

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF011822.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jan 19 07:04:14 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF126595.D 10 =BF126596.D 20 =BF126597.D 40 =BF126598.D 50 =BF126599.D 60 =BF126600.D 80 =BF126601.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.897	0.828	0.779	0.694	0.715	0.680	0.651	0.749	11.91
3)	Pyridine	2.545	2.336	2.198	1.940	1.971	1.895	1.805	2.098	12.83
4)	n-Nitrosodimet...	0.938	0.815	0.756	0.681	0.696	0.669	0.642	0.742	14.02
5) S	2-Fluorophenol	1.951	1.758	1.588	1.378	1.393	1.319	1.252	1.520	16.91
6)	Aniline	3.229	2.925	2.771	2.425	2.469	2.390	2.314	2.646	12.81
7) S	Phenol-d6	2.705	2.447	2.234	1.924	1.934	1.825	1.713	2.112	17.16
8)	2-Chlorophenol	1.797	1.620	1.473	1.266	1.274	1.203	1.125	1.394	17.57
9)	Benzaldehyde	2.104	1.907	1.651	1.282	1.276			1.644	22.51
10) C	Phenol	2.792	2.634	2.361	2.053	2.083	1.954	1.846	2.246	15.96
11)	bis(2-Chloroet...	2.310	2.059	1.923	1.663	1.686	1.605	1.511	1.823	15.71
12)	1,3-Dichlorobe...	1.935	1.768	1.637	1.415	1.434	1.361	1.282	1.548	15.43
13) C	1,4-Dichlorobe...	1.975	1.789	1.643	1.427	1.444	1.368	1.293	1.563	15.92
14)	1,2-Dichlorobe...	1.883	1.734	1.586	1.339	1.330	1.262	1.180	1.473	17.91
15)	Benzyl Alcohol	2.363	2.127	1.977	1.736	1.747	1.677	1.551	1.883	15.20
16)	2,2'-oxybis(1-...	2.567	2.372	2.192	1.909	1.942	1.847	1.725	2.079	14.74
17)	2-Methylphenol	1.705	1.553	1.436	1.256	1.269	1.218	1.157	1.371	14.64
18)	Hexachloroethane	0.766	0.725	0.654	0.580	0.595	0.560	0.536	0.631	13.81
19) P	n-Nitroso-di-n...	2.002	1.796	1.628	1.386	1.407	1.331	1.238	1.541	18.03
20)	3+4-Methylphenols	2.293	2.066	1.911	1.604	1.616	1.539	1.410	1.777	18.01
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.794	0.698	0.640	0.540	0.563	0.545	0.534	0.616	16.13
23) S	Nitrobenzene-d5	0.542	0.518	0.516	0.474	0.515	0.508	0.504	0.511	3.94
24)	Nitrobenzene	0.567	0.537	0.544	0.492	0.523	0.518	0.512	0.527	4.62
25)	Isophorone	1.233	1.085	1.000	0.874	0.930	0.911	0.903	0.991	12.95
26) C	2-Nitrophenol	0.121	0.119	0.132	0.135	0.149	0.152	0.156	0.138	10.88
27)	2,4-Dimethylph...	0.413	0.366	0.333	0.288	0.301	0.298	0.288	0.327	14.48
28)	bis(2-Chloroet...	0.771	0.677	0.634	0.543	0.588	0.561	0.552	0.618	13.43
29) C	2,4-Dichloroph...	0.373	0.335	0.317	0.277	0.297	0.285	0.284	0.310	11.20
30)	1,2,4-Trichlor...	0.402	0.364	0.344	0.295	0.312	0.306	0.302	0.332	11.97
31)	Naphthalene	1.371	1.217	1.124	0.955	0.992	0.962	0.942	1.080	15.20
32)	Benzoic acid		0.137	0.179	0.157	0.186	0.218	0.234	0.185	19.75
33)	4-Chloroaniline	0.545	0.493	0.444	0.381	0.399	0.382	0.378	0.432	15.18
34) C	Hexachlorobuta...	0.251	0.228	0.219	0.189	0.202	0.196	0.194	0.211	10.62
35)	Caprolactam	0.135	0.120	0.109	0.099	0.106	0.104	0.102	0.111	11.54
36) C	4-Chloro-3-met...	0.498	0.451	0.415	0.361	0.380	0.369	0.361	0.405	12.95
37)	2-Methylnaphth...	0.860	0.762	0.706	0.588	0.616	0.593	0.579	0.672	16.04
38)	1-Methylnaphth...	0.844	0.735	0.674	0.572	0.598	0.579	0.557	0.651	16.36

