

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM020922.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Feb 09 17:52:36 2022
 Response Via : Initial Calibration

Calibration Files

5 =BM034024.D 10 =BM034025.D 20 =BM034026.D 40 =BM034027.D 50 =BM034029.D 60 =BM034030.D 80 =BM034028.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.619	0.545	0.526	0.464	0.463	0.445	0.435	0.499	13.36
3)	Pyridine	1.421	1.660	1.695	1.511	1.438	1.404	1.345	1.496	8.93
4)	n-Nitrosodimet...	0.638	0.591	0.535	0.500	0.485	0.511	0.517	0.540	10.21
5) S	2-Fluorophenol	1.319	1.315	1.336	1.225	1.206	1.142	1.105	1.235	7.41
6)	Aniline	1.746	1.724	1.784	1.718	1.658	1.661	1.638	1.704	3.13
7) S	Phenol-d6	1.502	1.493	1.565	1.531	1.491	1.500	1.458	1.506	2.25
8)	2-Chlorophenol	1.309	1.275	1.297	1.211	1.178	1.164	1.171	1.229	5.11
9)	Benzaldehyde	0.967	0.925	1.014	0.829	0.751	0.689		0.862	14.81
10) C	Phenol	1.555	1.521	1.607	1.591	1.559	1.558	1.475	1.552	2.82
11)	bis(2-Chloroet...	1.419	1.387	1.378	1.273	1.192	1.135	1.084	1.267	10.51
12)	1,3-Dichlorobe...	1.617	1.552	1.539	1.425	1.408	1.362	1.360	1.466	6.97
13) C	1,4-Dichlorobe...	1.531	1.472	1.470	1.392	1.368	1.338	1.336	1.415	5.38
14)	1,2-Dichlorobe...	1.565	1.484	1.497	1.388	1.342	1.332	1.361	1.424	6.35
15)	Benzyl Alcohol	1.171	1.163	1.208	1.158	1.113	1.137	1.169	1.160	2.54
16)	2,2'-oxybis(1-...	1.523	1.438	1.476	1.360	1.289	1.234	1.234	1.365	8.60
17)	2-Methylphenol	0.996	1.011	1.055	1.043	0.992	0.981	1.011	1.013	2.67
18)	Hexachloroethane	0.582	0.543	0.565	0.531	0.524	0.494	0.506	0.535	5.82
19) P	n-Nitroso-di-n...	0.995	0.980	1.059	1.009	0.933	0.929	0.896	0.972	5.75
20)	3+4-Methylphenols	1.468	1.382	1.500	1.399	1.348	1.337	1.346	1.397	4.56
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.512	0.498	0.505	0.489	0.495	0.497	0.506	0.500	1.56
23) S	Nitrobenzene-d5	0.429	0.421	0.424	0.421	0.429	0.426	0.430	0.426	0.90
24)	Nitrobenzene	0.409	0.404	0.392	0.359	0.364	0.363	0.371	0.380	5.46
25)	Isophorone	0.606	0.620	0.645	0.623	0.636	0.616	0.605	0.622	2.34
26) C	2-Nitrophenol	0.137	0.146	0.164	0.165	0.174	0.171	0.170	0.161	8.53
27)	2,4-Dimethylph...	0.289	0.279	0.289	0.278	0.280	0.281	0.277	0.282	1.78
28)	bis(2-Chloroet...	0.427	0.416	0.419	0.405	0.401	0.403	0.405	0.411	2.41
29) C	2,4-Dichloroph...	0.285	0.288	0.308	0.295	0.302	0.297	0.293	0.295	2.70
30)	1,2,4-Trichlor...	0.378	0.363	0.362	0.350	0.351	0.354	0.354	0.359	2.80
31)	Naphthalene	1.089	1.080	1.057	1.019	1.015	1.011	1.005	1.040	3.38
32)	Benzoic acid		0.122	0.165	0.200	0.200	0.217	0.224	0.188	20.40
33)	4-Chloroaniline	0.404	0.401	0.416	0.397	0.406	0.417	0.409	0.407	1.82
34) C	Hexachlorobuta...	0.244	0.236	0.231	0.217	0.226	0.225	0.221	0.228	3.98
35)	Caprolactam	0.066	0.070	0.084	0.083	0.092	0.094	0.088	0.082	12.94
36) C	4-Chloro-3-met...	0.302	0.297	0.312	0.318	0.335	0.352	0.338	0.322	6.20
37)	2-Methylnaphth...	0.682	0.668	0.671	0.648	0.645	0.670	0.659	0.663	2.02
38)	1-Methylnaphth...	0.698	0.694	0.685	0.645	0.655	0.650	0.607	0.662	4.93

