	0.491	8.93
81)	Benzo(a)anthra...	1.365	1.322	1.364	1.273	1.283	1.264	1.237	1.301	3.85
82)	3,3'-Dichlorob...	0.479	0.458	0.515	0.486	0.470	0.482	0.438	0.476	5.06
83)	Chrysene	1.367	1.262	1.317	1.247	1.226	1.189	1.160	1.253	5.70
84)	Bis(2-ethylhex...	0.590	0.670	0.605	0.725	0.630	0.655	0.704	0.654	7.59
85) c	Di-n-octyl pht...	0.996	1.027	1.076	1.221	1.005	1.189	1.107	1.089	8.15

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

Method File : 8270E-BP020422.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.679	1.245	1.645	1.297	1.679	1.486	1.452	1.498	12.00	
88)	Benzo(b)fluora...	1.214	1.245	1.194	1.284	1.153	1.190	1.141	1.203	4.14	
89)	Benzo(k)fluora...	1.224	1.332	1.237	1.283	1.214	1.126	1.168	1.226	5.56	
90) C	Benzo(a)pyrene	1.047	1.027	1.052	1.059	1.040	1.000	1.007	1.033	2.18	
91)	Dibenzo(a,h)an...	1.372	1.026	1.371	1.081	1.374	1.211	1.190	1.232	11.77	
92)	Benzo(g,h,i)pe...	1.409	0.994	1.360	1.023	1.404	1.201	1.230	1.232	14.01	

(#) = Out of Range