

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF042621.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Apr 26 19:04:46 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF123732.D 10 =BF123733.D 20 =BF123734.D 40 =BF123735.D 50 =BF123736.D 60 =BF123737.D 80 =BF123738.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.835	0.833	0.779	0.647	0.652	0.634	0.592	0.710	14.39
3) Pyridine	2.012	1.982	1.881	1.653	1.640	1.599	1.477	1.749	11.86
4) n-Nitrosodimet...	1.094	1.105	1.028	0.895	0.900	0.876	0.844	0.963	11.36
5) S 2-Fluorophenol	1.654	1.612	1.466	1.190	1.170	1.118	1.032	1.320	19.09
6) Aniline	2.590	2.547	2.344	1.935	1.905	1.826	1.684	2.119	17.34
7) S Phenol-d6	2.286	2.221	2.013	1.647	1.620	1.549	1.425	1.823	18.93
8) 2-Chlorophenol	1.821	1.741	1.543	1.304	1.280	1.221	1.112	1.432	19.02
9) Benzaldehyde	1.074	1.044	0.948	0.767	0.729	0.699		0.877	18.90
10) C Phenol	2.524	2.427	2.184	1.737	1.731	1.649		2.042	18.90
11) bis(2-Chloroet...	1.782	1.680	1.560	1.320	1.298	1.244	1.155	1.434	16.65
12) 1,3-Dichlorobe...	1.846	1.771	1.594	1.320	1.299	1.247	1.141	1.460	18.89
13) C 1,4-Dichlorobe...	1.861	1.748	1.602	1.351	1.308	1.256	1.140	1.467	18.51
14) 1,2-Dichlorobe...	1.779	1.679	1.514	1.236	1.204	1.148		1.427	18.78
15) Benzyl Alcohol	1.696	1.722	1.591	1.348	1.328	1.273	1.162	1.446	15.31
16) 2,2'-oxybis(1-...	3.749	3.654	3.357	2.827	2.733	2.649	2.373	3.049	17.55
17) 2-Methylphenol	1.534	1.476	1.319	1.119	1.116	1.064	0.989	1.231	17.28
18) Hexachloroethane	0.704	0.714	0.645	0.539	0.536	0.509	0.476	0.589	16.49
19) P n-Nitroso-di-n...	1.437	1.388	1.246	1.036	1.027	1.003	0.936	1.153	17.47
20) 3+4-Methylphenols		1.893	1.637	1.338	1.311	1.253	1.128	1.427	19.88
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.700	0.683	0.604	0.525	0.507	0.489	0.471	0.569	16.54
23) S Nitrobenzene-d5	0.542	0.536	0.481	0.440	0.424	0.413	0.396	0.462	12.84
24) Nitrobenzene	0.560	0.557	0.510	0.458	0.440	0.433	0.411	0.481	12.68
25) Isophorone	1.029	0.997	0.894	0.829	0.809	0.790	0.780	0.875	11.59
26) C 2-Nitrophenol	0.217	0.223	0.211	0.194	0.193	0.181	0.177	0.199	8.89
27) 2,4-Dimethylph...	0.369	0.359	0.328	0.294	0.283	0.276	0.268	0.311	13.17
28) bis(2-Chloroet...	0.532	0.513	0.463	0.424	0.409	0.398	0.383	0.446	13.06
29) C 2,4-Dichloroph...	0.350	0.350	0.320	0.292	0.279	0.271	0.261	0.303	12.17
30) 1,2,4-Trichlor...	0.378	0.374	0.345	0.300	0.286	0.281	0.268	0.319	14.44
31) Naphthalene	1.312	1.301	1.158	1.016	0.967	0.936	0.877	1.081	16.36
32) Benzoic acid	0.128	0.188	0.198	0.201	0.206	0.215	0.221	0.194	16.09
33) 4-Chloroaniline	0.541	0.529	0.477	0.428	0.416	0.404	0.390	0.455	13.46
34) C Hexachlorobuta...	0.239	0.224	0.205	0.187	0.178	0.172	0.163	0.195	14.38
35) Caprolactam	0.117	0.122	0.112	0.102	0.102	0.099	0.097	0.107	9.07
36) C 4-Chloro-3-met...	0.440	0.442	0.399	0.361	0.355	0.345	0.331	0.382	11.89
37) 2-Methylnaphth...	0.862	0.847	0.747	0.656	0.634	0.616	0.573	0.705	16.33
38) 1-Methylnaphth...	0.824	0.814	0.706	0.618	0.590	0.574	0.541	0.667	17.40

