

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM032923.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Mar 30 05:15:45 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BM039200.D 5 =BM039201.D 10 =BM039202.D 20 =BM039203.D 40 =BM039204.D 50 =BM039205.D 60 =BM039206.D 80 =BM039207.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.603	0.562	0.574	0.536	0.501	0.520	0.501	0.543	7.13	
3)	Pyridine	1.564	1.486	1.607	1.546	1.465	1.519	1.453	1.520	3.69	
4)	n-Nitrosodimet...	0.654	0.594	0.642	0.591	0.565	0.580	0.554	0.597	6.31	
5) S	2-Fluorophenol	1.430	1.354	1.406	1.324	1.249	1.296	1.233	1.327	5.63	
6)	Aniline	2.250	2.101	2.246	2.134	2.046	2.102	1.997	2.125	4.47	
7) S	Phenol-d6	1.827	1.740	1.828	1.719	1.626	1.681	1.598	1.717	5.26	
8)	2-Chlorophenol	1.479	1.376	1.440	1.356	1.280	1.323	1.256	1.359	5.96	
9)	Benzaldehyde		1.157	1.136	0.974	0.912	0.894	0.794	0.978	14.63	
10) C	Phenol	1.831	1.733	1.832	1.714	1.644	1.687	1.605	1.721	5.03	
11)	bis(2-Chloroet...	1.493	1.406	1.475	1.376	1.306	1.348	1.286	1.384	5.72	
12)	1,3-Dichlorobe...	1.597	1.466	1.511	1.431	1.352	1.399	1.330	1.441	6.47	
13) C	1,4-Dichlorobe...	1.602	1.496	1.543	1.448	1.361	1.406	1.342	1.457	6.59	
14)	1,2-Dichlorobe...	1.523	1.434	1.489	1.380	1.301	1.344	1.281	1.393	6.63	
15)	Benzyl Alcohol	1.202	1.176	1.243	1.193	1.148	1.181	1.123	1.181	3.26	
16)	2,2'-oxybis(1-...	1.924	1.819	1.879	1.745	1.668	1.728	1.631	1.771	6.10	
17)	2-Methylphenol	1.282	1.204	1.284	1.199	1.152	1.186	1.121	1.204	5.08	
18)	Hexachloroethane	0.627	0.578	0.591	0.556	0.530	0.545	0.518	0.564	6.73	
19) P	n-Nitroso-di-n...	1.135	1.175	1.120	1.166	1.087	1.033	1.062	1.003	1.098	5.68
20)	3+4-Methylphenols		1.669	1.604	1.718	1.633	1.566	1.610	1.525	1.618	3.94
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.564	0.521	0.548	0.537	0.513	0.535	0.525	0.535	3.25	
23) S	Nitrobenzene-d5	0.419	0.401	0.424	0.414	0.398	0.416	0.407	0.412	2.31	
24)	Nitrobenzene	0.418	0.402	0.421	0.411	0.393	0.414	0.406	0.409	2.41	
25)	Isophorone	0.785	0.743	0.795	0.774	0.745	0.774	0.758	0.768	2.57	
26) C	2-Nitrophenol	0.182	0.176	0.193	0.194	0.188	0.197	0.195	0.189	4.14	
27)	2,4-Dimethylph...	0.314	0.304	0.323	0.317	0.307	0.321	0.314	0.314	2.24	
28)	bis(2-Chloroet...	0.485	0.456	0.482	0.463	0.445	0.466	0.456	0.465	3.06	
29) C	2,4-Dichloroph...	0.299	0.293	0.315	0.312	0.301	0.317	0.310	0.307	2.99	
30)	1,2,4-Trichlor...	0.346	0.319	0.336	0.327	0.315	0.332	0.322	0.328	3.30	
31)	Naphthalene	1.134	1.066	1.112	1.074	1.031	1.075	1.050	1.078	3.26	
32)	Benzoic acid		0.196	0.238	0.256	0.250	0.264	0.265	0.245	10.55	
33)	4-Chloroaniline	0.477	0.454	0.488	0.477	0.460	0.480	0.468	0.472	2.51	
34) C	Hexachlorobuta...	0.205	0.191	0.198	0.192	0.184	0.193	0.189	0.193	3.45	
35)	Caprolactam	0.103	0.100	0.110	0.110	0.107	0.110	0.107	0.106	3.78	
36) C	4-Chloro-3-met...	0.333	0.327	0.352	0.345	0.332	0.346	0.335	0.338	2.73	
37)	2-Methylnaphth...	0.788	0.741	0.773	0.750	0.719	0.754	0.727	0.750	3.25	
38)	1-Methylnaphth...	0.739	0.697	0.725	0.703	0.674	0.700	0.680	0.702	3.31	

