

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF043024.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed May 01 03:25:08 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF137764.D 5 =BF137765.D 10 =BF137766.D 20 =BF137767.D 40 =BF137768.D 50 =BF137769.D 60 =BF137770.D 80 =BF137771.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.568	0.529	0.572	0.529	0.521	0.521	0.521	0.524	0.538	4.17
3)	Pyridine	1.333	1.304	1.418	1.292	1.252	1.251	1.263	1.302		4.56
4)	n-Nitrosodimet...	0.625	0.575	0.613	0.577	0.571	0.567	0.575	0.586		3.87
5) S	2-Fluorophenol	1.313	1.258	1.295	1.164	1.130	1.113	1.090	1.195		7.70
6)	Aniline	1.617	1.507	1.592	1.500	1.465	1.452	1.380	1.502		5.43
7) S	Phenol-d6	1.671	1.603	1.633	1.478	1.432	1.412	1.376	1.515		7.82
8)	2-Chlorophenol	1.416	1.354	1.402	1.273	1.240	1.233	1.194	1.302		6.79
9)	Benzaldehyde		0.981	0.968	0.780	0.674	0.676		0.816		18.54
10) C	Phenol	1.700	1.599	1.669	1.515	1.479	1.435	1.472	1.553		6.68
11)	bis(2-Chloroet...	1.312	1.255	1.274	1.190	1.163	1.154	1.160	1.216		5.25
12)	1,3-Dichlorobe...	1.602	1.547	1.577	1.432	1.397	1.375	1.346	1.468		7.13
13) C	1,4-Dichlorobe...	1.628	1.523	1.577	1.443	1.400	1.391	1.349	1.473		7.09
14)	1,2-Dichlorobe...	1.577	1.477	1.488	1.358	1.292	1.290	1.230	1.387		9.24
15)	Benzyl Alcohol	1.061	1.044	1.118	1.062	1.017	1.023	1.009	1.048		3.57
16)	2,2'-oxybis(1-...	1.872	1.744	1.804	1.690	1.620	1.636	1.595	1.709		6.01
17)	2-Methylphenol	1.115	1.065	1.102	1.036	1.015	1.012	1.008	1.050		4.22
18)	Hexachloroethane	0.509	0.504	0.531	0.497	0.485	0.487	0.473	0.498		3.81
19) P	n-Nitroso-di-n...	0.970	0.987	0.934	0.967	0.884	0.845	0.840	0.816	0.905	7.42
20)	3+4-Methylphenols	1.497	1.434	1.499	1.376	1.321	1.302	1.245	1.382		7.15
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.498	0.473	0.481	0.445	0.421	0.422	0.409	0.450		7.71
23) S	Nitrobenzene-d5	0.357	0.350	0.363	0.345	0.332	0.334	0.328	0.344		3.94
24)	Nitrobenzene	0.374	0.359	0.372	0.355	0.341	0.344	0.337	0.355		4.18
25)	Isophorone	0.659	0.632	0.645	0.608	0.589	0.605	0.607	0.621		4.07
26) C	2-Nitrophenol	0.135	0.142	0.165	0.170	0.167	0.171	0.174	0.161		9.69
27)	2,4-Dimethylph...	0.243	0.232	0.245	0.229	0.221	0.226	0.223	0.231		4.11
28)	bis(2-Chloroet...	0.408	0.389	0.396	0.372	0.353	0.360	0.353	0.376		5.90
29) C	2,4-Dichloroph...	0.287	0.279	0.294	0.280	0.272	0.272	0.271	0.280		3.09
30)	1,2,4-Trichlor...	0.327	0.316	0.319	0.302	0.288	0.295	0.287	0.305		5.24
31)	Naphthalene	1.115	1.061	1.065	0.979	0.922	0.929	0.887	0.994		8.75
32)	Benzoic acid		0.150	0.186	0.204	0.206	0.221	0.230	0.200		14.24
33)	4-Chloroaniline	0.395	0.378	0.383	0.366	0.354	0.345	0.358	0.369		4.80
34) C	Hexachlorobuta...	0.199	0.194	0.196	0.185	0.176	0.183	0.177	0.187		4.96
35)	Caprolactam	0.089	0.087	0.089	0.089	0.088	0.086	0.091	0.089		1.60
36) C	4-Chloro-3-met...	0.306	0.296	0.302	0.292	0.279	0.283	0.284	0.292		3.54
37)	2-Methylnaphth...	0.718	0.686	0.686	0.634	0.600	0.601	0.578	0.643		8.35
38)	1-Methylnaphth...	0.714	0.675	0.675	0.623	0.591	0.591	0.563	0.633		8.82