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\										
Method File : 8270-BF042621.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.722	0.733	0.661	0.563	0.554	0.532	0.497	0.609	15.67
41) P	Hexachlorocycl...	0.192	0.223	0.241	0.256	0.252	0.249	0.236		10.22
42) S	2,4,6-Tribromo...	0.299	0.311	0.278	0.247	0.242	0.241	0.224	0.263	12.52
43) C	2,4,6-Trichlor...	0.484	0.478	0.471	0.403	0.397	0.390	0.361	0.426	11.75
44)	2,4,5-Trichlor...	0.521	0.512	0.495	0.423	0.427	0.416	0.388	0.455	11.74
45) S	2-Fluorobiphenyl	1.728	1.563	1.266	1.237	1.186	1.089	1.345		18.29
46)	1,1'-Biphenyl	2.115	2.028	1.858	1.551	1.500	1.424	1.324	1.686	18.49
47)	2-Chloronaphth...	1.565	1.531	1.394	1.184	1.151	1.097	1.039	1.280	16.70
48)	2-Nitroaniline	0.618	0.638	0.595	0.538	0.533	0.514	0.499	0.562	9.62
49)	Acenaphthylene	2.577	2.543	2.297	1.898	1.860	1.810	1.631	2.088	18.17
50)	Dimethylphthalate	1.765	1.712	1.575	1.344	1.334	1.309	1.212	1.465	14.82
51)	2,6-Dinitrotol...	0.403	0.414	0.362	0.325	0.318	0.311	0.287	0.346	13.93
52) C	Acenaphthene	1.565	1.514	1.348	1.182	1.135	1.079	1.015	1.263	17.11
53)	3-Nitroaniline	0.466	0.464	0.430	0.377	0.371	0.365	0.345	0.402	12.36
54) P	2,4-Dinitrophenol	0.131	0.171	0.183	0.181	0.188	0.187	0.181	0.175	11.56
55)	Dibenzofuran	2.348	2.299	2.106	1.752	1.700	1.645	1.484	1.905	17.95
56) P	4-Nitrophenol	0.314	0.344	0.326	0.291	0.289	0.280	0.263	0.301	9.29
57)	2,4-Dinitrotol...	0.540	0.554	0.497	0.431	0.431	0.423	0.381	0.465	14.03
58)	Fluorene	1.852	1.814	1.568	1.323	1.300	1.270	1.151	1.468	18.98
59)	2,3,4,6-Tetrac...	0.403	0.423	0.401	0.342	0.341	0.344	0.305	0.366	11.82
60)	Diethylphthalate	1.933	1.841	1.670	1.454	1.426	1.390	1.270	1.569	15.87
61)	4-Chlorophenyl...	0.865	0.828	0.735	0.611	0.602	0.588	0.533	0.680	18.97
62)	4-Nitroaniline	0.451	0.463	0.428	0.377	0.379	0.370	0.345	0.402	11.20
63)	Azobenzene	2.178	2.105	1.935	1.660	1.629	1.574	1.447	1.790	15.77
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.121	0.147	0.143	0.136	0.129	0.135	0.126	0.134	6.84
66) c	n-Nitrosodiphe...	0.842	0.810	0.724	0.628	0.610	0.603	0.563	0.683	16.09
67)	4-Bromophenyl-...	0.265	0.268	0.232	0.211	0.201	0.205	0.187	0.224	14.18
68)	Hexachlorobenzene	0.305	0.306	0.263	0.241	0.233	0.226	0.215	0.255	14.55
69)	Atrazine	0.250	0.249	0.216	0.197	0.192	0.189	0.171	0.209	14.56
70) C	Pentachlorophenol	0.118	0.133	0.129	0.130	0.129	0.131	0.127	0.128	3.67
71)	Phenanthrene	1.389	1.342	1.190	1.011	0.968	0.951	0.881	1.105	18.32
72)	Anthracene	1.379	1.304	1.171	1.017	0.965	0.955	0.878	1.096	17.48
73)	Carbazole	1.394	1.332	1.215	1.034	0.970	0.965	0.884	1.114	17.88
74)	Di-n-butylphth...	1.576	1.521	1.344	1.165	1.101	1.108	1.001	1.259	17.74
75) C	Fluoranthene	1.514	1.492	1.297	1.099	1.052	1.038	0.940	1.204	19.14
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.637	0.696	0.614	0.575	0.556	0.554	0.507	0.591	10.61
78)	Pyrene	1.853	1.853	1.677	1.520	1.524	1.521	1.498	1.635	9.80
79) S	Terphenyl-d14	1.319	1.273	1.111	1.005	0.989	0.990	0.964	1.093	13.44
80)	Butylbenzylpht...	0.781	0.782	0.720	0.662	0.677	0.669	0.648	0.706	8.03
81)	Benzo(a)anthra...	1.556	1.502	1.350	1.182	1.156	1.118	1.066	1.276	15.26
82)	3,3'-Dichlorob...	0.493	0.475	0.412	0.361	0.353	0.334	0.300	0.390	18.71
83)	Chrysene	1.529	1.516	1.365	1.193	1.179	1.118	1.074	1.282	14.63
84)	Bis(2-ethylhex...	1.054	0.994	0.884	0.821	0.811	0.793	0.767	0.875	12.50
85) c	Di-n-octyl pht...	1.697	1.643	1.448	1.342	1.313	1.223	1.182	1.407	14.17

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

Method File : 8270-BF042621.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.404	1.339	1.147	1.039	1.134	1.228	1.264	1.222	10.32	
88)	Benzo(b)fluora...	1.634	1.522	1.560	1.314	1.403	1.249	1.192	1.411	11.88	
89)	Benzo(k)fluora...	1.566	1.554	1.368	1.308	1.207	1.262	1.121	1.341	12.55	
90) C	Benzo(a)pyrene	1.409	1.370	1.267	1.163	1.138	1.105	1.053	1.215	11.22	
91)	Dibenzo(a,h)an...	1.186	1.152	0.958	0.880	0.955	1.010	1.046	1.027	10.73	
92)	Benzo(g,h,i)pe...	1.134	1.077	0.907	0.861	0.982	1.084	1.120	1.023	10.54	

(#) = Out of Range