

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
 Method File : 8270-BF012519.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jan 28 04:20:19 2019
 Response Via : Initial Calibration

Calibration Files

2.5 =BF112228.D 10 =BF112229.D 25 =BF112230.D 40 =BF112231.D 50 =BF112232.D 60 =BF112233.D 80 =BF112234.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.401	0.355	0.371	0.358	0.339	0.361	0.441	0.375	9.25
3)	Pyridine	0.972	0.861	0.847	0.909	0.890	0.967	1.232	0.954	13.79
4)	n-Nitrosodimet...	0.334	0.370	0.365	0.402	0.380	0.419	0.535	0.401	16.29
5) S	2-Fluorophenol	0.905	0.903	0.906	1.024	0.821	0.993	1.039	0.942	8.40
6)	Aniline	1.408	1.561	1.722	1.608	1.557	1.529	1.511	1.556	6.15
7) S	Phenol-d6	1.192	1.325	1.430	1.339	1.291	1.286	1.296	1.308	5.45
8)	2-Chlorophenol	1.234	1.314	1.347	1.270	1.259	1.226	1.217	1.267	3.80
9)	Benzaldehyde	0.810	0.777	0.837	0.692	0.583	0.573	0.516	0.684	18.78
10) C	Phenol	1.259	1.463	1.567	1.473	1.411	1.431	1.443	1.435	6.44
11)	bis(2-Chloroet...	0.993	1.147	1.198	1.142	1.154	1.132	1.145	1.130	5.67
12)	1,3-Dichlorobe...	1.560	1.577	1.531	1.436	1.425	1.405	1.393	1.475	5.27
13) C	1,4-Dichlorobe...	1.723	1.617	1.552	1.450	1.460	1.428	1.398	1.518	7.77
14)	1,2-Dichlorobe...	1.631	1.566	1.464	1.355	1.338	1.288	1.308	1.421	9.47
15)	Benzyl Alcohol	1.220	1.163	1.134	1.069	1.064	1.026	1.044	1.103	6.45
16)	2,2'-oxybis(1-...	1.690	1.565	1.508	1.414	1.409	1.255	1.317	1.451	10.24
17)	2-Methylphenol	1.191	1.063	1.040	0.964	0.956	0.878	0.937	1.004	10.26
18)	Hexachloroethane	0.612	0.569	0.552	0.519	0.520	0.438	0.522	0.533	10.12
19) P	n-Nitroso-di-n...	1.034	0.993	0.930	0.867	0.867	0.758	0.865	0.902	10.19
20)	3+4-Methylphenols	1.544	1.417	1.354	1.228	1.224	1.049	1.172	1.284	12.91
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.502	0.505	0.487	0.521	0.464	0.453	0.478	0.487	4.96
23) S	Nitrobenzene-d5	0.350	0.350	0.347	0.374	0.336	0.323	0.349	0.347	4.47
24)	Nitrobenzene	0.353	0.350	0.344	0.379	0.334	0.321	0.345	0.347	5.19
25)	Isophorone	0.561	0.564	0.553	0.572	0.543	0.467	0.552	0.545	6.50
26) C	2-Nitrophenol	0.169	0.185	0.191	0.195	0.189	0.178	0.189	0.185	4.81
27)	2,4-Dimethylph...	0.265	0.263	0.260	0.258	0.253	0.235	0.252	0.255	3.94
28)	bis(2-Chloroet...	0.388	0.386	0.382	0.372	0.368	0.331	0.369	0.371	5.19
29) C	2,4-Dichloroph...	0.285	0.297	0.296	0.288	0.284	0.267	0.283	0.286	3.53
30)	1,2,4-Trichlor...	0.352	0.339	0.334	0.323	0.323	0.308	0.319	0.328	4.45
31)	Naphthalene	1.004	0.987	0.957	0.905	0.902	0.902	0.890	0.935	5.00
32)	Benzoic acid		0.107	0.129	0.151	0.165	0.152	0.169	0.146	16.04
33)	4-Chloroaniline	0.430	0.431	0.418	0.395	0.389	0.399	0.388	0.407	4.60
34) C	Hexachlorobuta...	0.195	0.198	0.194	0.187	0.188	0.196	0.190	0.193	2.16
35)	Caprolactam	0.106	0.105	0.100	0.097	0.095	0.106	0.096	0.101	4.69
36) C	4-Chloro-3-met...	0.315	0.305	0.300	0.294	0.291	0.316	0.296	0.302	3.29
37)	2-Methylnaphth...	0.682	0.677	0.623	0.620	0.610	0.658	0.613	0.640	4.85

