

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
 Method File : 8270-BF092218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Sep 22 13:32:18 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF109208.D 10 =BF109209.D 25 =BF109210.D 40 =BF109211.D 50 =BF109212.D 60 =BF109213.D 80 =BF109214.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.560	0.584	0.558	0.555	0.566	0.555	0.538	0.559	2.49
3)	Pyridine	1.291	1.294	1.521	1.511	1.532	1.471	1.454	1.439	7.23
4)	n-Nitrosodimet...	0.579	0.595	0.612	0.619	0.625	0.633	0.624	0.613	3.14
5) S	2-Fluorophenol	1.316	1.300	1.236	1.184	1.181	1.170	1.113	1.214	6.08
6)	Aniline	2.175	2.123	2.044	1.955	1.919	1.886	1.775	1.982	7.07
7) S	Phenol-d6	1.736	1.647	1.566	1.507	1.505	1.476	1.407	1.549	7.17
8)	2-Chlorophenol	1.510	1.447	1.376	1.321	1.300	1.285	1.213	1.350	7.53
9)	Benzaldehyde	1.186	1.066	0.959	0.909	0.858		0.995		13.20
10) C	Phenol	1.976	1.889	1.775	1.703	1.674	1.671	1.595	1.755	7.69
11)	bis(2-Chloroet...	1.561	1.459	1.375	1.327	1.323	1.315	1.252	1.373	7.60
12)	1,3-Dichlorobe...	1.754	1.661	1.565	1.521	1.498	1.475	1.408	1.555	7.57
13) C	1,4-Dichlorobe...	1.796	1.659	1.588	1.526	1.495	1.484	1.417	1.566	8.15
14)	1,2-Dichlorobe...	1.665	1.582	1.474	1.411	1.378	1.349	1.255	1.445	9.73
15)	Benzyl Alcohol	1.229	1.237	1.242	1.174	1.181	1.152	1.085	1.186	4.75
16)	2,2'-oxybis(1-...	2.183	2.065	1.953	1.887	1.893	1.866	1.785	1.948	6.93
17)	2-Methylphenol	1.209	1.158	1.109	1.054	1.054	1.055	1.009	1.093	6.41
18)	Hexachloroethane	0.596	0.571	0.553	0.541	0.547	0.540	0.515	0.552	4.65
19) P	n-Nitroso-di-n...	1.128	1.080	1.005	0.976	0.983	0.983	0.952	1.015	6.32
20)	3+4-Methylphenols	1.500	1.487	1.353	1.263	1.254	1.226	1.152	1.319	10.07
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.543	0.503	0.467	0.450	0.433	0.425	0.416	0.462	9.96
23) S	Nitrobenzene-d5	0.315	0.333	0.350	0.350	0.343	0.343	0.337	0.339	3.61
24)	Nitrobenzene	0.356	0.366	0.371	0.364	0.357	0.359	0.347	0.360	2.16
25)	Isophorone	0.663	0.623	0.607	0.607	0.590	0.597	0.584	0.610	4.36
26) C	2-Nitrophenol	0.107	0.137	0.149	0.151	0.157	0.154	0.142		13.24
27)	2,4-Dimethylph...	0.283	0.274	0.271	0.269	0.259	0.258	0.247	0.266	4.47
28)	bis(2-Chloroet...	0.448	0.427	0.408	0.397	0.389	0.386	0.372	0.404	6.52
29) C	2,4-Dichloroph...	0.286	0.289	0.286	0.284	0.274	0.274	0.263	0.279	3.37
30)	1,2,4-Trichlor...	0.359	0.329	0.317	0.308	0.300	0.294	0.279	0.312	8.35
31)	Naphthalene	1.100	0.996	0.949	0.926	0.881	0.868	0.822	0.935	9.90
32)	Benzoic acid	0.104	0.146	0.170	0.174	0.190	0.195	0.163		20.69
33)	4-Chloroaniline	0.472	0.434	0.419	0.402	0.390	0.384	0.356	0.408	9.22
34) C	Hexachlorobuta...	0.207	0.202	0.192	0.187	0.180	0.178	0.170	0.188	7.00
35)	Caprolactam	0.083	0.090	0.089	0.091	0.090	0.091	0.089	0.089	3.39
36) C	4-Chloro-3-met...	0.295	0.309	0.302	0.297	0.291	0.286	0.278	0.294	3.53
37)	2-Methylnaphth...	0.697	0.651	0.617	0.591	0.570	0.557	0.534	0.602	9.45

