

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF103023.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Oct 31 01:13:02 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BF136023.D 5 =BF136024.D 10 =BF136025.D 20 =BF136026.D 40 =BF136027.D 50 =BF136028.D 60 =BF136029.D 80 =BF136030.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.541	0.518	0.583	0.551	0.547	0.565	0.574	0.554		3.97
3)	Pyridine	1.476	1.427	1.591	1.496	1.493	1.538	1.568	1.513		3.74
4)	n-Nitrosodimet...	0.594	0.613	0.651	0.628	0.628	0.649	0.663	0.632		3.78
5) S	2-Fluorophenol	1.313	1.280	1.370	1.246	1.218	1.247	1.235	1.273		4.16
6)	Aniline	2.103	2.052	2.203	2.019	1.957	2.021	2.016	2.053		3.88
7) S	Phenol-d6	1.668	1.574	1.704	1.565	1.504	1.542	1.543	1.586		4.59
8)	2-Chlorophenol	1.403	1.386	1.472	1.352	1.290	1.324	1.298	1.361		4.77
9)	Benzaldehyde	1.055	0.974	0.974	0.861	0.787	0.778	0.760	0.884		13.23
10) C	Phenol	1.675	1.639	1.747	1.643	1.559	1.622	1.595	1.640		3.65
11)	bis(2-Chloroet...	1.328	1.271	1.384	1.260	1.217	1.269	1.259	1.284		4.27
12)	1,3-Dichlorobe...	1.531	1.394	1.521	1.380	1.334	1.380	1.375	1.416		5.46
13) C	1,4-Dichlorobe...	1.490	1.435	1.522	1.398	1.343	1.376	1.371	1.419		4.66
14)	1,2-Dichlorobe...	1.398	1.373	1.450	1.307	1.251	1.276	1.234	1.327		6.12
15)	Benzyl Alcohol	1.140	1.147	1.232	1.123	1.081	1.089	1.059	1.124		5.11
16)	2,2'-oxybis(1-...	1.827	1.781	1.892	1.746	1.689	1.717	1.719	1.767		4.05
17)	2-Methylphenol	1.168	1.154	1.220	1.136	1.105	1.143	1.154	1.154		3.06
18)	Hexachloroethane	0.512	0.491	0.533	0.495	0.479	0.492	0.490	0.499		3.59
19) P	n-Nitroso-di-n...	0.944	0.959	0.915	0.961	0.878	0.846	0.865	0.879	0.906	4.97
20)	3+4-Methylphenols	1.563	1.482	1.565	1.389	1.302	1.301	1.252	1.408		9.23
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.492	0.465	0.485	0.442	0.408	0.412	0.401	0.443		8.52
23) S	Nitrobenzene-d5	0.315	0.314	0.355	0.340	0.322	0.338	0.338	0.332		4.60
24)	Nitrobenzene	0.322	0.318	0.360	0.343	0.329	0.340	0.337	0.336		4.26
25)	Isophorone	0.627	0.612	0.657	0.622	0.601	0.621	0.644	0.626		3.02
26) C	2-Nitrophenol	0.114	0.129	0.161	0.166	0.159	0.170	0.173	0.153		14.83
27)	2,4-Dimethylph...	0.286	0.284	0.309	0.295	0.276	0.287	0.288	0.289		3.56
28)	bis(2-Chloroet...	0.390	0.384	0.412	0.385	0.365	0.371	0.379	0.384		3.89
29) C	2,4-Dichloroph...	0.265	0.261	0.295	0.280	0.263	0.274	0.271	0.273		4.30
30)	1,2,4-Trichlor...	0.306	0.296	0.320	0.300	0.283	0.290	0.288	0.298		4.23
31)	Naphthalene	1.022	0.975	1.047	0.966	0.914	0.928	0.899	0.964		5.76
32)	Benzoic acid		0.153	0.194	0.224	0.222	0.237	0.247	0.213		16.08
33)	4-Chloroaniline	0.436	0.418	0.454	0.425	0.403	0.413	0.408	0.422		4.20
34) C	Hexachlorobuta...	0.174	0.166	0.185	0.173	0.163	0.166	0.166	0.171		4.38
35)	Caprolactam	0.082	0.081	0.094	0.091	0.088	0.091	0.094	0.089		6.10
36) C	4-Chloro-3-met...	0.287	0.279	0.304	0.291	0.275	0.283	0.285	0.286		3.28
37)	2-Methylnaphth...	0.693	0.654	0.703	0.651	0.610	0.613	0.602	0.647		6.28
38)	1-Methylnaphth...	0.643	0.611	0.653	0.608	0.559	0.575	0.563	0.602		6.26