Method	Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\									
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38)	1-Methylnaphth...	0.672	0.643	0.596	0.590	0.584	0.628	0.583	0.614	5.65
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.685	0.674	0.718	0.615	0.647	0.626	0.632	0.657	5.66
41) P	Hexachlorocycl...		0.089	0.174	0.190	0.224	0.235	0.258	0.195	30.76
42) S	2,4,6-Tribromo...	0.241	0.260	0.207	0.204	0.242	0.237	0.239	0.233	8.61
43) C	2,4,6-Trichlor...	0.389	0.401	0.436	0.385	0.413	0.403	0.405	0.405	4.16
44)	2,4,5-Trichlor...	0.404	0.414	0.452	0.409	0.437	0.424	0.421	0.423	3.97
45) S	2-Fluorobiphenyl	1.630	1.560	1.537	1.281	1.308	1.253	1.331	1.414	11.00
46)	1,1'-Biphenyl	1.900	1.863	1.870	1.618	1.682	1.637	1.669	1.748	7.04
47)	2-Chloronaphth...	1.446	1.406	1.468	1.263	1.319	1.285	1.305	1.356	6.09
48)	2-Nitroaniline	0.354	0.375	0.393	0.353	0.369	0.366	0.377	0.370	3.73
49)	Acenaphthylene	2.119	2.113	2.148	1.864	1.927	1.860	1.880	1.987	6.67
50)	Dimethylphthalate	1.680	1.619	1.613	1.424	1.518	1.504	1.520	1.554	5.59
51)	2,6-Dinitrotol...	0.352	0.360	0.374	0.323	0.347	0.342	0.338	0.348	4.70
52) C	Acenaphthene	1.319	1.267	1.185	1.121	1.151	1.126	1.142	1.187	6.46
53)	3-Nitroaniline	0.383	0.399	0.386	0.354	0.370	0.377	0.371	0.377	3.77
54) P	2,4-Dinitrophenol		0.081	0.099	0.107	0.120	0.130	0.134	0.112	18.11
55)	Dibenzofuran	2.042	1.978	1.848	1.709	1.720	1.694	1.709	1.814	7.97
56) P	4-Nitrophenol		0.170	0.185	0.197	0.210	0.218	0.216	0.199	9.49
57)	2,4-Dinitrotol...	0.428	0.476	0.443	0.422	0.448	0.444	0.441	0.443	3.87
58)	Fluorene	1.559	1.504	1.352	1.188	1.321	1.273	1.307	1.358	9.61
59)	2,3,4,6-Tetrac...	0.314	0.316	0.298	0.320	0.344	0.325	0.320	0.320	4.28
60)	Diethylphthalate	1.703	1.647	1.517	1.441	1.497	1.478	1.511	1.542	6.19
61)	4-Chlorophenyl...	0.833	0.805	0.746	0.683	0.718	0.682	0.702	0.738	8.11
62)	4-Nitroaniline	0.379	0.399	0.360	0.343	0.370	0.373	0.365	0.370	4.66
63)	Azobenzene	1.485	1.438	1.212	1.309	1.344	1.327	1.379	1.356	6.59
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.092	0.114	0.110	0.117	0.118	0.122	0.112	9.36
66) c	n-Nitrosodiphe...	0.734	0.714	0.692	0.638	0.640	0.642	0.658	0.674	5.82
67)	4-Bromophenyl-...	0.251	0.247	0.240	0.225	0.224	0.226	0.233	0.235	4.79
68)	Hexachlorobenzene	0.271	0.261	0.258	0.237	0.247	0.242	0.250	0.252	4.61
69)	Atrazine	0.257	0.246	0.233	0.208	0.206	0.193	0.179	0.217	13.13
70) C	Pentachlorophenol		0.070	0.093	0.092	0.109	0.110	0.116	0.098	17.24
71)	Phenanthrene	1.181	1.112	1.081	0.995	0.968	0.959	0.983	1.040	8.21
72)	Anthracene	1.181	1.129	1.099	0.898	0.974	0.975	0.993	1.036	9.81
73)	Carbazole	1.144	1.104	1.083	0.976	0.925	0.962	0.957	1.022	8.43
74)	Di-n-butylphth...	1.373	1.292	1.563	1.196	1.106	1.153	1.194	1.268	12.42
75) C	Fluoranthene	1.222	1.194	1.467	1.143	0.897	0.893	0.991	1.115	18.48
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.737	0.556	0.565	0.546	0.462	0.438	0.550	19.16
78)	Pyrene	1.430	1.416	1.396	1.276	1.377	1.373	1.425	1.385	3.83
79) S	Terphenyl-d14	1.203	1.116	1.062	0.942	1.039	1.010	1.061	1.062	7.72
80)	Butylbenzylphth...	0.680	0.641	0.667	0.621	0.685	0.699	0.696	0.670	4.31
81)	Benzo(a)anthra...	1.268	1.198	1.186	1.114	1.184	1.145	1.135	1.176	4.34
82)	3,3'-Dichlorob...	0.504	0.506	0.467	0.416	0.417	0.405	0.366	0.440	12.08

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\

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83)	Chrysene	1.212	1.169	1.140	1.029	1.106	1.132	1.069	1.122	5.43
84)	Bis(2-ethylhex...	0.977	0.947	0.936	0.887	0.971	0.973	0.966	0.951	3.36
85) c	Di-n-octyl pht...	1.527	1.427	1.440	1.368	1.472	1.608	1.400	1.463	5.58
86)	Indeno(1,2,3-c...	0.854	0.970	0.839	0.717	1.009	1.019	0.816	0.889	12.71
87) I	Perylene-d12	-----ISTD-----								
88)	Benzo(b)fluora...	1.191	1.197	1.158	1.172	1.165	1.233	1.258	1.196	3.09
89)	Benzo(k)fluora...	1.196	1.194	1.226	1.086	1.162	1.053	1.103	1.146	5.71
90) C	Benzo(a)pyrene	1.128	1.114	1.083	1.026	1.071	1.051	1.059	1.076	3.33
91)	Dibenzo(a,h)an...	0.815	1.056	0.847	0.747	0.837	0.836	0.934	0.867	11.49
92)	Benzo(g,h,i)pe...	0.726	1.050	0.789	0.646	0.794	0.807	0.916	0.818	16.02

(#) = Out of Range