

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF011621.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jan 18 13:14:08 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF122968.D 10 =BF122969.D 20 =BF122970.D 40 =BF122971.D 50 =BF122972.D 60 =BF122973.D 80 =BF122974.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.674	0.753	0.646	0.595	0.633	0.640	0.558	0.643	9.59
3)	Pyridine	1.785	2.005	1.767	1.613	1.711	1.780	1.513	1.739	8.88
4)	n-Nitrosodimet...	0.776	0.901	0.779	0.720	0.775	0.799	0.685	0.776	8.74
5) S	2-Fluorophenol	1.412	1.610	1.390	1.217	1.261	1.292	1.081	1.323	12.69
6)	Aniline	2.168	2.468	2.171	1.984	2.125	2.224	1.874	2.145	8.75
7) S	Phenol-d6	1.889	2.150	1.846	1.659	1.699	1.729	1.475	1.778	11.93
8)	2-Chlorophenol	1.481	1.679	1.465	1.303	1.348	1.354	1.151	1.397	11.88
9)	Benzaldehyde	1.199	1.363	0.897	0.887	0.862			1.042	21.73
10) C	Phenol	1.884	2.144	1.828	1.674	1.730	1.738	1.504	1.786	11.14
11)	bis(2-Chloroet...	1.528	1.732	1.496	1.330	1.398	1.425	1.211	1.446	11.37
12)	1,3-Dichlorobe...	1.751	1.976	1.682	1.496	1.535	1.554	1.326	1.617	12.89
13) C	1,4-Dichlorobe...	1.775	1.985	1.679	1.500	1.575	1.561	1.323	1.628	13.00
14)	1,2-Dichlorobe...	1.680	1.900	1.606	1.404	1.424	1.417	1.203	1.519	15.00
15)	Benzyl Alcohol	1.242	1.477	1.286	1.182	1.246	1.281	1.060	1.253	10.01
16)	2,2'-oxybis(1-...	2.723	3.054	2.605	2.348	2.425	2.453	2.035	2.520	12.67
17)	2-Methylphenol	1.216	1.396	1.196	1.096	1.166	1.210	1.016	1.185	9.93
18)	Hexachloroethane	0.604	0.692	0.609	0.548	0.574	0.591	0.501	0.589	10.07
19) P	n-Nitroso-di-n...	1.076	1.243	1.069	0.988	1.040	1.066	0.892	1.053	10.08
20)	3+4-Methylphenols	1.574	1.834	1.574	1.387	1.417	1.420	1.173	1.483	13.86
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.534	0.596	0.516	0.462	0.492	0.496	0.426	0.503	10.76
23) S	Nitrobenzene-d5	0.378	0.445	0.400	0.362	0.393	0.398	0.345	0.389	8.22
24)	Nitrobenzene	0.398	0.449	0.404	0.371	0.403	0.409	0.353	0.398	7.61
25)	Isophorone	0.679	0.789	0.702	0.639	0.692	0.725	0.628	0.693	7.82
26) C	2-Nitrophenol	0.139	0.189	0.181	0.176	0.193	0.202	0.178	0.180	11.29
27)	2,4-Dimethylph...	0.275	0.329	0.289	0.267	0.290	0.297	0.260	0.287	7.96
28)	bis(2-Chloroet...	0.473	0.549	0.473	0.434	0.468	0.476	0.408	0.469	9.33
29) C	2,4-Dichloroph...	0.281	0.342	0.306	0.281	0.309	0.309	0.267	0.299	8.33
30)	1,2,4-Trichlor...	0.331	0.368	0.328	0.294	0.317	0.320	0.273	0.319	9.39
31)	Naphthalene	1.094	1.250	1.067	0.950	1.002	0.992	0.843	1.028	12.41
32)	Benzoic acid		0.190	0.212	0.235	0.268	0.286	0.253	0.241	14.75
33)	4-Chloroaniline	0.452	0.515	0.450	0.411	0.445	0.458	0.409	0.449	7.92
34) C	Hexachlorobuta...	0.177	0.201	0.174	0.162	0.173	0.176	0.156	0.174	8.13
35)	Caprolactam	0.090	0.113	0.103	0.096	0.103	0.109	0.097	0.102	7.70
36) C	4-Chloro-3-met...	0.302	0.365	0.319	0.297	0.322	0.336	0.286	0.318	8.35
37)	2-Methylnaphth...	0.744	0.853	0.732	0.669	0.684	0.695	0.588	0.709	11.42
38)	1-Methylnaphth...	0.714	0.801	0.692	0.615	0.651	0.654	0.562	0.670	11.38