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.595	0.574	0.612	0.577	0.540	0.547	0.548	0.570	4.75
41) P	Hexachlorocycl...	0.261	0.270	0.321	0.321	0.308	0.321	0.330	0.305	9.06
42) S	2,4,6-Tribromo...	0.200	0.213	0.227	0.222	0.208	0.213	0.212	0.213	4.19
43) C	2,4,6-Trichlor...	0.362	0.360	0.392	0.385	0.363	0.366	0.376	0.372	3.43
44)	2,4,5-Trichlor...	0.418	0.413	0.463	0.439	0.416	0.431	0.435	0.431	4.09
45) S	2-Fluorobiphenyl	1.441	1.357	1.398	1.228	1.142	1.122	1.095	1.255	11.37
46)	1,1'-Biphenyl	1.633	1.575	1.645	1.537	1.431	1.437	1.415	1.525	6.42
47)	2-Chloronaphth...	1.163	1.145	1.202	1.136	1.064	1.074	1.083	1.124	4.61
48)	2-Nitroaniline	0.267	0.292	0.352	0.358	0.342	0.351	0.366	0.333	11.28
49)	Acenaphthylene	1.801	1.790	1.886	1.777	1.669	1.678	1.671	1.753	4.73
50)	Dimethylphthalate	1.372	1.318	1.402	1.330	1.247	1.268	1.298	1.319	4.17
51)	2,6-Dinitrotol...	0.239	0.256	0.293	0.300	0.284	0.295	0.308	0.282	8.95
52) C	Acenaphthene	1.177	1.160	1.194	1.131	1.050	1.041	1.049	1.115	5.95
53)	3-Nitroaniline	0.283	0.301	0.349	0.344	0.326	0.344	0.358	0.329	8.36
54) P	2,4-Dinitrophenol	0.071	0.103	0.129	0.133	0.147	0.158	0.123		25.71
55)	Dibenzofuran	1.719	1.677	1.760	1.642	1.522	1.527	1.529	1.625	6.13
56) P	4-Nitrophenol	0.193	0.217	0.251	0.264	0.252	0.268	0.279	0.246	12.46
57)	2,4-Dinitrotol...	0.275	0.323	0.377	0.386	0.373	0.382	0.383	0.357	11.86
58)	Fluorene	1.337	1.277	1.338	1.214	1.130	1.129	1.093	1.217	8.44
59)	2,3,4,6-Tetrac...	0.343	0.336	0.356	0.351	0.333	0.336	0.341	0.342	2.47
60)	Diethylphthalate	1.287	1.258	1.335	1.290	1.206	1.217	1.231	1.260	3.66
61)	4-Chlorophenyl...	0.684	0.645	0.663	0.602	0.554	0.556	0.549	0.607	9.31
62)	4-Nitroaniline	0.264	0.286	0.330	0.338	0.325	0.329	0.346	0.317	9.50
63)	Azobenzene	1.249	1.211	1.308	1.231	1.154	1.167	1.178	1.214	4.43
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.062	0.090	0.109	0.104	0.112	0.118	0.099		20.71
66) c	n-Nitrosodiphe...	0.625	0.608	0.642	0.624	0.565	0.583	0.576	0.603	4.79
67)	4-Bromophenyl-...	0.207	0.204	0.222	0.220	0.199	0.206	0.209	0.210	4.02
68)	Hexachlorobenzene	0.226	0.218	0.235	0.235	0.211	0.221	0.222	0.224	3.94
69)	Atrazine	0.176	0.173	0.180	0.165	0.152	0.157	0.146	0.164	7.77
70) C	Pentachlorophenol	0.118	0.130	0.151	0.156	0.147	0.152	0.153	0.144	9.97
71)	Phenanthrene	1.079	1.031	1.083	1.038	0.935	0.948	0.935	1.007	6.56
72)	Anthracene	1.082	1.057	1.122	1.062	0.958	0.986	0.958	1.032	6.28
73)	Carbazole	0.919	0.904	0.960	0.937	0.845	0.858	0.854	0.897	5.02
74)	Di-n-butylphth...	1.042	1.033	1.110	1.065	0.967	0.982	0.974	1.025	5.20
75) C	Fluoranthene	1.089	1.049	1.126	1.079	0.973	0.977	0.949	1.035	6.59
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.482	0.296	0.408	0.467	0.324	0.367	0.385	0.390	17.64
78)	Pyrene	1.608	1.562	1.770	1.894	1.680	1.865	1.966	1.763	8.67
79) S	Terphenyl-d14	1.271	1.226	1.341	1.365	1.197	1.299	1.310	1.287	4.66
80)	Butylbenzylpht...	0.535	0.542	0.636	0.676	0.641	0.683	0.705	0.631	10.75
81)	Benzo(a)anthra...	1.290	1.276	1.400	1.389	1.267	1.307	1.340	1.324	4.05
82)	3,3'-Dichlorob...	0.375	0.392	0.439	0.453	0.426	0.426	0.448	0.423	6.89
83)	Chrysene	1.257	1.227	1.368	1.361	1.270	1.293	1.352	1.304	4.32
84)	Bis(2-ethylhex...	0.665	0.675	0.774	0.784	0.732	0.754	0.763	0.735	6.44
85) c	Di-n-octyl pht...	0.928	0.972	1.105	1.154	1.143	1.158	1.250	1.102	10.26

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.052	1.058	1.300	1.444	1.336	1.458	1.502	1.307	14.21	
88)	Benzo(b)fluora...	1.182	1.139	1.330	1.169	1.173	1.142	1.149	1.183	5.64	
89)	Benzo(k)fluora...	1.192	1.232	1.254	1.176	1.123	1.095	1.125	1.171	5.10	
90) C	Benzo(a)pyrene	1.063	1.040	1.155	1.118	1.085	1.105	1.131	1.100	3.62	
91)	Dibenzo(a,h)an...	0.856	0.871	1.085	1.184	1.097	1.184	1.217	1.071	13.93	
92)	Benzo(g,h,i)pe...	0.885	0.870	1.096	1.235	1.139	1.235	1.275	1.105	15.14	

(#) = Out of Range