

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM100221.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Oct 01 18:34:58 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM032307.D 10 =BM032308.D 20 =BM032309.D 40 =BM032310.D 50 =BM032311.D 60 =BM032312.D 80 =BM032313.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.627	0.552	0.514	0.477	0.467	0.465	0.435	0.505	12.99
3) Pyridine	1.603	1.479	1.382	1.321	1.281	1.280	1.223	1.367	9.73
4) n-Nitrosodimet...	0.630	0.591	0.564	0.534	0.515	0.516	0.487	0.548	9.11
5) S 2-Fluorophenol	1.418	1.296	1.229	1.149	1.101	1.097	1.018	1.187	11.53
6) Aniline	2.070	1.915	1.816	1.764	1.693	1.681	1.617	1.794	8.71
7) S Phenol-d6	1.928	1.782	1.671	1.586	1.512	1.487	1.397	1.623	11.35
8) 2-Chlorophenol	1.534	1.407	1.324	1.256	1.209	1.199	1.128	1.294	10.76
9) Benzaldehyde	1.156	1.066	0.968	0.854	0.833	0.807		0.947	14.88
10) C Phenol	1.847	1.698	1.594	1.522	1.461	1.446	1.372	1.563	10.52
11) bis(2-Chloroet...	1.475	1.352	1.280	1.203	1.150	1.146	1.094	1.243	10.85
12) 1,3-Dichlorobe...	1.766	1.591	1.500	1.407	1.343	1.339	1.262	1.458	11.97
13) C 1,4-Dichlorobe...	1.802	1.628	1.521	1.429	1.368	1.367	1.274	1.484	12.22
14) 1,2-Dichlorobe...	1.737	1.575	1.455	1.372	1.312	1.307	1.214	1.425	12.64
15) Benzyl Alcohol	1.253	1.171	1.114	1.106	1.068	1.051	1.019	1.112	7.13
16) 2,2'-oxybis(1-...	1.879	1.713	1.615	1.530	1.457	1.445	1.383	1.575	11.08
17) 2-Methylphenol	1.200	1.119	1.073	1.043	1.004	0.996	0.959	1.056	7.82
18) Hexachloroethane	0.564	0.533	0.508	0.501	0.482	0.484	0.464	0.505	6.73
19) P n-Nitroso-di-n...	1.022	0.950	0.905	0.883	0.840	0.809	0.769	0.883	9.75
20) 3+4-Methylphenols	1.637	1.537	1.445	1.426	1.352	1.322	1.255	1.425	9.18
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.566	0.519	0.498	0.464	0.452	0.455	0.419	0.482	10.25
23) S Nitrobenzene-d5	0.397	0.372	0.367	0.353	0.345	0.351	0.332	0.360	5.96
24) Nitrobenzene	0.387	0.359	0.353	0.338	0.331	0.337	0.323	0.347	6.21
25) Isophorone	0.634	0.604	0.595	0.598	0.586	0.591	0.575	0.598	3.07
26) C 2-Nitrophenol	0.153	0.149	0.158	0.165	0.166	0.172	0.167	0.161	5.08
27) 2,4-Dimethylph...	0.304	0.283	0.275	0.266	0.260	0.263	0.253	0.272	6.35
28) bis(2-Chloroet...	0.499	0.457	0.435	0.416	0.404	0.409	0.386	0.430	8.91
29) C 2,4-Dichloroph...	0.324	0.312	0.306	0.300	0.295	0.298	0.288	0.303	3.95
30) 1,2,4-Trichlor...	0.403	0.369	0.352	0.329	0.322	0.326	0.308	0.344	9.60
31) Naphthalene	1.220	1.111	1.044	0.980	0.957	0.967	0.905	1.026	10.53
32) Benzoic acid		0.141	0.161	0.202	0.206	0.209	0.216	0.189	16.09
33) 4-Chloroaniline	0.481	0.443	0.425	0.417	0.404	0.403	0.392	0.424	7.17
34) C Hexachlorobuta...	0.241	0.217	0.209	0.196	0.193	0.198	0.186	0.206	9.06
35) Caprolactam	0.090	0.087	0.087	0.099	0.097	0.094	0.097	0.093	5.54
36) C 4-Chloro-3-met...	0.355	0.337	0.323	0.326	0.318	0.316	0.310	0.326	4.68
37) 2-Methylnaphth...	0.826	0.750	0.709	0.676	0.652	0.653	0.617	0.697	10.19
38) 1-Methylnaphth...	0.809	0.738	0.690	0.661	0.636	0.633	0.604	0.682	10.43

