

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM060921.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jun 08 20:51:08 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM030323.D 10 =BM030324.D 20 =BM030325.D 40 =BM030326.D 50 =BM030327.D 60 =BM030328.D 80 =BM030329.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.555	0.565	0.551	0.504	0.528	0.503	0.517	0.532	4.76
3) Pyridine	1.135	1.229	1.458	1.313	1.463	1.424	1.481	1.358	9.94
4) n-Nitrosodimet...	0.681	0.684	0.697	0.654	0.718	0.690	0.700	0.689	2.85
5) S 2-Fluorophenol	1.203	1.229	1.253	1.170	1.254	1.222	1.281	1.230	2.96
6) Aniline	1.924	1.959	2.133	1.926	2.134	2.035	2.115	2.032	4.75
7) S Phenol-d6	1.642	1.688	1.844	1.722	1.872	1.812	1.886	1.781	5.42
8) 2-Chlorophenol	1.391	1.421	1.494	1.352	1.485	1.448	1.517	1.444	4.12
9) Benzaldehyde	0.778	0.775	0.802	0.770	0.753	0.688	0.640	0.744	7.80
10) C Phenol	1.734	1.761	1.857	1.694	1.866	1.806	1.877	1.799	3.98
11) bis(2-Chloroet...	1.396	1.401	1.493	1.331	1.458	1.397	1.448	1.418	3.76
12) 1,3-Dichlorobe...	1.624	1.618	1.641	1.469	1.603	1.557	1.625	1.591	3.78
13) C 1,4-Dichlorobe...	1.659	1.653	1.678	1.493	1.630	1.586	1.649	1.621	3.90
14) 1,2-Dichlorobe...	1.614	1.592	1.614	1.457	1.590	1.550	1.622	1.577	3.69
15) Benzyl Alcohol	1.076	1.147	1.296	1.195	1.354	1.311	1.371	1.250	8.96
16) 2,2'-oxybis(1-...	2.323	2.276	2.373	2.160	2.362	2.226	2.247	2.281	3.38
17) 2-Methylphenol	1.038	1.092	1.222	1.118	1.252	1.190	1.249	1.166	7.19
18) Hexachloroethane	0.558	0.571	0.593	0.548	0.599	0.592	0.618	0.583	4.25
19) P n-Nitroso-di-n...	1.062	1.081	1.247	1.144	1.268	1.211	1.264	1.182	7.33
20) 3+4-Methylphenols	1.405	1.477	1.642	1.532	1.710	1.633	1.706	1.586	7.41
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.508	0.504	0.538	0.512	0.552	0.544	0.584	0.534	5.40
23) S Nitrobenzene-d5	0.365	0.377	0.409	0.396	0.436	0.429	0.462	0.411	8.34
24) Nitrobenzene	0.398	0.405	0.432	0.401	0.450	0.441	0.471	0.428	6.53
25) Isophorone	0.674	0.698	0.792	0.752	0.852	0.834	0.906	0.787	10.71
26) C 2-Nitrophenol	0.126	0.140	0.164	0.166	0.193	0.196		0.164	17.01
27) 2,4-Dimethylph...	0.272	0.276	0.310	0.288	0.324	0.316	0.344	0.305	8.74
28) bis(2-Chloroet...	0.424	0.422	0.457	0.418	0.467	0.455	0.487	0.447	5.88
29) C 2,4-Dichloroph...	0.286	0.302	0.346	0.322	0.365	0.365	0.403	0.341	11.86
30) 1,2,4-Trichlor...	0.377	0.375	0.391	0.356	0.394	0.399	0.435	0.390	6.39
31) Naphthalene	1.154	1.134	1.182	1.063	1.192	1.168	1.263	1.165	5.21
32) Benzoic acid	0.105	0.125	0.184	0.210	0.244	0.248		0.186	32.32
33) 4-Chloroaniline	0.411	0.426	0.485	0.447	0.505	0.501	0.544	0.474	10.07
34) C Hexachlorobuta...	0.232	0.219	0.230	0.210	0.233	0.238	0.266	0.233	7.51
35) Caprolactam		0.075	0.100	0.107	0.115	0.116	0.129	0.107	17.27
36) C 4-Chloro-3-met...	0.298	0.312	0.363	0.341	0.389	0.381	0.420	0.358	12.20
37) 2-Methylnaphth...	0.805	0.798	0.866	0.793	0.886	0.877	0.958	0.855	7.02
38) 1-Methylnaphth...	0.778	0.760	0.825	0.753	0.842	0.834	0.907	0.814	6.70

