

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP112521.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Nov 25 01:13:46 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP008119.D 10 =BP008120.D 20 =BP008121.D 40 =BP008122.D 50 =BP008123.D 60 =BP008124.D 80 =BP008125.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.719	0.627	0.569	0.535	0.531	0.496		0.580	14.10
3)	Pyridine	1.852	1.702	1.590	1.445	1.478	1.427	1.333	1.547	11.62
4)	n-Nitrosodimet...	0.767	0.710	0.669	0.612	0.622	0.590	0.546	0.645	11.69
5) S	2-Fluorophenol	1.523	1.398	1.300	1.187	1.176	1.112	1.000	1.242	14.30
6)	Aniline	2.298	2.206	2.078	1.841	1.868	1.811	1.657	1.966	11.84
7) S	Phenol-d6	2.019	1.902	1.780	1.573	1.591	1.508	1.365	1.677	13.82
8)	2-Chlorophenol	1.522	1.442	1.338	1.188	1.214	1.151	1.045	1.272	13.33
9)	Benzaldehyde	1.363	1.254	1.125	0.936	0.891			1.114	18.13
10) C	Phenol	2.067	1.934	1.811	1.613	1.639	1.566	1.432	1.723	12.96
11)	bis(2-Chloroet...	1.624	1.558	1.476	1.281	1.304	1.258	1.139	1.377	12.89
12)	1,3-Dichlorobe...	1.814	1.673	1.522	1.385	1.386	1.303	1.192	1.468	14.77
13) C	1,4-Dichlorobe...	1.829	1.707	1.539	1.396	1.404	1.334	1.207	1.488	14.65
14)	1,2-Dichlorobe...	1.769	1.659	1.503	1.337	1.345	1.267		1.480	13.51
15)	Benzyl Alcohol	1.485	1.475	1.416	1.242	1.284	1.251	1.148	1.329	9.80
16)	2,2'-oxybis(1-...	2.520	2.363	2.228	1.913	1.954	1.867	1.701	2.078	14.28
17)	2-Methylphenol	1.339	1.252	1.188	1.043	1.062	1.025	0.938	1.121	12.70
18)	Hexachloroethane	0.668	0.631	0.583	0.522	0.523	0.494	0.453	0.553	13.90
19) P	n-Nitroso-di-n...	1.359	1.320	1.221	1.017	1.047	0.999		1.160	13.79
20)	3+4-Methylphenols	1.837	1.736	1.654	1.431	1.463	1.418	1.290	1.547	12.78
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.658	0.619	0.564	0.512	0.535	0.495	0.446	0.547	13.38
23) S	Nitrobenzene-d5	0.515	0.495	0.448	0.414	0.436	0.403	0.368	0.440	11.68
24)	Nitrobenzene	0.503	0.473	0.432	0.401	0.418	0.395	0.364	0.427	11.20
25)	Isophorone	0.922	0.861	0.799	0.698	0.745	0.712	0.648	0.769	12.60
26) C	2-Nitrophenol	0.192	0.197	0.189	0.178	0.188	0.179	0.165	0.184	5.77
27)	2,4-Dimethylph...	0.318	0.308	0.287	0.256	0.272	0.253	0.232	0.275	11.25
28)	bis(2-Chloroet...	0.584	0.556	0.509	0.452	0.479	0.447	0.406	0.490	12.94
29) C	2,4-Dichloroph...	0.362	0.363	0.338	0.312	0.330	0.309	0.285	0.329	8.74
30)	1,2,4-Trichlor...	0.451	0.427	0.390	0.360	0.373	0.347	0.322	0.382	11.77
31)	Naphthalene	1.237	1.155	1.050	0.951	1.003	0.928	0.848	1.025	13.17
32)	Benzoic acid	0.227	0.209	0.223	0.217	0.240	0.237	0.224	0.225	4.77
33)	4-Chloroaniline	0.501	0.472	0.442	0.388	0.413	0.394	0.365	0.425	11.57
34) C	Hexachlorobuta...	0.312	0.294	0.263	0.245	0.257	0.238	0.219	0.261	12.28
35)	Caprolactam	0.084	0.078	0.075	0.065	0.072	0.071	0.065	0.073	9.13
36) C	4-Chloro-3-met...	0.440	0.418	0.387	0.342	0.371	0.350	0.321	0.376	11.31
37)	2-Methylnaphth...	0.882	0.826	0.749	0.662	0.703	0.656	0.595	0.725	13.99
38)	1-Methylnaphth...	0.858	0.810	0.730	0.640	0.683	0.637	0.579	0.705	14.22

