

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF122116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Dec 21 16:17:51 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF091829.D 10 =BF091830.D 25 =BF091831.D 40 =BF091832.D 50 =BF091833.D 60 =BF091834.D 80 =BF091835.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.643	0.608	0.584	0.598	0.571	0.566	0.558	0.590	4.98
3)	Pyridine	2.160	2.111	1.853	2.126	2.046	2.100	2.011	2.058	5.02
4)	n-Nitrosodimet...	0.686	0.823	0.738	0.813	0.788	0.807	0.779	0.776	6.28
5) S	2-Fluorophenol	1.425	1.354	1.182	1.158	1.111	1.135	1.020	1.198	11.85
6)	Aniline	2.374	2.164	1.873	1.902	1.720	1.681	1.582	1.899	14.83
7) S	Phenol-d6	1.737	1.678	1.448	1.495	1.322	1.333	1.225	1.462	12.97
8)	2-Chlorophenol	1.569	1.545	1.352	1.394	1.304	1.280	1.094	1.362	11.96
9)	Benzaldehyde	1.094	1.101	0.950	0.847	0.739	0.692	0.904		19.35
10) C	Phenol	2.018	1.913	1.592	1.815	1.487	1.406	1.434	1.666	14.82
11)	bis(2-Chloroet...	1.416	1.406	1.317	1.433	1.324	1.262	1.123	1.326	8.23
12)	1,3-Dichlorobe...	1.670	1.556	1.455	1.540	1.404	1.363	1.194	1.455	10.61
13) C	1,4-Dichlorobe...	1.775	1.587	1.418	1.510	1.418	1.391	1.264	1.480	11.10
14)	1,2-Dichlorobe...		1.537	1.410	1.264	1.139	1.074	1.285		14.85
15)	Benzyl Alcohol	1.315	1.260	1.183	1.154	1.094	1.018	0.930	1.136	11.81
16)	2,2'-oxybis(1-...	2.319	2.180	1.897	1.992	1.864	1.819	1.751	1.975	10.41
17)	2-Methylphenol	1.248	1.202	1.137	1.099	1.004	1.013	0.966	1.096	9.75
18)	Hexachloroethane	0.577	0.584	0.553	0.579	0.542	0.524	0.482	0.549	6.72
19) P	n-Nitroso-di-n...	1.191	1.073	1.000	1.030	0.877	0.844	0.795	0.973	14.47
20)	3+4-Methylphenols		1.604	1.348	1.385	1.253	1.088	1.163	1.307	14.01
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.602	0.571	0.483	0.500	0.445	0.424	0.428	0.493	14.21
23) S	Nitrobenzene-d5	0.437	0.384	0.396	0.346	0.327	0.336	0.291	0.360	13.61
24)	Nitrobenzene	0.440	0.426	0.360	0.424	0.367	0.306	0.358	0.383	12.65
25)	Isophorone	0.778	0.735	0.652	0.663	0.604	0.608	0.604	0.664	10.42
26) C	2-Nitrophenol	0.211	0.212	0.189	0.185	0.167	0.179	0.178	0.189	8.92
27)	2,4-Dimethylph...	0.379	0.349	0.290	0.341	0.302	0.277	0.255	0.313	14.16
28)	bis(2-Chloroet...	0.487	0.454	0.382	0.414	0.381	0.373	0.326	0.402	13.41
29) C	2,4-Dichloroph...	0.312	0.289	0.283	0.273	0.240	0.224	0.235	0.265	12.30
30)	1,2,4-Trichlor...	0.336	0.316	0.304	0.306	0.279	0.259	0.236	0.291	11.95
31)	Naphthalene		1.051	0.960	1.007	0.910	0.846	0.718	0.915	13.17
32)	Benzoic acid	0.227	0.216	0.232	0.247	0.244	0.240	0.221	0.232	5.05
33)	4-Chloroaniline		0.495	0.423	0.423	0.390	0.382	0.363	0.413	11.36
34) C	Hexachlorobuta...		0.181	0.168	0.158	0.144	0.139	0.131	0.153	12.45
35)	Caprolactam	0.096	0.087	0.087	0.090	0.084	0.084	0.082	0.087	5.48
36) C	4-Chloro-3-met...	0.333	0.328	0.310	0.329	0.297	0.264	0.275	0.305	9.05
37)	2-Methylnaphth...	0.782	0.732	0.661	0.575	0.523	0.494	0.628		18.53

