

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF030922.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Mar 09 17:59:49 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF127274.D 10 =BF127275.D 20 =BF127276.D 40 =BF127277.D 50 =BF127278.D 60 =BF127279.D 80 =BF127280.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.606	0.536	0.528	0.593	0.594	0.597	0.598	0.579	5.59
3)	Pyridine	1.539	1.576	1.649	1.598	1.601	1.502	1.464	1.561	4.08
4)	n-Nitrosodimet...	0.994	0.861	0.935	0.945	0.946	0.898	0.878	0.923	4.97
5) S	2-Fluorophenol	1.387	1.373	1.354	1.204	1.179	1.072	1.067	1.234	11.24
6)	Aniline	2.319	2.185	2.137	2.013	1.864	1.803	1.791	2.016	10.22
7) S	Phenol-d6	2.025	1.926	1.818	1.669	1.545	1.544	1.437	1.709	12.83
8)	2-Chlorophenol	1.399	1.469	1.382	1.266	1.228	1.209	1.090	1.292	10.14
9)	Benzaldehyde		1.171	1.072	0.840	0.776	0.753		0.922	20.40
10) C	Phenol	2.191	2.119	2.001	1.820	1.670	1.658	1.592	1.864	12.89
11)	bis(2-Chloroet...	1.555	1.506	1.474	1.374	1.316	1.278	1.247	1.393	8.63
12)	1,3-Dichlorobe...	1.720	1.579	1.511	1.418	1.378	1.303	1.252	1.452	11.26
13) C	1,4-Dichlorobe...	1.720	1.624	1.529	1.421	1.339	1.308	1.245	1.455	12.05
14)	1,2-Dichlorobe...	1.714	1.550	1.441	1.341	1.288	1.213	1.174	1.389	13.91
15)	Benzyl Alcohol	1.502	1.438	1.380	1.354	1.266	1.211	1.175	1.332	9.01
16)	2,2'-oxybis(1-...	2.995	2.881	2.721	2.625	2.525	2.319	2.226	2.613	10.76
17)	2-Methylphenol	1.264	1.222	1.152	1.106	1.039	0.982	0.956	1.103	10.66
18)	Hexachloroethane	0.605	0.617	0.583	0.531	0.535	0.540	0.494	0.558	8.04
19) P	n-Nitroso-di-n...	1.270	1.147	1.064	1.019	1.014	0.944	0.928	1.055	11.34
20)	3+4-Methylphenols	1.643	1.588	1.438	1.299	1.282	1.180	1.124	1.365	14.55
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.613	0.568	0.553	0.489	0.525	0.475	0.480	0.529	9.76
23) S	Nitrobenzene-d5	0.492	0.494	0.497	0.453	0.468	0.462	0.452	0.474	4.19
24)	Nitrobenzene	0.476	0.469	0.481	0.428	0.446	0.446	0.425	0.453	5.00
25)	Isophorone	0.810	0.807	0.798	0.769	0.775	0.780	0.764	0.786	2.39
26) C	2-Nitrophenol	0.179	0.193	0.203	0.194	0.189	0.190	0.195	0.192	3.81
27)	2,4-Dimethylph...	0.297	0.307	0.306	0.293	0.282	0.280	0.295	0.294	3.56
28)	bis(2-Chloroet...	0.569	0.532	0.516	0.504	0.521	0.475	0.475	0.513	6.47
29) C	2,4-Dichloroph...	0.355	0.347	0.338	0.341	0.340	0.305	0.305	0.333	5.93
30)	1,2,4-Trichlor...	0.429	0.397	0.399	0.380	0.383	0.349	0.351	0.384	7.27
31)	Naphthalene	1.179	1.142	1.130	1.071	1.058	0.972	0.962	1.074	7.80
32)	Benzoic acid		0.140	0.184	0.209	0.205	0.211	0.220	0.195	15.07
33)	4-Chloroaniline	0.470	0.445	0.431	0.411	0.401	0.379	0.383	0.417	8.05
34) C	Hexachlorobuta...	0.278	0.255	0.264	0.260	0.249	0.238	0.238	0.254	5.63
35)	Caprolactam	0.103	0.104	0.101	0.096	0.104	0.092	0.095	0.099	4.73
36) C	4-Chloro-3-met...	0.409	0.369	0.365	0.350	0.360	0.329	0.336	0.360	7.30
37)	2-Methylnaphth...	0.795	0.754	0.728	0.675	0.685	0.675	0.658	0.710	7.12
38)	1-Methylnaphth...	0.778	0.736	0.682	0.653	0.665	0.638	0.621	0.682	8.24