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38) I	Acenaphthene-d10	-----ISTD-----									
39)	1,2,4,5-Tetrac...	0.724	0.707	0.659	0.631	0.604	0.581	0.549	0.637	10.14	
40) P	Hexachlorocycl...		0.233	0.272	0.289	0.294	0.292	0.287	0.278	8.42	
41) S	2,4,6-Tribromo...	0.192	0.205	0.205	0.201	0.197	0.194	0.185	0.197	3.60	
42) C	2,4,6-Trichlor...	0.409	0.409	0.423	0.420	0.406	0.402	0.391	0.409	2.65	
43)	2,4,5-Trichlor...	0.414	0.454	0.454	0.446	0.424	0.420	0.407	0.431	4.54	
44) S	2-Fluorobiphenyl		1.590	1.444	1.319	1.263	1.219	1.121	1.326	12.65	
45)	1,1'-Biphenyl	1.895	1.788	1.702	1.618	1.526	1.499	1.378	1.630	10.97	
46)	2-Chloronaphth...	1.503	1.434	1.342	1.272	1.228	1.199	1.134	1.302	10.15	
47)	2-Nitroaniline		0.320	0.372	0.383	0.380	0.386	0.374	0.369	6.66	
48)	Acenaphthylene	2.244	2.150	2.027	1.948	1.856	1.827	1.696	1.964	9.74	
49)	Dimethylphthalate	1.649	1.577	1.484	1.429	1.373	1.364	1.306	1.455	8.49	
50)	2,6-Dinitrotol...	0.231	0.276	0.304	0.310	0.299	0.302	0.293	0.288	9.45	
51) C	Acenaphthene	1.336	1.283	1.225	1.175	1.142	1.133	1.018	1.187	8.87	
52)	3-Nitroaniline	0.254	0.334	0.357	0.355	0.352	0.348	0.336	0.334	10.90	
53) P	2,4-Dinitrophenol		0.042	0.069	0.087	0.092	0.099	0.104	0.082	27.89	
54)	Dibenzofuran	2.110	1.952	1.823	1.723	1.638	1.612	1.502	1.766	11.95	
55) P	4-Nitrophenol		0.218	0.256	0.257	0.260	0.264	0.254	0.251	6.64	
56)	2,4-Dinitrotol...		0.311	0.365	0.380	0.380	0.383	0.367	0.365	7.48	
57)	Fluorene	1.549	1.427	1.296	1.208	1.162	1.125	1.053	1.260	13.97	
58)	2,3,4,6-Tetrac...	0.317	0.347	0.357	0.350	0.346	0.343	0.331	0.342	3.97	
59)	Diethylphthalate	1.668	1.571	1.499	1.466	1.410	1.386	1.311	1.473	8.13	
60)	4-Chlorophenyl...	0.813	0.756	0.680	0.627	0.597	0.589	0.543	0.658	14.77	
61)	4-Nitroaniline	0.251	0.316	0.341	0.344	0.348	0.348	0.330	0.325	10.71	
62)	Azobenzene	1.785	1.662	1.547	1.511	1.428	1.437	1.343	1.530	9.86	
63) I	Phenanthrene-d10	-----ISTD-----									
64)	4,6-Dinitro-2-...		0.045	0.065	0.075	0.080	0.084	0.085	0.072	21.37	
65) c	n-Nitrosodiphe...	0.757	0.718	0.668	0.647	0.627	0.616	0.592	0.661	8.87	
66)	4-Bromophenyl-...	0.260	0.236	0.226	0.218	0.210	0.206	0.199	0.222	9.29	
67)	Hexachlorobenzene	0.275	0.256	0.236	0.229	0.223	0.220	0.213	0.236	9.36	
68)	Atrazine	0.229	0.217	0.208	0.202	0.195	0.193	0.178	0.203	8.32	
69) C	Pentachlorophenol		0.118	0.139	0.146	0.148	0.149	0.147	0.141	8.43	
70)	Phenanthrene	1.187	1.092	1.012	0.970	0.945	0.916	0.869	0.999	10.95	
71)	Anthracene	1.209	1.113	1.029	0.994	0.943	0.935	0.866	1.013	11.51	
72)	Carbazole	1.188	1.102	1.027	0.980	0.949	0.932	0.876	1.008	10.65	
73)	Di-n-butylphth...	1.318	1.289	1.188	1.148	1.087	1.087	1.003	1.160	9.81	
74) C	Fluoranthene	1.267	1.187	1.086	1.041	1.007	0.977	0.905	1.067	11.68	
75) I	Chrysene-d12	-----ISTD-----									
76)	Benzidine	0.753	0.787	0.754	0.752	0.737	0.693	0.573	0.721	9.88	
77)	Pvrene	1.451	1.396	1.402	1.446	1.414	1.441	1.483	1.433	2.16	
78) S	Terphenyl-d14	0.890	0.837	0.799	0.802	0.780	0.797	0.800	0.815	4.57	
79)	Butylbenzylphth...	0.497	0.564	0.602	0.631	0.644	0.660	0.672	0.610	10.12	
80)	Benzo(a)anthra...	1.333	1.235	1.198	1.206	1.166	1.166	1.130	1.205	5.47	
81)	3,3'-Dichlorob...	0.447	0.470	0.481	0.479	0.456	0.454	0.418	0.458	4.76	
82)	Chrysene	1.243	1.209	1.181	1.206	1.169	1.191	1.160	1.194	2.38	

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83)	Bis(2-ethylhex...	0.734	0.748	0.776	0.790	0.789	0.785	0.761	0.769	2.85
84) c	Di-n-octyl pht...	1.173	1.241	1.346	1.391	1.371	1.390	1.292	1.315	6.33
85)	Indeno(1,2,3-c...	1.130	1.000	0.971	0.925	0.871	0.915	0.964	0.968	8.57
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.098	1.147	1.155	1.101	1.066	1.043	1.084	1.099	3.69
88)	Benzo(k)fluora...	1.189	1.068	0.984	1.027	1.051	1.052	0.928	1.043	7.73
89) C	Benzo(a)pyrene	1.050	1.032	0.993	0.982	0.971	0.962	0.942	0.990	3.88
90)	Dibenzo(a,h)an...	0.924	0.841	0.794	0.769	0.745	0.771	0.842	0.812	7.55
91)	Benzo(g,h,i)pe...	0.887	0.807	0.756	0.738	0.738	0.773	0.890	0.798	8.24

(#) = Out of Range