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.562	0.546	0.561	0.521	0.502	0.519	0.497	0.530	5.05
41) P	Hexachlorocycl...	0.185	0.194	0.222	0.224	0.219	0.235	0.227	0.215	8.48
42) S	2,4,6-Tribromo...	0.208	0.207	0.210	0.201	0.201	0.201	0.202	0.204	2.01
43) C	2,4,6-Trichlor...	0.361	0.353	0.379	0.363	0.352	0.359	0.358	0.361	2.51
44)	2,4,5-Trichlor...	0.399	0.390	0.414	0.403	0.394	0.400	0.387	0.398	2.24
45) S	2-Fluorobiphenyl	1.471	1.368	1.353	1.187	1.106	1.117	1.028	1.233	13.38
46)	1,1'-Biphenyl	1.523	1.438	1.480	1.345	1.281	1.308	1.232	1.373	7.96
47)	2-Chloronaphth...	1.201	1.148	1.196	1.084	1.045	1.065	1.018	1.108	6.67
48)	2-Nitroaniline	0.270	0.285	0.310	0.308	0.308	0.308	0.314	0.301	5.41
49)	Acenaphthylene	1.772	1.648	1.711	1.576	1.522	1.529	1.463	1.603	6.96
50)	Dimethylphthalate	1.364	1.321	1.292	1.242	1.199	1.222	1.199	1.263	5.07
51)	2,6-Dinitrotol...	0.274	0.281	0.299	0.292	0.289	0.293	0.291	0.289	2.90
52) C	Acenaphthene	1.145	1.099	1.135	1.046	1.005	1.018	0.989	1.063	5.98
53)	3-Nitroaniline	0.290	0.291	0.313	0.307	0.300	0.304	0.310	0.302	2.89
54) P	2,4-Dinitrophenol		0.095	0.125	0.146	0.157	0.160	0.168	0.142	19.27
55)	Dibenzofuran	1.728	1.649	1.645	1.515	1.441	1.453	1.393	1.546	8.25
56) P	4-Nitrophenol	0.233	0.236	0.258	0.256	0.260	0.252	0.258	0.250	4.55
57)	2,4-Dinitrotol...	0.341	0.359	0.384	0.385	0.389	0.386	0.395	0.377	5.17
58)	Fluorene	1.388	1.317	1.316	1.203	1.148	1.150	1.092	1.231	8.95
59)	2,3,4,6-Tetrac...	0.336	0.314	0.334	0.325	0.318	0.321	0.315	0.323	2.74
60)	Diethylphthalate	1.318	1.255	1.237	1.173	1.138	1.156	1.117	1.199	6.07
61)	4-Chlorophenyl...	0.671	0.643	0.638	0.591	0.572	0.578	0.551	0.606	7.33
62)	4-Nitroaniline	0.305	0.297	0.308	0.312	0.313	0.304	0.306	0.306	1.80
63)	Azobenzene	1.276	1.221	1.199	1.138	1.102	1.108	1.067	1.159	6.48
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.085	0.108	0.119	0.120	0.126	0.130	0.115	14.14
66) c	n-Nitrosodiphe...	0.662	0.610	0.644	0.589	0.560	0.574	0.551	0.599	7.03
67)	4-Bromophenyl-...	0.228	0.212	0.228	0.213	0.202	0.214	0.203	0.214	4.94
68)	Hexachlorobenzene	0.253	0.235	0.244	0.231	0.223	0.230	0.221	0.234	4.90
69)	Atrazine	0.205	0.188	0.188	0.180	0.173	0.176	0.168	0.183	6.85
70) C	Pentachlorophenol	0.145	0.150	0.171	0.165	0.163	0.166	0.164	0.161	5.73
71)	Phenanthrene	1.105	1.029	1.045	0.949	0.913	0.915	0.868	0.975	8.81
72)	Anthracene	1.083	1.018	1.044	0.952	0.912	0.915	0.866	0.970	8.20
73)	Carbazole	1.063	0.979	0.997	0.911	0.879	0.870	0.845	0.935	8.57
74)	Di-n-butylphth...	1.116	1.061	1.057	1.002	0.977	0.986	0.939	1.020	5.97
75) C	Fluoranthene	1.226	1.119	1.129	1.037	1.011	0.979	0.958	1.066	9.00
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.481	0.362	0.431	0.534	0.515	0.477	0.439	0.463	12.53
78)	Pyrene	1.506	1.608	1.691	1.572	1.484	1.675	1.565	1.586	4.94
79) S	Terphenyl-d14	1.244	1.281	1.302	1.153	1.070	1.204	1.100	1.193	7.47
80)	Butylbenzylpht...	0.427	0.440	0.493	0.518	0.527	0.556	0.562	0.503	10.55
81)	Benzo(a)anthra...	1.361	1.290	1.319	1.249	1.237	1.259	1.239	1.279	3.66
82)	3,3'-Dichlorob...	0.441	0.399	0.412	0.369	0.376	0.350	0.334	0.383	9.64
83)	Chrysene	1.285	1.221	1.248	1.154	1.150	1.172	1.153	1.198	4.50
84)	Bis(2-ethylhex...	0.636	0.563	0.584	0.627	0.671	0.672	0.685	0.634	7.32
85) c	Di-n-octyl pht...	0.884	0.714	0.763	0.834	0.916	0.923	0.938	0.853	10.13

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86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	0.975 0.939 1.088 1.130 1.090 1.408 1.330 1.137	15.25
88)	Benzo(b)fluora...	1.236 1.230 1.344 1.219 1.239 1.225 1.217 1.244	3.59
89)	Benzo(k)fluora...	1.242 1.249 1.236 1.217 1.194 1.123 1.159 1.203	3.92
90) C	Benzo(a)pyrene	1.043 0.994 1.048 1.000 0.987 1.015 1.018 1.015	2.31
91)	Dibenzo(a,h)an...	0.789 0.784 0.899 0.920 0.886 1.141 1.059 0.926	14.31
92)	Benzo(g,h,i)pe...	0.766 0.779 0.918 0.984 0.935 1.239 1.171 0.970	18.56

(#) = Out of Range