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.630	0.604	0.619	0.615	0.590	0.612	0.593	0.609	2.36
41) P	Hexachlorocycl...	0.279	0.295	0.333	0.352	0.345	0.367	0.358	0.333	10.06
42) S	2,4,6-Tribromo...	0.249	0.248	0.261	0.258	0.249	0.262	0.250	0.254	2.45
43) C	2,4,6-Trichlor...	0.398	0.393	0.421	0.431	0.412	0.434	0.417	0.415	3.69
44)	2,4,5-Trichlor...	0.468	0.465	0.502	0.504	0.480	0.505	0.485	0.487	3.50
45) S	2-Fluorobiphenyl	1.558	1.484	1.526	1.487	1.412	1.475	1.392	1.476	3.96
46)	1,1'-Biphenyl	1.654	1.559	1.621	1.592	1.515	1.588	1.527	1.579	3.15
47)	2-Chloronaphth...	1.236	1.187	1.220	1.205	1.147	1.201	1.174	1.196	2.47
48)	2-Nitroaniline	0.381	0.383	0.410	0.414	0.404	0.418	0.407	0.402	3.65
49)	Acenaphthylene	2.012	1.953	2.029	1.990	1.888	1.980	1.906	1.965	2.69
50)	Dimethylphthalate	1.606	1.541	1.588	1.546	1.480	1.552	1.475	1.541	3.21
51)	2,6-Dinitrotol...	0.319	0.317	0.344	0.341	0.327	0.341	0.331	0.331	3.27
52) C	Acenaphthene	1.214	1.156	1.185	1.167	1.110	1.161	1.131	1.161	2.96
53)	3-Nitroaniline	0.354	0.362	0.392	0.399	0.381	0.402	0.393	0.383	4.85
54) P	2,4-Dinitrophenol		0.147	0.185	0.205	0.206	0.217	0.218	0.196	13.69
55)	Dibenzofuran	1.976	1.878	1.933	1.869	1.777	1.841	1.804	1.868	3.73
56) P	4-Nitrophenol	0.249	0.258	0.304	0.321	0.305	0.318	0.312	0.295	9.97
57)	2,4-Dinitrotol...	0.410	0.421	0.462	0.469	0.448	0.469	0.459	0.448	5.30
58)	Fluorene	1.566	1.485	1.537	1.478	1.406	1.469	1.415	1.480	3.96
59)	2,3,4,6-Tetrac...	0.379	0.379	0.397	0.395	0.377	0.396	0.388	0.387	2.32
60)	Diethylphthalate	1.619	1.536	1.605	1.556	1.489	1.551	1.503	1.551	3.11
61)	4-Chlorophenyl...	0.775	0.739	0.760	0.732	0.700	0.727	0.699	0.733	3.85
62)	4-Nitroaniline	0.346	0.368	0.404	0.416	0.396	0.416	0.406	0.393	6.70
63)	Azobenzene	1.567	1.515	1.613	1.572	1.507	1.584	1.521	1.554	2.59
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.104	0.126	0.136	0.135	0.143	0.145	0.132	11.34
66) c	n-Nitrosodiphe...	0.632	0.612	0.644	0.635	0.609	0.638	0.642	0.630	2.23
67)	4-Bromophenyl-...	0.214	0.205	0.219	0.214	0.208	0.218	0.217	0.214	2.43
68)	Hexachlorobenzene	0.242	0.225	0.237	0.231	0.221	0.234	0.230	0.232	3.06
69)	Atrazine	0.200	0.197	0.204	0.200	0.193	0.204	0.199	0.200	1.88
70) C	Pentachlorophenol	0.140	0.148	0.171	0.175	0.170	0.180	0.179	0.166	9.45
71)	Phenanthrene	1.157	1.090	1.122	1.094	1.036	1.098	1.070	1.095	3.49
72)	Anthracene	1.136	1.089	1.154	1.132	1.071	1.131	1.106	1.117	2.64
73)	Carbazole	1.064	1.025	1.077	1.059	1.005	1.050	1.026	1.044	2.46
74)	Di-n-butylphth...	1.283	1.256	1.325	1.317	1.251	1.318	1.287	1.291	2.34
75) C	Fluoranthene	1.305	1.243	1.290	1.258	1.191	1.245	1.208	1.249	3.28
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.499	0.499	0.562	0.562	0.541	0.552	0.478	0.528	6.54
78)	Pyrene	1.476	1.397	1.487	1.423	1.377	1.433	1.373	1.424	3.17
79) S	Terphenyl-d14	1.163	1.097	1.147	1.080	1.023	1.064	1.003	1.083	5.46
80)	Butylbenzylpht...	0.648	0.627	0.674	0.661	0.639	0.664	0.653	0.652	2.43
81)	Benzo(a)anthra...	1.473	1.388	1.452	1.404	1.359	1.414	1.384	1.411	2.83
82)	3,3'-Dichlorob...	0.481	0.465	0.496	0.475	0.457	0.467	0.449	0.470	3.34
83)	Chrysene	1.429	1.330	1.399	1.369	1.324	1.358	1.322	1.362	2.98
84)	Bis(2-ethylhex...	0.990	0.948	0.997	0.965	0.932	0.971	0.941	0.963	2.54
85) c	Di-n-octyl pht...	1.793	1.687	1.787	1.740	1.689	1.757	1.697	1.736	2.62

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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.514	1.416	1.512	1.501	1.430	1.481	1.460	1.474	2.69
88)	Benzo(b)fluora...	1.247	1.172	1.298	1.223	1.154	1.251	1.223	1.224	4.00
89)	Benzo(k)fluora...	1.321	1.231	1.279	1.255	1.209	1.222	1.209	1.247	3.34
90) C	Benzo(a)pyrene	1.239	1.159	1.241	1.215	1.158	1.211	1.193	1.202	2.84
91)	Dibenzo(a,h)an...	1.279	1.191	1.279	1.262	1.197	1.238	1.215	1.237	3.02
92)	Benzo(g,h,i)pe...	1.237	1.166	1.256	1.244	1.177	1.228	1.209	1.217	2.82

(#) = Out of Range