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.628	0.619	0.634	0.599	0.654	0.655	0.724	0.645	6.20
41) P	Hexachlorocycl...	0.316	0.319	0.342	0.329	0.372	0.376	0.419	0.353	10.65
42) S	2,4,6-Tribromo...	0.200	0.242	0.245	0.278	0.292		0.251		14.08
43) C	2,4,6-Trichlor...	0.361	0.391	0.431	0.412	0.469	0.467	0.520	0.436	12.34
44)	2,4,5-Trichlor...	0.406	0.427	0.477	0.450	0.512	0.511	0.564	0.478	11.54
45) S	2-Fluorobiphenyl	1.478	1.483	1.520	1.423	1.563	1.537	1.642	1.521	4.61
46)	1,1'-Biphenyl	1.588	1.577	1.604	1.524	1.659	1.628	1.758	1.620	4.57
47)	2-Chloronaphth...	1.288	1.270	1.304	1.200	1.345	1.323	1.434	1.309	5.49
48)	2-Nitroaniline	0.258	0.282	0.350	0.347	0.400	0.398	0.429	0.352	17.97
49)	Acenaphthylene	1.803	1.868	2.028	1.893	2.115	2.072	2.259	2.006	7.99
50)	Dimethylphthalate	1.500	1.473	1.613	1.478	1.651	1.641	1.785	1.592	7.21
51)	2,6-Dinitrotol...	0.291	0.299	0.353	0.335	0.377	0.381	0.419	0.351	13.14
52) C	Acenaphthene	1.234	1.232	1.292	1.179	1.320	1.299	1.412	1.281	5.89
53)	3-Nitroaniline	0.259	0.290	0.353	0.339	0.386	0.386	0.425	0.348	16.68
54) P	2,4-Dinitrophenol	0.127	0.166	0.179	0.210	0.219	0.254	0.192		23.29
55)	Dibenzofuran	2.027	1.955	2.062	1.858	2.087	2.054	2.225	2.038	5.58
56) P	4-Nitrophenol	0.229	0.305	0.291	0.332	0.333		0.298		14.28
57)	2,4-Dinitrotol...	0.322	0.361	0.459	0.442	0.508	0.515	0.434		18.01
58)	Fluorene	1.549	1.546	1.694	1.565	1.764	1.747	1.905	1.682	8.07
59)	2,3,4,6-Tetrac...	0.349	0.363	0.416	0.391	0.435	0.444	0.498	0.414	12.35
60)	Diethylphthalate	1.421	1.412	1.613	1.505	1.670	1.678	1.838	1.591	9.72
61)	4-Chlorophenyl...	0.782	0.772	0.825	0.755	0.855	0.861	0.951	0.829	8.18
62)	4-Nitroaniline	0.238	0.273	0.366	0.357	0.406	0.408	0.454	0.357	21.60
63)	Azobenzene	1.376	1.443	1.674	1.561	1.728	1.664	1.804	1.607	9.64
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.096	0.120	0.123	0.146	0.150	0.168	0.134		19.23
66) c	n-Nitrosodiphe...	0.650	0.666	0.691	0.639	0.735	0.716	0.773	0.696	6.99
67)	4-Bromophenyl-...	0.214	0.213	0.228	0.213	0.244	0.246	0.272	0.233	9.54
68)	Hexachlorobenzene	0.252	0.249	0.257	0.240	0.273	0.276	0.304	0.264	8.24
69)	Atrazine	0.157	0.163	0.188	0.205	0.195	0.192	0.204	0.186	10.24
70) C	Pentachlorophenol	0.123	0.151	0.151	0.172	0.176		0.155		13.66
71)	Phenanthrene	1.244	1.222	1.265	1.151	1.290	1.276	1.362	1.258	5.14
72)	Anthracene	1.107	1.148	1.237	1.144	1.292	1.262	1.363	1.222	7.56
73)	Carbazole	1.034	1.086	1.195	1.093	1.228	1.214	1.307	1.165	8.28
74)	Di-n-butylphth...	0.963	1.048	1.276	1.229	1.381	1.392	1.215		14.44
75) C	Fluoranthene	1.299	1.323	1.465	1.325	1.487	1.492	1.607	1.428	8.05
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.186	0.212	0.296	0.468	0.411	0.403	0.500	0.354	34.99
78)	Pyrene	1.367	1.428	1.550	1.463	1.645	1.565	1.590	1.516	6.52
79) S	Terphenyl-d14	1.072	1.077	1.168	1.136	1.227	1.160	1.132	1.139	4.72
80)	Butylbenzylpht...	0.377	0.417	0.541	0.553	0.628	0.625	0.676	0.545	20.53
81)	Benzo(a)anthra...	1.386	1.417	1.504	1.360	1.503	1.476	1.544	1.456	4.73
82)	3,3'-Dichlorob...	0.351	0.388	0.453	0.407	0.482	0.479	0.526	0.441	13.87
83)	Chrysene	1.375	1.394	1.458	1.314	1.465	1.423	1.473	1.415	4.08
84)	Bis(2-ethylhex...	0.559	0.629	0.811	0.839	0.938	0.947	1.014	0.819	20.73
85) c	Di-n-octyl pht...	0.937	1.036	1.251	1.280	1.438	1.446	1.573	1.280	17.95

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.478	1.530	1.461	1.387	1.593	1.534	1.666	1.521	5.98	
88)	Benzo(b)fluora...	1.339	1.382	1.522	1.478	1.600	1.547	1.727	1.514	8.66	
89)	Benzo(k)fluora...	1.356	1.394	1.541	1.355	1.538	1.554	1.612	1.478	7.22	
90) C	Benzo(a)pyrene	1.184	1.244	1.358	1.263	1.413	1.393	1.514	1.339	8.52	
91)	Dibenzo(a,h)an...	1.283	1.319	1.260	1.199	1.368	1.321	1.430	1.312	5.70	
92)	Benzo(g,h,i)pe...	1.268	1.286	1.191	1.125	1.293	1.244	1.326	1.248	5.51	

(#) = Out of Range