

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM041519.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Apr 15 16:16:29 2019
 Response Via : Initial Calibration

Calibration Files

10 =BM019909.D 20 =BM019910.D 40 =BM019911.D 50 =BM019912.D 60 =BM019913.D 80 =BM019914.D 100 =BM019915.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.557	0.528	0.528	0.536	0.522	0.526	0.531	0.533	2.15
3)	Pyridine	1.437	1.538	1.415	1.449	1.460	1.539	1.602	1.491	4.59
4)	n-Nitrosodimet...	0.386	0.432	0.492	0.491	0.519	0.511	0.531	0.480	10.96
5) S	2-Fluorophenol	1.168	1.166	1.232	1.246	1.246	1.271	1.310	1.234	4.24
6)	Aniline	2.222	2.271	2.403	2.454	2.461	2.460	2.521	2.399	4.61
7) S	Phenol-d6	1.640	1.725	1.852	1.895	1.915	1.955	2.018	1.857	7.12
8)	2-Chlorophenol	1.462	1.470	1.523	1.554	1.549	1.572	1.614	1.535	3.55
9)	Benzaldehyde	1.301	1.260	1.122	1.042	0.929	0.849		1.084	16.53
10) C	Phenol	1.827	1.885	2.017	2.069	2.075	2.132	2.198	2.029	6.50
11)	bis(2-Chloroet...	1.349	1.409	1.501	1.517	1.504	1.536	1.576	1.485	5.28
12)	1,3-Dichlorobe...	1.627	1.572	1.599	1.612	1.611	1.613	1.644	1.611	1.39
13) C	1,4-Dichlorobe...	1.640	1.602	1.623	1.628	1.630	1.650	1.671	1.635	1.33
14)	1,2-Dichlorobe...	1.607	1.562	1.614	1.621	1.624	1.644	1.676	1.621	2.14
15)	Benzyl Alcohol	1.475	1.563	1.698	1.760	1.748	1.776	1.800	1.688	7.25
16)	2,2'-oxybis(1-...	1.443	1.411	1.421	1.419	1.410	1.392	1.413	1.415	1.10
17)	2-Methylphenol	1.264	1.276	1.354	1.367	1.361	1.382	1.398	1.343	3.87
18)	Hexachloroethane	0.628	0.618	0.638	0.636	0.636	0.641	0.652	0.635	1.68
19) P	n-Nitroso-di-n...	1.547	1.591	1.642	1.669	1.638	1.655	1.685	1.633	2.94
20)	3+4-Methylphenols	1.652	1.727	1.851	1.906	1.897	1.918	1.963	1.845	6.13
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.517	0.526	0.542	0.548	0.552	0.558	0.569	0.545	3.30
23) S	Nitrobenzene-d5	0.424	0.431	0.448	0.448	0.457	0.458	0.465	0.447	3.31
24)	Nitrobenzene	0.449	0.449	0.465	0.462	0.471	0.470	0.476	0.463	2.27
25)	Isophorone	0.857	0.854	0.876	0.872	0.881	0.873	0.881	0.871	1.26
26) C	2-Nitrophenol	0.176	0.186	0.199	0.199	0.205	0.206	0.211	0.197	6.24
27)	2,4-Dimethylph...	0.266	0.270	0.280	0.279	0.284	0.284	0.290	0.279	3.01
28)	bis(2-Chloroet...	0.465	0.476	0.486	0.487	0.497	0.497	0.503	0.487	2.72
29) C	2,4-Dichloroph...	0.283	0.302	0.319	0.321	0.327	0.331	0.336	0.317	5.79
30)	1,2,4-Trichlor...	0.339	0.332	0.341	0.336	0.343	0.346	0.351	0.341	1.92
31)	Naphthalene	1.073	1.046	1.076	1.065	1.074	1.083	1.092	1.073	1.35
32)	Benzoic acid	0.172	0.216	0.253	0.257	0.274	0.275	0.280	0.247	16.06
33)	4-Chloroaniline	0.397	0.422	0.444	0.446	0.457	0.460	0.468	0.442	5.57
34) C	Hexachlorobuta...	0.205	0.196	0.200	0.198	0.202	0.203	0.205	0.201	1.75
35)	Caprolactam	0.113	0.117	0.120	0.121	0.123	0.123	0.124	0.120	3.40
36) C	4-Chloro-3-met...	0.375	0.379	0.395	0.395	0.400	0.405	0.408	0.394	3.20
37)	2-Methylnaphth...	0.774	0.765	0.775	0.772	0.788	0.790	0.803	0.781	1.68
38)	1-Methylnaphth...	0.778	0.755	0.768	0.757	0.773	0.780	0.788	0.771	1.59