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\										
Method File : 8270-BF011621.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.574	0.655	0.562	0.499	0.550	0.541	0.462	0.549	11.10
41) P	Hexachlorocycl...	0.227	0.282	0.272	0.256	0.289	0.290	0.252	0.267	8.73
42) S	2,4,6-Tribromo...	0.207	0.258	0.228	0.213	0.231	0.238	0.208	0.226	8.20
43) C	2,4,6-Trichlor...	0.370	0.462	0.414	0.387	0.428	0.427	0.376	0.409	8.12
44)	2,4,5-Trichlor...	0.388	0.473	0.430	0.386	0.434	0.433	0.362	0.415	9.16
45) S	2-Fluorobiphenyl	1.570	1.733	1.474	1.240	1.297	1.255		1.428	13.92
46)	1,1'-Biphenyl	1.772	2.002	1.722	1.470	1.563	1.549	1.308	1.627	13.92
47)	2-Chloronaphth...	1.425	1.627	1.420	1.263	1.345	1.310	1.110	1.357	11.79
48)	2-Nitroaniline	0.395	0.518	0.472	0.439	0.490	0.497	0.428	0.463	9.44
49)	Acenaphthylene	2.046	2.430	2.087	1.812	1.950	1.919	1.617	1.980	12.76
50)	Dimethylphthalate	1.624	1.873	1.586	1.393	1.556	1.514	1.319	1.552	11.48
51)	2,6-Dinitrotol...	0.315	0.394	0.341	0.322	0.351	0.346	0.308	0.340	8.58
52) C	Acenaphthene	1.315	1.547	1.325	1.183	1.258	1.257	1.074	1.280	11.39
53)	3-Nitroaniline	0.387	0.479	0.431	0.395	0.429	0.436	0.381	0.420	8.26
54) P	2,4-Dinitrophenol	0.058	0.113	0.125	0.139	0.163	0.174		0.129	32.32
55)	Dibenzofuran	1.936	2.191	1.878	1.637	1.717	1.695	1.432	1.784	13.63
56) P	4-Nitrophenol	0.251	0.346	0.320	0.300	0.323	0.330	0.295	0.309	9.97
57)	2,4-Dinitrotol...	0.381	0.501	0.453	0.410	0.456	0.462	0.394	0.437	9.79
58)	Fluorene	1.558	1.730	1.455	1.274	1.324	1.320	1.106	1.395	14.67
59)	2,3,4,6-Tetrac...	0.312	0.386	0.339	0.308	0.331	0.351	0.292	0.331	9.44
60)	Diethylphthalate	1.587	1.830	1.574	1.379	1.466	1.475	1.250	1.509	12.11
61)	4-Chlorophenyl...	0.680	0.777	0.654	0.568	0.604	0.605	0.503	0.627	13.91
62)	4-Nitroaniline	0.387	0.472	0.421	0.386	0.425	0.434	0.375	0.414	8.23
63)	Azobenzene	1.588	1.823	1.601	1.391	1.461	1.453	1.250	1.510	12.08
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.098	0.101	0.106	0.121	0.131	0.118	0.113		11.50
66) c	n-Nitrosodiphe...	0.774	0.890	0.777	0.680	0.727	0.736	0.643	0.747	10.64
67)	4-Bromophenyl-...	0.240	0.288	0.247	0.228	0.243	0.248	0.218	0.245	9.06
68)	Hexachlorobenzene	0.281	0.335	0.280	0.254	0.277	0.280	0.249	0.280	9.93
69)	Atrazine	0.216	0.247	0.206	0.185	0.188	0.192	0.156	0.199	14.36
70) C	Pentachlorophenol	0.108	0.157	0.152	0.146	0.159	0.164	0.144	0.147	12.63
71)	Phenanthrene	1.319	1.472	1.271	1.090	1.125	1.137	0.976	1.199	13.82
72)	Anthracene	1.248	1.447	1.251	1.092	1.151	1.128	0.974	1.185	12.66
73)	Carbazole	1.228	1.406	1.206	1.044	1.092	1.102	0.959	1.148	12.73
74)	Di-n-butylphth...	1.380	1.685	1.476	1.274	1.300	1.293	1.103	1.359	13.47
75) C	Fluoranthene	1.277	1.475	1.285	1.117	1.157	1.168	1.009	1.213	12.32
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.547	0.588	0.526	0.525	0.501	0.557	0.462	0.530	7.68
78)	Pyrene	1.643	1.894	1.638	1.488	1.578	1.598	1.371	1.601	10.05
79) S	Terphenyl-d14	1.181	1.316	1.135	0.991	1.032	1.068	0.913	1.091	12.22
80)	Butylbenzylpht...	0.568	0.792	0.736	0.695	0.760	0.791	0.682	0.718	10.98
81)	Benzo(a)anthra...	1.342	1.566	1.383	1.221	1.336	1.359	1.163	1.339	9.61
82)	3,3'-Dichlorob...	0.376	0.498	0.454	0.426	0.458	0.464	0.391	0.438	9.89
83)	Chrysene	1.449	1.571	1.377	1.242	1.322	1.329	1.159	1.350	9.96
84)	Bis(2-ethylhex...	0.884	1.132	0.999	0.904	0.964	0.983	0.832	0.957	10.16
85) c	Di-n-octyl pht...	1.190	1.722	1.637	1.531	1.641	1.690	1.423	1.548	12.12

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\

Method File : 8270-BF011621.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.072	1.424	1.365	1.243	1.261	1.299	1.156	1.260		9.50
88)	Benzo(b)fluora...	1.310	1.507	1.334	1.287	1.327	1.421	1.263	1.350		6.32
89)	Benzo(k)fluora...	1.397	1.572	1.495	1.304	1.378	1.327	1.216	1.384		8.63
90) C	Benzo(a)pyrene	1.073	1.360	1.288	1.193	1.228	1.263	1.130	1.219		7.96
91)	Dibenzo(a,h)an...	0.860	1.177	1.122	1.034	1.033	1.061	0.939	1.032		10.35
92)	Benzo(g,h,i)pe...	0.909	1.156	1.082	0.956	0.977	1.019	0.897	0.999		9.39

(#) = Out of Range