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.759	0.708	0.662	0.627	0.647	0.588	0.556	0.650	10.61
41) P	Hexachlorocycl...		0.189	0.224	0.257	0.281	0.273	0.273	0.250	14.41
42) S	2,4,6-Tribromo...	0.298	0.288	0.265	0.239	0.250	0.233	0.217	0.256	11.62
43) C	2,4,6-Trichlor...	0.491	0.484	0.448	0.422	0.440	0.413	0.383	0.440	8.75
44)	2,4,5-Trichlor...	0.536	0.516	0.474	0.451	0.471	0.442	0.412	0.472	9.08
45) S	2-Fluorobiphenyl	1.674	1.591	1.439	1.293	1.329	1.210	1.101	1.377	14.87
46)	1,1'-Biphenyl	1.734	1.634	1.503	1.376	1.404	1.301	1.205	1.451	12.81
47)	2-Chloronaphth...	1.366	1.279	1.183	1.080	1.120	1.032	0.961	1.146	12.34
48)	2-Nitroaniline	0.416	0.413	0.408	0.382	0.403	0.384	0.358	0.395	5.35
49)	Acenaphthylene	2.081	1.973	1.830	1.661	1.737	1.610	1.483	1.768	11.84
50)	Dimethylphthalate	1.813	1.703	1.556	1.383	1.461	1.352	1.244	1.502	13.46
51)	2,6-Dinitrotol...	0.348	0.339	0.320	0.295	0.314	0.295	0.271	0.312	8.66
52) C	Acenaphthene	1.265	1.207	1.083	0.983	1.030	0.939	0.869	1.054	13.50
53)	3-Nitroaniline	0.322	0.336	0.327	0.303	0.327	0.309	0.289	0.316	5.27
54) P	2,4-Dinitrophenol	0.156	0.167	0.180	0.190	0.205	0.198	0.194	0.184	9.50
55)	Dibenzofuran	2.188	2.050	1.873	1.674	1.744	1.608	1.465	1.800	14.11
56) P	4-Nitrophenol	0.229	0.237	0.250	0.238	0.258	0.248	0.235	0.242	4.17
57)	2,4-Dinitrotol...	0.469	0.459	0.441	0.407	0.435	0.408	0.375	0.428	7.67
58)	Fluorene	1.737	1.594	1.436	1.250	1.297		1.463		13.91
59)	2,3,4,6-Tetrac...	0.504	0.449	0.425	0.390	0.416	0.392	0.360	0.419	11.19
60)	Diethylphthalate	1.819	1.689	1.528	1.367	1.448	1.345	1.236	1.490	13.75
61)	4-Chlorophenyl...	0.958	0.870	0.788	0.685	0.711		0.802		14.10
62)	4-Nitroaniline	0.324	0.348	0.347	0.317	0.337	0.322	0.301	0.328	5.16
63)	Azobenzene	1.800	1.707	1.584	1.437	1.496	1.383	1.264	1.524	12.24
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.125	0.132	0.132	0.130	0.137	0.133	0.126	0.131	3.21
66) c	n-Nitrosodiphe...	0.706	0.669	0.601	0.538	0.555	0.517	0.470	0.579	14.55
67)	4-Bromophenyl-...	0.264	0.257	0.228	0.207	0.215	0.200	0.185	0.222	13.23
68)	Hexachlorobenzene	0.286	0.272	0.242	0.221	0.228	0.216	0.199	0.238	13.24
69)	Atrazine	0.176	0.170	0.153	0.137	0.137	0.128		0.150	13.12
70) C	Pentachlorophenol	0.146	0.146	0.143	0.139	0.145	0.138	0.133	0.141	3.55
71)	Phenanthrene	1.286	1.223	1.100	0.980	1.019	0.938	0.845	1.056	14.89
72)	Anthracene	1.273	1.209	1.090	0.974	1.005	0.936	0.847	1.048	14.50
73)	Carbazole	1.242	1.175	1.061	0.951	0.988	0.916	0.828	1.023	14.29
74)	Di-n-butylphth...	1.530	1.425	1.286	1.160	1.187	1.095		1.281	13.12
75) C	Fluoranthene	1.698	1.560	1.368	1.224	1.262			1.423	14.19
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.240	0.264	0.250	0.313	0.333	0.297	0.223	0.274	14.83
78)	Pyrene	1.801	1.567	1.354	1.230	1.275			1.446	16.43
79) S	Terphenyl-d14		1.168	1.031	0.921	0.954	0.874	0.794	0.957	13.61
80)	Butylbenzylpht...	0.669	0.633	0.587	0.542	0.558	0.518	0.480	0.570	11.50
81)	Benzo(a)anthra...	1.572	1.497	1.358	1.237	1.305	1.201	1.109	1.326	12.39
82)	3,3'-Dichlorob...	0.733	0.715	0.633	0.564	0.578	0.524		0.625	13.62
83)	Chrysene	1.513	1.438	1.301	1.178	1.224	1.138	1.037	1.261	13.34
84)	Bis(2-ethylhex...	1.025	0.958	0.845	0.742	0.754			0.865	14.40
85) c	Di-n-octyl pht...	1.755	1.655	1.513	1.389	1.439	1.314	1.217	1.469	12.84

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.733	1.649	1.486	1.367	1.424	1.306	1.220	1.455	12.60	
88)	Benzo(b)fluora...	1.425	1.378	1.253	1.118	1.156	1.111	0.998	1.206	12.79	
89)	Benzo(k)fluora...	1.475	1.299	1.209	1.122	1.153	1.029	0.976	1.180	14.28	
90) C	Benzo(a)pyrene	1.228	1.149	1.051	0.972	1.006	0.938	0.870	1.030	12.01	
91)	Dibenzo(a,h)an...	1.453	1.369	1.242	1.134	1.182	1.079	0.999	1.208	13.24	
92)	Benzo(g,h,i)pe...	1.440	1.363	1.244	1.148	1.193	1.107	1.039	1.219	11.64	

(#) = Out of Range