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.723	0.670	0.744	0.599	0.588	0.597	0.600	0.646	10.24
41) P	Hexachlorocycl...		0.125	0.227	0.240	0.247	0.276	0.283	0.233	24.47
42) S	2,4,6-Tribromo...	0.234	0.218	0.239	0.212	0.212	0.206	0.209	0.219	5.82
43) C	2,4,6-Trichlor...	0.423	0.414	0.467	0.390	0.388	0.378	0.394	0.408	7.49
44)	2,4,5-Trichlor...	0.475	0.445	0.482	0.418	0.416	0.426	0.414	0.439	6.54
45) S	2-Fluorobiphenyl	1.746	1.569	1.632	1.373	1.304	1.312	1.293	1.461	12.66
46)	1,1'-Biphenyl	1.803	1.671	1.735	1.471	1.401	1.417	1.416	1.559	11.00
47)	2-Chloronaphth...	1.391	1.284	1.373	1.159	1.082	1.102	1.124	1.217	10.75
48)	2-Nitroaniline	0.481	0.470	0.517	0.439	0.430	0.434	0.445	0.460	6.91
49)	Acenaphthylene	1.999	1.981	1.942	1.830	1.640	1.698	1.622	1.816	8.97
50)	Dimethylphthalate	1.692	1.519	1.568	1.414	1.345	1.382	1.353	1.468	8.87
51)	2,6-Dinitrotol...	0.334	0.315	0.318	0.297	0.279	0.287	0.273	0.300	7.55
52) C	Acenaphthene	1.210	1.168	1.148	1.040	0.988	0.975	0.978	1.072	9.36
53)	3-Nitroaniline	0.329	0.342	0.328	0.322	0.301	0.297	0.290	0.316	6.22
54) P	2,4-Dinitrophenol		0.131	0.145	0.157	0.158	0.165	0.165	0.154	8.67
55)	Dibenzofuran	1.910	1.854	1.782	1.567	1.554	1.493	1.470	1.662	10.95
56) P	4-Nitrophenol	0.159	0.194	0.209	0.192	0.193	0.202	0.192	0.192	8.20
57)	2,4-Dinitrotol...	0.419	0.400	0.416	0.365	0.371	0.349	0.346	0.381	8.02
58)	Fluorene	1.526	1.438	1.361	1.244	1.238	1.157	1.171	1.305	10.73
59)	2,3,4,6-Tetrac...	0.374	0.370	0.405	0.355	0.346	0.362	0.347	0.366	5.61
60)	Diethylphthalate	1.619	1.426	1.398	1.261	1.236	1.223	1.228	1.342	11.06
61)	4-Chlorophenyl...	0.828	0.778	0.747	0.686	0.687	0.639	0.645	0.716	9.87
62)	4-Nitroaniline	0.326	0.339	0.327	0.303	0.297	0.288	0.289	0.310	6.65
63)	Azobenzene	1.758	1.639	1.570	1.445	1.499	1.382	1.405	1.528	8.91
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.101	0.117	0.143	0.142	0.131	0.130	0.129	0.128	11.54
66) c	n-Nitrosodiphe...	0.679	0.658	0.683	0.630	0.610	0.568	0.565	0.628	7.83
67)	4-Bromophenyl-...	0.243	0.256	0.278	0.246	0.237	0.230	0.223	0.245	7.44
68)	Hexachlorobenzene	0.276	0.269	0.304	0.258	0.253	0.242	0.246	0.264	8.10
69)	Atrazine	0.264	0.236	0.250	0.218	0.193	0.187		0.225	13.72
70) C	Pentachlorophenol		0.088	0.111	0.122	0.111	0.117	0.116	0.111	11.00
71)	Phenanthrene	1.203	1.119	1.121	1.022	0.992	0.960	0.964	1.055	8.88
72)	Anthracene	1.193	1.131	1.107	1.017	0.979	0.961	0.950	1.048	9.10
73)	Carbazole	1.183	1.078	1.021	0.954	0.921	0.914	0.888	0.994	10.70
74)	Di-n-butylphth...	1.287	1.249	1.191	1.179	1.060	1.054	1.022	1.149	9.04
75) C	Fluoranthene	1.326	1.298	1.234	1.157	1.041	1.073	1.048	1.168	10.25
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.626	0.576	0.593	0.471	0.281	0.368	0.299	0.459	31.49
78)	Pyrene	1.690	1.651	1.619	1.603	1.540	1.621	1.577	1.614	3.01
79) S	Terphenyl-d14	1.336	1.225	1.247	1.186	1.150	1.180	1.126	1.207	5.80
80)	Butylbenzylpht...	0.674	0.622	0.628	0.632	0.600	0.639	0.575	0.624	4.99
81)	Benzo(a)anthra...	1.509	1.423	1.395	1.332	1.297	1.275	1.268	1.357	6.59
82)	3,3'-Dichlorob...	0.499	0.472	0.449	0.402	0.366	0.354		0.424	13.91
83)	Chrysene	1.437	1.362	1.317	1.238	1.208	1.185	1.150	1.271	8.18
84)	Bis(2-ethylhex...	0.911	0.855	0.812	0.811	0.794	0.767	0.756	0.815	6.54
85) c	Di-n-octyl pht...	1.423	1.322	1.461	1.226	1.132	1.189	1.148	1.272	10.41

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.222	1.114	1.124	1.246	1.332	1.248	1.290	1.225	6.60	
88)	Benzo(b)fluora...	1.480	1.345	1.384	1.346	1.227	1.337	1.209	1.332	6.94	
89)	Benzo(k)fluora...	1.428	1.387	1.404	1.277	1.186	1.170	1.145	1.285	9.40	
90) C	Benzo(a)pyrene	1.144	1.092	1.080	1.040	0.985	0.985	0.954	1.040	6.63	
91)	Dibenzo(a,h)an...	0.991	0.914	0.935	1.031	1.099	1.032	1.052	1.008	6.49	
92)	Benzo(g,h,i)pe...	1.055	0.887	0.882	1.032	1.097	1.030	1.111	1.014	9.19	

(#) = Out of Range