

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP091422.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Sep 14 19:12:50 2022
 Response Via : Initial Calibration

Calibration Files

5 =BP011695.D 10 =BP011696.D 20 =BP011697.D 40 =BP011698.D 50 =BP011699.D 60 =BP011700.D 80 =BP011701.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.524	0.496	0.505	0.466	0.468	0.476	0.452	0.484	5.24
3)	Pyridine	1.392	1.306	1.477	1.379	1.391	1.440	1.381	1.395	3.84
4)	n-Nitrosodimet...	0.556	0.531	0.553	0.526	0.534	0.536	0.509	0.535	3.00
5) S	2-Fluorophenol	1.103	1.076	1.132	1.082	1.096	1.128	1.074	1.099	2.16
6)	Aniline	1.714	1.709	1.902	1.808	1.833	1.885	1.780	1.804	4.21
7) S	Phenol-d6	1.394	1.400	1.546	1.468	1.484	1.518	1.441	1.465	3.91
8)	2-Chlorophenol	1.290	1.264	1.366	1.295	1.298	1.341	1.265	1.303	2.92
9)	Benzaldehyde	1.054	1.005	1.043	0.893	0.901	0.885	0.782	0.938	10.62
10) C	Phenol	1.583	1.594	1.735	1.646	1.659	1.704	1.611	1.647	3.45
11)	bis(2-Chloroet...	1.356	1.289	1.374	1.296	1.297	1.324	1.251	1.312	3.21
12)	1,3-Dichlorobe...	1.505	1.451	1.527	1.419	1.406	1.444	1.361	1.445	3.96
13) C	1,4-Dichlorobe...	1.550	1.473	1.531	1.447	1.434	1.468	1.385	1.469	3.85
14)	1,2-Dichlorobe...	1.472	1.399	1.483	1.377	1.369	1.397	1.307	1.401	4.34
15)	Benzyl Alcohol	0.961	0.968	1.091	1.051	1.079	1.107	1.062	1.046	5.58
16)	2,2'-oxybis(1-...	1.814	1.782	1.889	1.735	1.720	1.716	1.615	1.753	4.93
17)	2-Methylphenol	1.017	1.012	1.130	1.070	1.087	1.114	1.056	1.070	4.24
18)	Hexachloroethane	0.513	0.487	0.528	0.502	0.506	0.523	0.499	0.508	2.80
19) P	n-Nitroso-di-n...	0.889	0.889	1.019	0.965	0.965	0.986	0.926	0.948	5.19
20)	3+4-Methylphenols	1.369	1.379	1.544	1.476	1.509	1.542	1.465	1.469	4.87
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.458	0.452	0.488	0.469	0.467	0.480	0.468	0.469	2.63
23) S	Nitrobenzene-d5	0.316	0.315	0.349	0.341	0.343	0.353	0.344	0.337	4.60
24)	Nitrobenzene	0.334	0.332	0.363	0.353	0.354	0.364	0.355	0.351	3.66
25)	Isophorone	0.525	0.532	0.612	0.609	0.623	0.645	0.629	0.597	8.03
26) C	2-Nitrophenol	0.115	0.114	0.137	0.150	0.156	0.168	0.169	0.144	15.95
27)	2,4-Dimethylph...	0.224	0.228	0.254	0.255	0.258	0.267	0.259	0.249	6.69
28)	bis(2-Chloroet...	0.376	0.367	0.393	0.382	0.380	0.391	0.381	0.381	2.34
29) C	2,4-Dichloroph...	0.247	0.248	0.281	0.281	0.285	0.299	0.293	0.276	7.55
30)	1,2,4-Trichlor...	0.306	0.294	0.310	0.303	0.303	0.316	0.308	0.306	2.24
31)	Naphthalene	1.055	1.014	1.076	1.027	1.023	1.055	1.015	1.038	2.32
32)	Benzoic acid		0.116	0.164	0.189	0.205	0.221	0.225	0.187	22.22
33)	4-Chloroaniline	0.372	0.376	0.419	0.412	0.416	0.431	0.424	0.407	5.73
34) C	Hexachlorobuta...	0.167	0.161	0.169	0.167	0.167	0.176	0.173	0.168	2.81
35)	Caprolactam		0.065	0.086	0.091	0.095	0.100	0.100	0.090	14.72
36) C	4-Chloro-3-met...	0.257	0.263	0.308	0.304	0.310	0.323	0.315	0.297	8.86
37)	2-Methylnaphth...	0.677	0.662	0.723	0.693	0.696	0.717	0.695	0.695	3.06
38)	1-Methylnaphth...	0.665	0.656	0.710	0.678	0.677	0.696	0.673	0.679	2.69