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.685	0.619	0.599	0.547	0.533	0.550	0.500	0.576	10.81
41) P	Hexachlorocycl...	0.268	0.259	0.280	0.274	0.275	0.295	0.272	0.275	4.03
42) S	2,4,6-Tribromo...	0.251	0.238	0.224	0.224	0.217	0.214	0.199	0.224	7.49
43) C	2,4,6-Trichlor...	0.422	0.407	0.405	0.392	0.387	0.399	0.379	0.399	3.55
44)	2,4,5-Trichlor...	0.457	0.437	0.432	0.422	0.417	0.430	0.405	0.428	3.83
45) S	2-Fluorobiphenyl	1.633	1.485	1.383	1.225	1.170	1.175		1.345	14.00
46)	1,1'-Biphenyl	1.751	1.603	1.536	1.408	1.364	1.393	1.275	1.476	11.06
47)	2-Chloronaphth...	1.317	1.208	1.156	1.084	1.059	1.091	1.008	1.132	9.22
48)	2-Nitroaniline	0.286	0.289	0.299	0.322	0.317	0.323	0.318	0.308	5.18
49)	Acenaphthylene	1.965	1.861	1.791	1.718	1.675	1.706	1.584	1.757	7.20
50)	Dimethylphthalate	1.650	1.510	1.424	1.377	1.325	1.338	1.262	1.412	9.28
51)	2,6-Dinitrotol...	0.294	0.287	0.283	0.289	0.285	0.286	0.278	0.286	1.77
52) C	Acenaphthene	1.337	1.224	1.183	1.120	1.101	1.110	1.039	1.159	8.50
53)	3-Nitroaniline	0.317	0.312	0.314	0.331	0.329	0.326	0.321	0.321	2.30
54) P	2,4-Dinitrophenol		0.123	0.138	0.166	0.171	0.175	0.179	0.159	14.35
55)	Dibenzofuran	2.132	1.935	1.804	1.701	1.635	1.640	1.506	1.765	11.99
56) P	4-Nitrophenol	0.254	0.255	0.258	0.277	0.273	0.270	0.269	0.265	3.54
57)	2,4-Dinitrotol...	0.354	0.368	0.366	0.395	0.387	0.389	0.382	0.377	3.97
58)	Fluorene	1.649	1.491	1.347	1.225	1.184	1.157		1.342	14.50
59)	2,3,4,6-Tetrac...	0.405	0.386	0.368	0.370	0.359	0.355	0.341	0.369	5.73
60)	Diethylphthalate	1.597	1.486	1.375	1.356	1.319	1.316	1.256	1.387	8.42
61)	4-Chlorophenyl...	0.856	0.767	0.700	0.633	0.609	0.605		0.695	14.44
62)	4-Nitroaniline	0.309	0.312	0.308	0.336	0.332	0.322	0.326	0.321	3.54
63)	Azobenzene	1.455	1.389	1.333	1.319	1.270	1.273	1.201	1.320	6.35
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.093	0.097	0.108	0.120	0.121	0.125	0.124	0.113	11.90
66) c	n-Nitrosodiphe...	0.686	0.630	0.617	0.569	0.549	0.562	0.521	0.591	9.60
67)	4-Bromophenyl-...	0.239	0.219	0.214	0.201	0.194	0.203	0.187	0.208	8.29
68)	Hexachlorobenzene	0.270	0.246	0.235	0.220	0.211	0.219	0.203	0.229	10.09
69)	Atrazine	0.218	0.210	0.203	0.197	0.195	0.198	0.186	0.201	5.19
70) C	Pentachlorophenol	0.139	0.136	0.139	0.145	0.143	0.147	0.142	0.141	2.83
71)	Phenanthrene	1.279	1.167	1.089	1.001	0.967	0.966	0.879	1.050	13.09
72)	Anthracene	1.201	1.120	1.059	0.995	0.959	0.965	0.881	1.026	10.60
73)	Carbazole	1.206	1.116	1.042	0.997	0.953	0.942	0.875	1.019	11.09
74)	Di-n-butylphth...	1.177	1.121	1.094	1.124	1.076	1.070	0.997	1.094	5.12
75) C	Fluoranthene	1.425	1.316	1.173	1.138	1.089	1.044	0.963	1.164	13.70
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.523	0.459	0.501	0.499	0.512	0.519	0.465	0.497	5.12
78)	Pyrene	1.558	1.409	1.452	1.282	1.231	1.355	1.207	1.356	9.34
79) S	Terphenyl-d14		1.104	1.084	0.864	0.809	0.887		0.950	14.23
80)	Butylbenzylpht...	0.470	0.466	0.505	0.541	0.529	0.555	0.540	0.515	6.88
81)	Benzo(a)anthra...	1.487	1.351	1.293	1.201	1.160	1.176	1.083	1.250	10.94
82)	3,3'-Dichlorob...	0.429	0.414	0.403	0.398	0.382	0.381	0.350	0.394	6.52
83)	Chrysene	1.455	1.328	1.250	1.158	1.115	1.121	1.039	1.209	11.92
84)	Bis(2-ethylhex...	0.674	0.672	0.687	0.727	0.702	0.721	0.678	0.695	3.27
85) c	Di-n-octyl pht...	1.074	1.091	1.071	1.278	1.233	1.208	1.198	1.165	7.27

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86) I	Perylene-d12												
87)	Indeno(1,2,3-c...	1.371	1.317	1.283	1.189	1.154	1.236	1.077	1.232			8.17	
88)	Benzo(b)fluora...	1.420	1.318	1.250	1.179	1.130	1.140	1.079	1.217			9.86	
89)	Benzo(k)fluora...	1.376	1.274	1.253	1.115	1.096	1.164	1.041	1.189			9.91	
90) C	Benzo(a)pyrene	1.076	1.032	1.006	0.966	0.946	0.973	0.907	0.987			5.73	
91)	Dibenzo(a,h)an...	1.165	1.118	1.083	0.999	0.974	1.036	0.898	1.039			8.76	
92)	Benzo(g,h,i)pe...	1.133	1.079	1.054	0.989	0.961	1.051	0.924	1.027			7.08	

(#) = Out of Range