

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM082919.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Aug 29 16:51:32 2019
 Response Via : Initial Calibration

Calibration Files

10 =BM022403.D 20 =BM022404.D 40 =BM022405.D 50 =BM022406.D 60 =BM022407.D 80 =BM022408.D 100 =BM022409.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.556	0.580	0.546	0.483	0.549	0.493	0.473	0.526	7.94
3)	Pyridine	1.112	1.251	1.318	1.235	1.290	1.332	1.315	1.265	6.02
4)	n-Nitrosodimet...	0.760	0.840	0.914	0.868	0.918	0.920	0.883	0.872	6.59
5) S	2-Fluorophenol	1.109	1.150	1.158	1.083	1.179	1.161	1.137	1.139	2.91
6)	Aniline	1.945	1.914	1.983	1.912	1.899	1.987	1.953	1.942	1.80
7) S	Phenol-d6	1.483	1.449	1.548	1.499	1.525	1.579	1.583	1.524	3.28
8)	2-Chlorophenol	1.303	1.280	1.334	1.256	1.330	1.337	1.341	1.311	2.51
9)	Benzaldehyde	1.163	1.127	0.994	0.887	0.793	0.731		0.949	18.56
10) C	Phenol	1.483	1.471	1.564	1.491	1.555	1.583	1.569	1.531	3.07
11)	bis(2-Chloroet...	1.198	1.155	1.198	1.092	1.119	1.166	1.158	1.155	3.38
12)	1,3-Dichlorobe...	1.598	1.592	1.630	1.510	1.614	1.594	1.600	1.591	2.39
13) C	1,4-Dichlorobe...	1.656	1.617	1.626	1.547	1.608	1.625	1.608	1.612	2.05
14)	1,2-Dichlorobe...	1.665	1.571	1.595	1.535	1.621	1.675	1.652	1.616	3.23
15)	Benzyl Alcohol	1.460	1.379	1.523	1.455	1.428	1.444	1.429	1.446	3.01
16)	2,2'-oxybis(1-...	1.616	1.490	1.535	1.424	1.433	1.494	1.486	1.497	4.34
17)	2-Methylphenol	1.130	1.064	1.152	1.078	1.074	1.152	1.143	1.113	3.55
18)	Hexachloroethane	0.797	0.736	0.777	0.710	0.749	0.736	0.727	0.748	4.02
19) P	n-Nitroso-di-n...	1.161	1.128	1.228	1.175	1.101	1.240	1.244	1.183	4.80
20)	3+4-Methylphenols	1.463	1.435	1.584	1.498	1.461	1.569	1.570	1.512	4.08
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.549	0.538	0.540	0.532	0.556	0.573	0.578	0.552	3.22
23) S	Nitrobenzene-d5	0.466	0.453	0.450	0.442	0.460	0.466	0.458	0.457	1.91
24)	Nitrobenzene	0.455	0.433	0.434	0.424	0.446	0.447	0.439	0.440	2.36
25)	Isophorone	0.754	0.708	0.716	0.704	0.688	0.727	0.722	0.717	2.87
26) C	2-Nitrophenol	0.158	0.162	0.173	0.179	0.184	0.189	0.187	0.176	6.96
27)	2,4-Dimethylph...	0.261	0.261	0.262	0.258	0.259	0.269	0.268	0.263	1.58
28)	bis(2-Chloroet...	0.432	0.418	0.409	0.401	0.397	0.423	0.423	0.415	3.05
29) C	2,4-Dichloroph...	0.333	0.335	0.339	0.335	0.341	0.361	0.362	0.344	3.62
30)	1,2,4-Trichlor...	0.435	0.429	0.427	0.419	0.441	0.456	0.456	0.438	3.25
31)	Naphthalene	1.112	1.033	1.024	0.995	1.023	1.050	1.045	1.040	3.50
32)	Benzoic acid	0.155	0.185	0.207	0.203	0.214	0.226	0.257	0.207	15.38
33)	4-Chloroaniline	0.451	0.430	0.454	0.441	0.436	0.462	0.459	0.448	2.67
34) C	Hexachlorobuta...	0.461	0.430	0.421	0.409	0.426	0.437	0.438	0.432	3.77
35)	Caprolactam	0.072	0.077	0.089	0.096	0.086	0.093	0.097	0.087	10.83
36) C	4-Chloro-3-met...	0.356	0.351	0.366	0.364	0.351	0.374	0.374	0.362	2.67
37)	2-Methylnaphth...	0.815	0.772	0.784	0.764	0.761	0.813	0.825	0.791	3.38
38)	1-Methylnaphth...	0.800	0.746	0.754	0.739	0.735	0.780	0.788	0.763	3.38