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.517	0.507	0.536	0.525	0.527	0.548	0.535	0.528	2.51
41) P	Hexachlorocycl...	0.237	0.232	0.256	0.267	0.275	0.292	0.286	0.263	8.82
42) S	2,4,6-Tribromo...	0.125	0.130	0.156	0.160	0.169	0.177	0.177	0.156	13.61
43) C	2,4,6-Trichlor...	0.309	0.317	0.361	0.366	0.377	0.394	0.389	0.359	9.40
44)	2,4,5-Trichlor...	0.349	0.360	0.410	0.406	0.418	0.438	0.429	0.401	8.44
45) S	2-Fluorobiphenyl	1.336	1.299	1.368	1.283	1.267	1.267	1.186	1.287	4.51
46)	1,1'-Biphenyl	1.477	1.425	1.508	1.438	1.448	1.478	1.410	1.455	2.36
47)	2-Chloronaphth...	1.151	1.121	1.190	1.135	1.134	1.164	1.117	1.145	2.26
48)	2-Nitroaniline	0.244	0.265	0.324	0.338	0.353	0.365	0.358	0.321	14.83
49)	Acenaphthylene	1.632	1.669	1.851	1.800	1.814	1.858	1.776	1.771	4.96
50)	Dimethylphthalate	1.334	1.336	1.471	1.392	1.405	1.439	1.389	1.395	3.59
51)	2,6-Dinitrotol...	0.227	0.247	0.291	0.294	0.300	0.314	0.307	0.283	11.60
52) C	Acenaphthene	1.149	1.117	1.218	1.181	1.189	1.222	1.170	1.178	3.15
53)	3-Nitroaniline	0.239	0.271	0.337	0.343	0.358	0.372	0.364	0.326	15.56
54) P	2,4-Dinitrophenol	0.092	0.121	0.136	0.150	0.161	0.166	0.138		20.21
55)	Dibenzofuran	1.704	1.658	1.788	1.682	1.680	1.718	1.647	1.697	2.77
56) P	4-Nitrophenol	0.206	0.270	0.279	0.292	0.304	0.298	0.275		13.07
57)	2,4-Dinitrotol...	0.255	0.291	0.373	0.389	0.407	0.429	0.421	0.366	18.36
58)	Fluorene	1.359	1.342	1.470	1.387	1.374	1.390	1.310	1.376	3.63
59)	2,3,4,6-Tetrac...	0.282	0.298	0.338	0.333	0.344	0.361	0.352	0.330	8.79
60)	Diethylphthalate	1.299	1.296	1.469	1.399	1.411	1.450	1.400	1.389	4.89
61)	4-Chlorophenyl...	0.624	0.617	0.665	0.633	0.643	0.646	0.625	0.636	2.61
62)	4-Nitroaniline	0.224	0.261	0.338	0.351	0.369	0.381	0.373	0.328	18.66
63)	Azobenzene	1.165	1.231	1.434	1.377	1.383	1.406	1.348	1.335	7.40
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.068	0.087	0.098	0.105	0.114	0.115	0.098		18.30
66) c	n-Nitrosodiphe...	0.565	0.571	0.620	0.601	0.602	0.618	0.588	0.595	3.59
67)	4-Bromophenyl-...	0.176	0.173	0.188	0.188	0.189	0.201	0.195	0.187	5.27
68)	Hexachlorobenzene	0.195	0.187	0.204	0.200	0.202	0.215	0.208	0.202	4.43
69)	Atrazine	0.161	0.160	0.186	0.186	0.189	0.200	0.190	0.182	8.31
70) C	Pentachlorophenol	0.098	0.123	0.128	0.134	0.142	0.142	0.128		12.95
71)	Phenanthrene	1.107	1.065	1.138	1.086	1.077	1.103	1.041	1.088	2.88
72)	Anthracene	0.973	0.975	1.070	1.047	1.048	1.073	1.018	1.029	4.06
73)	Carbazole	0.898	0.908	1.022	0.991	0.995	1.018	0.965	0.971	5.18
74)	Di-n-butylphth...	1.065	1.035	1.218	1.218	1.219	1.253	1.184	1.170	7.26
75) C	Fluoranthene	1.137	1.108	1.228	1.186	1.197	1.214	1.146	1.174	3.76
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.357	0.450	0.550	0.465	0.508	0.524	0.476		14.46
78)	Pyrene	1.332	1.321	1.416	1.354	1.325	1.366	1.329	1.349	2.50
79) S	Terphenyl-d14	0.962	0.942	0.998	0.928	0.897	0.892	0.819	0.920	6.25
80)	Butylbenzylpht...	0.464	0.469	0.567	0.592	0.604	0.632	0.629	0.565	12.59
81)	Benzo(a)anthra...	1.276	1.255	1.352	1.288	1.279	1.310	1.264	1.289	2.54
82)	3,3'-Dichlorob...	0.320	0.345	0.404	0.411	0.416	0.428	0.416	0.392	10.63
83)	Chrysene	1.237	1.214	1.293	1.231	1.216	1.233	1.198	1.232	2.48
84)	Bis(2-ethylhex...	0.665	0.685	0.841	0.875	0.863	0.894	0.870	0.813	11.80
85) c	Di-n-octyl pht...	1.081	1.355	1.435	1.467	1.527	1.507	1.395		11.85

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.306	1.321	1.469	1.463	1.489	1.529	1.509	1.441		6.25
88)	Benzo(b)fluora...	1.129	1.194	1.296	1.258	1.256	1.292	1.233	1.237		4.76
89)	Benzo(k)fluora...	1.208	1.167	1.299	1.261	1.251	1.284	1.256	1.247		3.65
90) C	Benzo(a)pyrene	0.909	0.930	1.044	1.046	1.058	1.094	1.072	1.022		7.06
91)	Dibenzo(a,h)an...	1.092	1.107	1.231	1.215	1.231	1.266	1.232	1.196		5.69
92)	Benzo(g,h,i)pe...	1.080	1.074	1.179	1.176	1.198	1.243	1.216	1.166		5.61

(#) = Out of Range