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.693	0.609	0.582	0.496	0.526	0.509	0.511	0.561	12.83
41) P	Hexachlorocycl...	0.371	0.344	0.343	0.316	0.342	0.332	0.343	0.342	4.89
42) S	2,4,6-Tribromo...	0.218	0.196	0.187	0.165	0.181	0.179	0.184	0.187	8.70
43) C	2,4,6-Trichlor...	0.478	0.420	0.408	0.359	0.385	0.372	0.378	0.400	10.13
44)	2,4,5-Trichlor...	0.491	0.455	0.425	0.369	0.393	0.390	0.376	0.414	10.88
45) S	2-Fluorobiphenyl	1.745	1.523	1.353	1.110	1.179	1.123	1.109	1.306	18.99
46)	1,1'-Biphenyl	1.949	1.718	1.549	1.315	1.384	1.333	1.299	1.507	16.43
47)	2-Chloronaphth...	1.495	1.322	1.225	1.029	1.104	1.074	1.037	1.184	14.67
48)	2-Nitroaniline	0.346	0.361	0.408	0.399	0.450	0.449	0.448	0.409	10.52
49)	Acenaphthylene	2.372	2.110	1.929	1.611	1.725	1.655	1.595	1.857	15.88
50)	Dimethylphthalate	1.804	1.592	1.449	1.237	1.322	1.269	1.257	1.419	14.97
51)	2,6-Dinitrotol...	0.223	0.234	0.254	0.235	0.259	0.257	0.254	0.245	5.76
52) C	Acenaphthene	1.432	1.248	1.173	0.989	1.059	1.036	1.009	1.135	14.17
53)	3-Nitroaniline	0.260	0.272	0.288	0.267	0.294	0.290	0.291	0.280	4.79
54) P	2,4-Dinitrophenol	0.054	0.072	0.085	0.099	0.108	0.117	0.089		26.50
55)	Dibenzofuran	2.211	1.933	1.777	1.468	1.570	1.508	1.475	1.706	16.56
56) P	4-Nitrophenol	0.211	0.211	0.226	0.214	0.235	0.234	0.232	0.223	4.90
57)	2,4-Dinitrotol...	0.241	0.267	0.300	0.293	0.323	0.325	0.329	0.297	11.07
58)	Fluorene	1.732	1.501	1.331	1.107	1.146	1.115	1.085	1.288	19.23
59)	2,3,4,6-Tetrac...	0.394	0.366	0.343	0.307	0.329	0.319	0.312	0.339	9.35
60)	Diethylphthalate	1.834	1.565	1.451	1.229	1.302	1.264	1.225	1.410	16.01
61)	4-Chlorophenyl...	0.838	0.735	0.671	0.551	0.591	0.565	0.553	0.643	17.08
62)	4-Nitroaniline	0.257	0.273	0.278	0.258	0.282	0.279	0.277	0.272	3.82
63)	Azobenzene	2.722	2.390	2.140	1.822	1.939	1.838	1.756	2.087	17.07
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.056	0.073	0.082	0.094	0.098	0.106	0.085		21.75
66) c	n-Nitrosodiphe...	0.852	0.756	0.704	0.593	0.629	0.599	0.594	0.675	14.79
67)	4-Bromophenyl-...	0.280	0.253	0.241	0.203	0.214	0.207	0.216	0.231	12.38
68)	Hexachlorobenzene	0.300	0.267	0.252	0.216	0.234	0.223	0.230	0.246	12.11
69)	Atrazine	0.272	0.247	0.224	0.189	0.201	0.189	0.186	0.216	15.58
70) C	Pentachlorophenol	0.149	0.141	0.150	0.132	0.146	0.141	0.142	0.143	4.30
71)	Phenanthrene	1.501	1.288	1.200	0.984	1.050	0.998	0.977	1.143	17.32
72)	Anthracene	1.526	1.282	1.210	0.991	1.044	0.998	0.974	1.146	17.91
73)	Carbazole	1.409	1.234	1.130	0.930	0.974	0.941	0.915	1.076	17.58
74)	Di-n-butylphth...	1.670	1.465	1.364	1.139	1.205	1.132	1.110	1.298	16.27
75) C	Fluoranthene	1.469	1.280	1.185	0.985	1.029	0.989	0.964	1.129	16.95
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.959	0.772	0.869	0.576	0.570	0.576	0.508	0.690	25.43
78)	Pyrene	1.867	1.694	1.578	1.436	1.583	1.564	1.599	1.617	8.25
79) S	Terphenyl-d14	1.417	1.257	1.171	1.045	1.149	1.147	1.162	1.192	9.78
80)	Butylbenzylpht...	0.773	0.707	0.696	0.645	0.710	0.699	0.688	0.703	5.38
81)	Benzo(a)anthra...	1.623	1.517	1.383	1.200	1.285	1.266	1.243	1.359	11.57
82)	3,3'-Dichlorob...	0.546	0.505	0.475	0.394	0.418	0.404	0.384	0.447	14.02
83)	Chrysene	1.602	1.451	1.345	1.135	1.220	1.214	1.188	1.308	12.84
84)	Bis(2-ethylhex...	1.098	1.004	0.966	0.858	0.939	0.909	0.887	0.952	8.50
85) c	Di-n-octyl pht...	1.777	1.582	1.494	1.264	1.383	1.374	1.325	1.457	12.11

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86) I	Perylene-d12										
		-----ISTD-----									
87)	Indeno(1,2,3-c...	1.348	1.149	1.139	1.149	1.276	1.268	1.321	1.236	7.16	
88)	Benzo(b)fluora...	1.541	1.463	1.370	1.187	1.311	1.239	1.173	1.326	10.54	
89)	Benzo(k)fluora...	1.581	1.404	1.381	1.212	1.172	1.171	1.195	1.302	12.08	
90) C	Benzo(a)pyrene	1.256	1.166	1.107	0.979	1.025	1.012	1.009	1.079	9.41	
91)	Dibenzo(a,h)an...	1.124	0.961	0.946	0.960	1.041	1.045	1.091	1.024	6.84	
92)	Benzo(g,h,i)pe...	1.097	0.906	0.914	0.941	1.035	1.040	1.093	1.004	8.18	

(#) = Out of Range