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38) I	Acenaphthene-d10	-----ISTD-----									
39)	1,2,4,5-Tetrac...	0.580	0.542	0.502	0.562	0.496	0.465	0.390	0.505	12.81	
40) P	Hexachlorocycl...		0.147	0.183	0.230	0.215	0.219		0.199	16.92	
41) S	2,4,6-Tribromo...	0.198	0.182	0.178	0.161	0.142	0.152	0.146	0.166	12.56	
42) C	2,4,6-Trichlor...	0.373	0.366	0.360	0.391	0.350	0.327	0.307	0.353	8.02	
43)	2,4,5-Trichlor...	0.431	0.395	0.357	0.379	0.354	0.325	0.305	0.364	11.70	
44) S	2-Fluorobiphenyl		1.336	1.135	1.010	0.909	0.964	0.897	1.042	16.10	
45)	1,1'-Biphenyl		1.547	1.431	1.553	1.386	1.196	1.103	1.369	13.48	
46)	2-Chloronaphth...	1.316	1.181	1.099	1.146	1.058	0.930	0.862	1.084	14.12	
47)	2-Nitroaniline	0.388	0.422	0.347	0.438	0.407	0.388	0.311	0.386	11.38	
48)	Acenaphthylene	2.053	1.831	1.780	1.687	1.487	1.381	1.456	1.668	14.43	
49)	Dimethylphthalate	1.488	1.444	1.197	1.347	1.186	1.167	1.126	1.279	11.37	
50)	2,6-Dinitrotol...	0.314	0.308	0.288	0.284	0.246	0.267	0.253	0.280	9.37	
51) C	Acenaphthene	1.360	1.217	1.218	1.127	1.021	0.983	0.989	1.131	12.61	
52)	3-Nitroaniline	0.364	0.387	0.321	0.397	0.336	0.296	0.325	0.346	10.78	
53) P	2,4-Dinitrophenol		0.121	0.149	0.179	0.161	0.156	0.168	0.156	12.82	
54)	Dibenzofuran	1.807	1.649	1.528	1.418	1.233			1.527	14.33	
55) P	4-Nitrophenol	0.255	0.253	0.230	0.259	0.222	0.222	0.206	0.235	8.73	
56)	2,4-Dinitrotol...	0.414	0.387	0.386	0.345	0.324	0.343	0.261	0.351	14.40	
57)	Fluorene		1.285	1.208	1.164	1.006	0.891		1.111	14.36	
58)	2,3,4,6-Tetrac...	0.330	0.318	0.277	0.313	0.287	0.265	0.224	0.288	12.74	
59)	Diethylphthalate	1.394	1.400	1.189	1.360	1.233	1.123	0.997	1.242	12.26	
60)	4-Chlorophenyl...		0.618	0.510	0.488	0.436	0.442	0.424	0.486	14.92	
61)	4-Nitroaniline	0.376	0.395	0.370	0.405	0.362	0.311	0.295	0.359	11.53	
62)	Azobenzene	1.574	1.560	1.382	1.360	1.228	1.242	1.229	1.368	10.94	
63) I	Phenanthrene-d10	-----ISTD-----									
64)	4,6-Dinitro-2-...	0.086	0.132	0.129	0.130	0.119	0.139	0.112	0.121	14.82	
65) c	n-Nitrosodiphe...		0.691	0.654	0.591	0.550	0.528	0.547	0.593	11.05	
66)	4-Bromophenyl-...	0.243	0.234	0.233	0.207	0.186	0.177	0.177	0.208	13.78	
67)	Hexachlorobenzene	0.268	0.244	0.239	0.228	0.213	0.191	0.174	0.222	14.52	
68)	Atrazine		0.221	0.204	0.191	0.173	0.167		0.191	11.62	
69) C	Pentachlorophenol		0.098	0.116	0.123	0.112	0.106	0.100	0.109	8.88	
70)	Phenanthrene		1.227	1.103	1.129	1.024	0.939		1.084	10.05	
71)	Anthracene	1.333	1.254	1.186	0.978	0.893	0.873		1.086	18.15	
72)	Carbazole	1.244	1.139	1.120	0.920	0.838	0.768		1.005	18.86	
73)	Di-n-butylphth...	1.524	1.421	1.231	1.092	0.988	0.963	0.996	1.174	19.18	
74) C	Fluoranthene	1.405	1.316	1.118	0.972	0.908	0.947	0.908	1.082	18.93	
75) I	Chrysene-d12	-----ISTD-----									
76)	Benzidine	0.803	0.741	0.592	0.551	0.491	0.441	0.438	0.580	24.82	
77)	Pyrene	1.649	1.562	1.414	1.365	1.295	1.377	1.610	1.467	9.36	
78) S	Terphenyl-d14	0.994	0.935	0.759	0.751	0.731	0.806	0.795	0.825	12.20	
79)	Butylbenzylphth...	0.674	0.672	0.645	0.716	0.650	0.665	0.650	0.667	3.63	
80)	Benzo(a)anthra...	1.319	1.264	1.061	1.117	1.047	1.023	1.072	1.129	10.25	
81)	3,3'-Dichlorob...	0.497	0.493	0.445	0.402	0.368	0.377	0.414	0.428	12.15	
82)	Chrysene	1.316	1.280	1.078	1.025	1.016	1.126	1.086	1.132	10.55	

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83)	Bis(2-ethylhex...	0.888	0.855	0.766	0.780	0.724	0.733	0.756	0.786	7.89
84) c	Di-n-octyl pht...	1.626	1.552	1.371	1.440	1.328	1.386	1.488	1.456	7.29
85)	Indeno(1,2,3-c...	1.126	1.067	0.875	0.955	0.899	0.929	1.016	0.981	9.39
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.356	1.244	1.473	1.327	1.202	1.091	1.023	1.245	12.54
88)	Benzo(k)fluora...	1.305	1.227	0.922	1.029	0.976	1.014	0.960	1.062	13.69
89) C	Benzo(a)pyrene	1.261	1.197	1.119	1.126	1.044	1.015	0.975	1.105	9.21
90)	Dibenzo(a,h)an...	1.049	0.972	0.897	0.928	0.865	0.833	0.815	0.908	9.05
91)	Benzo(g,h,i)pe...	1.085	0.975	0.898	0.963	0.907	0.894	0.889	0.945	7.52

(#) = Out of Range