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM041519.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.604	0.589	0.606	0.620	0.627	0.630	0.644	0.617	3.01	
41) P	Hexachlorocycl...	0.059	0.104	0.162	0.183	0.204	0.217	0.233	0.166	38.22	
42) S	2,4,6-Tribromo...	0.296	0.298	0.312	0.324	0.332	0.338	0.353	0.322	6.49	
43) C	2,4,6-Trichlor...	0.384	0.400	0.411	0.425	0.436	0.431	0.441	0.418	5.00	
44)	2,4,5-Trichlor...	0.388	0.405	0.433	0.446	0.456	0.457	0.462	0.435	6.55	
45) S	2-Fluorobiphenyl	1.557	1.531	1.578	1.615	1.637	1.639	1.677	1.605	3.21	
46)	1,1'-Biphenyl	1.731	1.680	1.699	1.727	1.754	1.759	1.777	1.732	1.98	
47)	2-Chloronaphth...	1.299	1.263	1.304	1.323	1.342	1.349	1.369	1.321	2.71	
48)	2-Nitroaniline	0.422	0.451	0.475	0.487	0.497	0.497	0.506	0.476	6.27	
49)	Acenaphthylene	2.212	2.217	2.260	2.312	2.352	2.356	2.384	2.299	3.04	
50)	Dimethylphthalate	1.773	1.724	1.734	1.763	1.791	1.781	1.782	1.764	1.44	
51)	2,6-Dinitrotol...	0.382	0.376	0.383	0.391	0.398	0.398	0.402	0.390	2.55	
52) C	Acenaphthene	1.265	1.235	1.246	1.273	1.294	1.290	1.320	1.275	2.29	
53)	3-Nitroaniline	0.339	0.366	0.386	0.398	0.408	0.412	0.417	0.390	7.27	
54) P	2,4-Dinitrophenol	0.112	0.160	0.199	0.212	0.226	0.231	0.241	0.197	23.40	
55)	Dibenzofuran	2.071	2.008	2.041	2.086	2.115	2.121	2.150	2.084	2.35	
56) P	4-Nitrophenol	0.172	0.234	0.274	0.289	0.301	0.306	0.315	0.270	18.86	
57)	2,4-Dinitrotol...	0.511	0.528	0.547	0.571	0.583	0.586	0.601	0.561	5.90	
58)	Fluorene	1.682	1.658	1.719	1.761	1.805	1.846	1.893	1.766	4.89	
59)	2,3,4,6-Tetrac...	0.377	0.381	0.388	0.404	0.404	0.408	0.418	0.397	3.83	
60)	Diethylphthalate	1.818	1.800	1.807	1.836	1.855	1.852	1.876	1.835	1.52	
61)	4-Chlorophenyl...	0.803	0.795	0.833	0.850	0.868	0.892	0.912	0.850	5.13	
62)	4-Nitroaniline	0.308	0.346	0.384	0.400	0.407	0.418	0.424	0.384	11.04	
63)	Azobenzene	1.899	1.916	1.944	1.968	2.001	1.996	2.003	1.961	2.17	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.098	0.112	0.128	0.134	0.137	0.140	0.144	0.128	13.03	
66) c	n-Nitrosodipe...	0.626	0.623	0.646	0.653	0.668	0.675	0.688	0.654	3.74	
67)	4-Bromophenyl-...	0.220	0.218	0.226	0.229	0.235	0.239	0.244	0.230	4.24	
68)	Hexachlorobenzene	0.266	0.261	0.272	0.276	0.279	0.285	0.293	0.276	3.99	
69)	Atrazine	0.228	0.224	0.229	0.227	0.225	0.216	0.204	0.222	3.95	
70) C	Pentachlorophenol	0.122	0.127	0.140	0.144	0.148	0.151	0.154	0.141	8.70	
71)	Phenanthrene	1.153	1.141	1.167	1.185	1.208	1.214	1.240	1.187	3.03	
72)	Anthracene	1.127	1.125	1.160	1.182	1.213	1.216	1.247	1.181	3.94	
73)	Carbazole	1.041	1.057	1.089	1.104	1.135	1.138	1.157	1.103	3.95	
74)	Di-n-butylphth...	1.365	1.383	1.433	1.451	1.493	1.503	1.512	1.449	4.03	
75) C	Fluoranthene	1.314	1.308	1.337	1.360	1.390	1.404	1.448	1.366	3.74	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.563	0.574	0.555	0.518	0.669	0.432	0.552		13.99	
78)	Pyrene	1.286	1.258	1.347	1.316	1.318	1.376	1.370	1.324	3.26	
79) S	Terphenyl-d14	1.047	1.045	1.139	1.143	1.144	1.215	1.204	1.134	5.93	
80)	Butylbenzylphth...	0.607	0.604	0.652	0.642	0.645	0.671	0.674	0.642	4.35	
81)	Benzo(a)anthra...	1.256	1.241	1.257	1.257	1.267	1.282	1.310	1.267	1.77	
82)	3,3'-Dichlorob...	0.488	0.492	0.483	0.476	0.477	0.450	0.433	0.471	4.62	
83)	Chrysene	1.213	1.189	1.207	1.206	1.217	1.229	1.244	1.215	1.44	
84)	Bis(2-ethylhex...	0.901	0.917	0.954	0.965	0.959	0.987	1.008	0.956	3.90	
85) c	Di-n-octyl pht...	1.506	1.539	1.539	1.547	1.579	1.548	1.601	1.551	1.98	
86)	Indeno(1,2,3-c...	1.298	1.280	1.184	1.153	1.163	1.152	1.136	1.195	5.51	

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
Method File : 8270-BM041519.M

87) I	Perylene-d12										
88)	Benzo(b)fluora...	1.287	1.236	1.294	1.369	1.348	1.362	1.399	1.328		4.30
89)	Benzo(k)fluora...	1.144	1.199	1.240	1.226	1.275	1.309	1.358	1.250		5.70
90) C	Benzo(a)pyrene	1.124	1.134	1.156	1.187	1.194	1.206	1.236	1.177		3.42
91)	Dibenzo(a,h)an...	1.098	1.087	1.115	1.119	1.123	1.197	1.203	1.135		4.09
92)	Benzo(g,h,i)pe...	1.043	1.009	1.017	0.999	0.997	1.069	1.060	1.028		2.88

(#) = Out of Range