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.724	0.675	0.689	0.662	0.663	0.610	0.644	0.667	5.35
41) P	Hexachlorocycl...	0.345	0.331	0.360	0.352	0.361	0.327	0.362	0.348	4.20
42) S	2,4,6-Tribromo...	0.201	0.201	0.222	0.226	0.232	0.238	0.228	0.221	6.68
43) C	2,4,6-Trichlor...	0.352	0.363	0.397	0.386	0.407	0.374	0.406	0.384	5.59
44)	2,4,5-Trichlor...	0.427	0.424	0.436	0.425	0.444	0.414	0.451	0.432	2.96
45) S	2-Fluorobiphenyl	1.637	1.534	1.626	1.526	1.543	1.390	1.407	1.523	6.30
46)	1,1'-Biphenyl	1.699	1.634	1.687	1.485	1.475	1.360	1.379	1.531	9.25
47)	2-Chloronaphth...	1.377	1.287	1.282	1.187	1.223	1.117	1.130	1.229	7.60
48)	2-Nitroaniline	0.285	0.307	0.335	0.344	0.363	0.345	0.373	0.336	9.13
49)	Acenaphthylene	1.738	1.683	1.746	1.657	1.699	1.599	1.646	1.681	3.09
50)	Dimethylphthalate	1.390	1.340	1.391	1.424	1.515	1.488	1.483	1.433	4.45
51)	2,6-Dinitrotol...	0.258	0.274	0.305	0.304	0.327	0.311	0.301	0.297	7.84
52) C	Acenaphthene	1.161	1.105	1.170	1.132	1.179	1.133	1.191	1.153	2.67
53)	3-Nitroaniline	0.266	0.295	0.323	0.303	0.308	0.288	0.297	0.297	5.96
54) P	2,4-Dinitrophenol	0.127	0.150	0.156	0.170	0.169	0.178	0.159		11.57
55)	Dibenzofuran	1.846	1.739	1.778	1.606	1.621	1.514	1.566	1.667	7.30
56) P	4-Nitrophenol	0.210	0.240	0.253	0.282	0.286	0.278	0.258		11.52
57)	2,4-Dinitrotol...	0.302	0.311	0.358	0.373	0.405	0.413	0.420	0.369	12.99
58)	Fluorene	1.652	1.542	1.537	1.411	1.477	1.359	1.292	1.467	8.36
59)	2,3,4,6-Tetrac...	0.333	0.351	0.366	0.349	0.365	0.348	0.351	0.352	3.17
60)	Diethylphthalate	1.599	1.551	1.685	1.544	1.590	1.452	1.322	1.535	7.61
61)	4-Chlorophenyl...	0.868	0.798	0.812	0.784	0.823	0.780	0.784	0.807	3.89
62)	4-Nitroaniline	0.237	0.259	0.297	0.314	0.347	0.356	0.338	0.307	14.71
63)	Azobenzene	1.498	1.422	1.503	1.377	1.414	1.402	1.472	1.441	3.43
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.095	0.109	0.114	0.123	0.132		0.115		12.13
66) c	n-Nitrosodiphe...	0.652	0.648	0.696	0.601	0.630	0.559	0.574	0.623	7.70
67)	4-Bromophenyl-...	0.213	0.200	0.209	0.203	0.212	0.209	0.226	0.210	4.03
68)	Hexachlorobenzene	0.270	0.259	0.269	0.254	0.262	0.261	0.265	0.263	2.18
69)	Atrazine	0.188	0.202	0.204	0.179	0.179	0.183	0.182	0.188	5.74
70) C	Pentachlorophenol	0.126	0.138	0.163	0.168	0.182	0.177	0.178	0.162	13.32
71)	Phenanthrene	1.196	1.236	1.234	1.118	1.159	1.081	1.081	1.158	5.76
72)	Anthracene	1.126	1.181	1.201	1.112	1.134	1.100	1.075	1.133	3.92
73)	Carbazole	1.121	1.164	1.227	1.147	1.180	1.135	1.074	1.150	4.17
74)	Di-n-butylphth...	1.061	1.207	1.329	1.221	1.300	1.352	1.203	1.239	8.01
75) C	Fluoranthene	1.098	1.217	1.195	1.089	1.155	1.143	1.122	1.145	4.17
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.330	0.337	0.374	0.406	0.289	0.389	0.375	0.357	11.25
78)	Pyrene	1.110	1.134	1.264	1.290	1.281	1.388	1.462	1.276	9.89
79) S	Terphenyl-d14	0.924	0.940	0.972	0.992	0.972	1.111	1.168	1.011	9.11
80)	Butylbenzylpht...	0.487	0.571	0.689	0.765	0.830	0.898	0.888	0.732	21.62
81)	Benzo(a)anthra...	1.176	1.165	1.251	1.323	1.450	1.657	1.637	1.380	14.95
82)	3,3'-Dichlorob...	0.319	0.321	0.375	0.419	0.418		0.371		13.32
83)	Chrysene	1.241	1.275	1.446	1.579	1.587	1.657	1.716	1.500	12.36
84)	Bis(2-ethylhex...	0.421	0.446	0.539	0.614	0.687	0.714	0.690	0.587	20.52
85) c	Di-n-octyl pht...	1.268	1.452	1.605	1.713	1.912	1.774	1.621		14.34

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.501	1.438	1.467	1.469	1.429	1.431	1.447	1.455	1.80	
88)	Benzo(b)fluora...	1.442	1.371	1.415	1.433	1.349	1.258	1.261	1.361	5.65	
89)	Benzo(k)fluora...	1.047	1.070	1.129	1.156	1.138	1.163	1.190	1.128	4.55	
90) C	Benzo(a)pyrene	1.006	0.986	1.060	1.062	1.056	1.043	1.081	1.042	3.24	
91)	Dibenzo(a,h)an...	1.230	1.181	1.207	1.209	1.177	1.178	1.185	1.195	1.70	
92)	Benzo(g,h,i)pe...	1.252	1.170	1.200	1.195	1.189	1.168	1.196	1.196	2.32	

(#) = Out of Range