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM082919.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.943	0.923	0.927	0.897	0.977	0.977	1.001	0.949	3.90	
41) P	Hexachlorocycl...	0.134	0.197	0.294	0.305	0.377	0.389	0.412	0.301	34.45	
42) S	2,4,6-Tribromo...	0.347	0.318	0.373	0.417	0.416	0.457	0.536	0.409	17.85	
43) C	2,4,6-Trichlor...	0.470	0.477	0.507	0.498	0.532	0.540	0.560	0.512	6.51	
44)	2,4,5-Trichlor...	0.491	0.491	0.500	0.495	0.521	0.523	0.535	0.508	3.53	
45) S	2-Fluorobiphenyl	1.607	1.580	1.679	1.696	1.794	1.934	2.069	1.765	10.16	
46)	1,1'-Biphenyl	1.651	1.562	1.584	1.561	1.659	1.688	1.735	1.634	4.12	
47)	2-Chloronaphth...	1.296	1.237	1.266	1.248	1.334	1.342	1.360	1.298	3.76	
48)	2-Nitroaniline	0.391	0.389	0.421	0.426	0.431	0.428	0.440	0.418	4.74	
49)	Acenaphthylene	1.970	1.839	1.917	1.905	1.984	2.015	2.078	1.958	4.02	
50)	Dimethylphthalate	1.852	1.638	1.707	1.730	1.697	1.739	1.814	1.740	4.15	
51)	2,6-Dinitrotol...	0.359	0.332	0.333	0.334	0.344	0.340	0.350	0.342	2.95	
52) C	Acenaphthene	1.209	1.113	1.134	1.136	1.182	1.207	1.242	1.175	4.08	
53)	3-Nitroaniline	0.314	0.291	0.330	0.335	0.342	0.336	0.349	0.328	6.02	
54) P	2,4-Dinitrophenol	0.116	0.126	0.171	0.186	0.195	0.199	0.218	0.173	22.12	
55)	Dibenzofuran	2.017	1.840	1.919	1.927	1.980	2.035	2.135	1.979	4.82	
56) P	4-Nitrophenol	0.129	0.146	0.200	0.215	0.217	0.210	0.230	0.192	20.28	
57)	2,4-Dinitrotol...	0.476	0.428	0.482	0.505	0.502	0.507	0.538	0.491	7.00	
58)	Fluorene	1.667	1.493	1.664	1.732	1.791	1.900	2.128	1.768	11.45	
59)	2,3,4,6-Tetrac...	0.558	0.547	0.564	0.567	0.572	0.580	0.620	0.573	4.09	
60)	Diethylphthalate	1.950	1.667	1.786	1.832	1.776	1.798	1.909	1.817	5.12	
61)	4-Chlorophenyl...	1.110	1.047	1.152	1.203	1.213	1.312	1.471	1.216	11.54	
62)	4-Nitroaniline	0.262	0.256	0.309	0.334	0.335	0.314	0.341	0.307	11.38	
63)	Azobenzene	2.014	1.759	1.804	1.782	1.768	1.764	1.807	1.814	4.98	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.091	0.097	0.119	0.125	0.127	0.135	0.141	0.119	15.70	
66) c	n-Nitrosodiphe...	0.575	0.566	0.592	0.572	0.601	0.658	0.664	0.604	6.73	
67)	4-Bromophenyl-...	0.299	0.292	0.307	0.302	0.310	0.343	0.349	0.315	7.01	
68)	Hexachlorobenzene	0.330	0.328	0.341	0.338	0.357	0.389	0.412	0.356	9.03	
69)	Atrazine	0.270	0.247	0.256	0.261	0.253	0.254	0.258	0.257	2.74	
70) C	Pentachlorophenol	0.131	0.134	0.159	0.160	0.168	0.177	0.188	0.159	13.32	
71)	Phenanthrene	1.139	1.075	1.135	1.127	1.161	1.231	1.293	1.166	6.23	
72)	Anthracene	1.086	1.048	1.124	1.112	1.169	1.213	1.279	1.147	6.90	
73)	Carbazole	0.946	0.851	0.921	0.946	0.981	0.958	1.033	0.948	5.87	
74)	Di-n-butylphth...	1.296	1.127	1.231	1.318	1.286	1.307	1.434	1.286	7.23	
75) C	Fluoranthene	1.580	1.349	1.458	1.597	1.638	1.527	1.719	1.553	7.84	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.374	0.364	0.407	0.345	0.306	0.301	0.261	0.337	14.86	
78)	Pyrene	1.248	1.362	1.397	1.246	1.195	1.533	1.560	1.363	10.55	
79) S	Terphenyl-d14	1.202	1.275	1.453	1.467	1.378	1.802	2.031	1.515	19.59	
80)	Butylbenzylpht...	0.467	0.450	0.473	0.477	0.445	0.500	0.518	0.476	5.51	
81)	Benzo(a)anthra...	1.426	1.381	1.385	1.418	1.444	1.492	1.504	1.436	3.33	
82)	3,3'-Dichlorob...	0.454	0.442	0.450	0.449	0.468	0.436	0.419	0.445	3.42	
83)	Chrysene	1.360	1.345	1.320	1.323	1.376	1.404	1.436	1.366	3.11	
84)	Bis(2-ethylhex...	0.633	0.594	0.609	0.680	0.637	0.657	0.711	0.646	6.26	
85) c	Di-n-octyl pht...	1.050	0.972	0.975	1.070	1.124	1.041	1.028	1.037	5.13	
86)	Indeno(1,2,3-c...	1.145	1.408	1.360	1.034	1.800	1.556	1.318	1.374	18.48	

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
Method File : 8270-BM082919.M

87) I	Perylene-d12										
88)	Benzo(b)fluora...	1.306	1.269	1.315	1.451	1.415	1.461	1.509	1.389	6.63	
89)	Benzo(k)fluora...	1.369	1.289	1.341	1.371	1.389	1.370	1.518	1.378	5.07	
90) C	Benzo(a)pyrene	1.199	1.165	1.205	1.209	1.268	1.266	1.320	1.233	4.33	
91)	Dibenzo(a,h)an...	0.938	1.121	1.209	1.031	1.463	1.415	1.431	1.230	17.14	
92)	Benzo(g,h,i)pe...	0.893	1.078	1.105	0.899	1.201	1.186	1.141	1.072	11.91	

(#) = Out of Range