

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF110321.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Nov 03 17:21:25 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF126015.D 10 =BF126016.D 20 =BF126017.D 40 =BF126018.D 50 =BF126019.D 60 =BF126020.D 80 =BF126021.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.576	0.554	0.488	0.470	0.446	0.438	0.417	0.484	12.40
3)	Pyridine	1.561	1.427	1.311	1.281	1.198	1.206	1.137	1.303	11.31
4)	n-Nitrosodimet...	1.057	0.995	0.905	0.897	0.869	0.855	0.818	0.914	9.17
5) S	2-Fluorophenol	1.330	1.268	1.173	1.149	1.091	1.099	1.044	1.165	8.78
6)	Aniline	2.140	2.000	1.798	1.763	1.677	1.688	1.607	1.810	10.60
7) S	Phenol-d6	1.975	1.775	1.615	1.606	1.531	1.534	1.457	1.642	10.81
8)	2-Chlorophenol	1.445	1.363	1.235	1.210	1.172	1.163	1.123	1.244	9.39
9)	Benzaldehyde	1.422	1.305	1.122	0.973	0.847	0.816		1.081	22.82
10) C	Phenol	1.980	1.839	1.671	1.640	1.555	1.562	1.504	1.679	10.26
11)	bis(2-Chloroet...	1.498	1.345	1.227	1.178	1.132	1.128	1.051	1.223	12.48
12)	1,3-Dichlorobe...	1.694	1.568	1.400	1.373	1.310	1.312	1.265	1.417	11.04
13) C	1,4-Dichlorobe...	1.748	1.587	1.415	1.397	1.350	1.338	1.282	1.445	11.36
14)	1,2-Dichlorobe...	1.667	1.561	1.381	1.337	1.288	1.296	1.217	1.392	11.64
15)	Benzyl Alcohol	1.567	1.500	1.393	1.404	1.325	1.345	1.281	1.402	7.17
16)	2,2'-oxybis(1-...	2.711	2.579	2.252	2.199	2.063	2.039	1.896	2.248	13.19
17)	2-Methylphenol	1.258	1.155	1.031	1.036	0.993	0.998	0.943	1.059	10.32
18)	Hexachloroethane	0.623	0.574	0.543	0.537	0.505	0.521	0.498	0.543	8.01
19) P	n-Nitroso-di-n...	1.225	1.186	1.084	1.064	1.026	1.026	0.966	1.082	8.54
20)	3+4-Methylphenols	1.682	1.601	1.419	1.383	1.331	1.328	1.278	1.432	10.59
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.664	0.604	0.574	0.565	0.540	0.561	0.536	0.578	7.63
23) S	Nitrobenzene-d5	0.357	0.396	0.429	0.449	0.437	0.459	0.440	0.424	8.36
24)	Nitrobenzene	0.398	0.412	0.424	0.435	0.419	0.434	0.419	0.420	3.03
25)	Isophorone	0.877	0.795	0.767	0.749	0.706	0.746	0.705	0.764	7.77
26) C	2-Nitrophenol	0.072	0.093	0.117	0.139	0.142	0.158	0.156	0.125	26.14
27)	2,4-Dimethylph...	0.302	0.287	0.280	0.276	0.262	0.279	0.263	0.278	4.96
28)	bis(2-Chloroet...	0.516	0.463	0.449	0.442	0.423	0.438	0.420	0.450	7.20
29) C	2,4-Dichloroph...	0.325	0.317	0.317	0.317	0.304	0.315	0.305	0.314	2.34
30)	1,2,4-Trichlor...	0.435	0.396	0.382	0.374	0.360	0.375	0.360	0.383	6.83
31)	Naphthalene	1.173	1.095	1.047	1.024	0.966	1.000	0.947	1.036	7.55
32)	Benzoic acid		0.059	0.101	0.155	0.169	0.191	0.188	0.144	36.67
33)	4-Chloroaniline	0.478	0.440	0.424	0.410	0.383	0.396	0.368	0.414	8.97
34) C	Hexachlorobuta...	0.295	0.272	0.260	0.261	0.248	0.259	0.251	0.264	6.00
35)	Caprolactam	0.093	0.088	0.086	0.085	0.081	0.088	0.092	0.088	4.63
36) C	4-Chloro-3-met...	0.385	0.368	0.370	0.366	0.347	0.361	0.341	0.362	4.11
37)	2-Methylnaphth...	0.824	0.749	0.710	0.703	0.665	0.693	0.664	0.715	7.82
38)	1-Methylnaphth...	0.795	0.724	0.688	0.680	0.645	0.678	0.641	0.693	7.62

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.767	0.684	0.663	0.658	0.627	0.650	0.643	0.670	6.85
41) P	Hexachlorocycl...	0.275	0.306	0.340	0.376	0.367	0.382	0.390	0.348	12.41
42) S	2,4,6-Tribromo...	0.202	0.207	0.223	0.240	0.232	0.253	0.247	0.229	8.57
43) C	2,4,6-Trichlor...	0.386	0.389	0.410	0.417	0.399	0.423	0.416	0.406	3.65
44)	2,4,5-Trichlor...	0.436	0.443	0.437	0.447	0.428	0.440	0.440	0.438	1.36
45) S	2-Fluorobiphenyl	1.740	1.595	1.488	1.451	1.375	1.392	1.319	1.480	9.82
46)	1,1'-Biphenyl	1.805	1.631	1.550	1.517	1.435	1.472	1.411	1.546	8.82
47)	2-Chloronaphth...	1.396	1.290	1.210	1.191	1.135	1.160	1.135	1.217	7.84
48)	2-Nitroaniline	0.237	0.287	0.357	0.395	0.386	0.414	0.407	0.355	19.03
49)	Acenaphthylene	2.143	1.928	1.841	1.826	1.708	1.747	1.688	1.840	8.57
50)	Dimethylphthalate	1.648	1.548	1.437	1.428	1.368	1.404	1.360	1.456	7.22
51)	2,6-Dinitrotol...	0.179	0.232	0.249	0.270	0.268	0.277	0.271	0.250	13.92
52) C	Acenaphthene	1.281	1.176	1.139	1.160	1.102	1.139	1.127	1.161	5.00
53)	3-Nitroaniline	0.207	0.233	0.260	0.276	0.266	0.279	0.270	0.256	10.20
54) P	2,4-Dinitrophenol	0.042	0.064	0.094	0.104	0.122	0.130	0.093		36.61
55)	Dibenzofuran	2.033	1.841	1.745	1.732	1.611	1.674	1.595	1.747	8.68
56) P	4-Nitrophenol	0.161	0.200	0.215	0.206	0.218	0.212	0.202		10.47
57)	2,4-Dinitrotol...	0.198	0.260	0.318	0.352	0.346	0.375	0.370	0.317	20.65
58)	Fluorene	1.653	1.451	1.384	1.390	1.291	1.340	1.309	1.403	8.75
59)	2,3,4,6-Tetrac...	0.334	0.359	0.360	0.396	0.373	0.387	0.390	0.371	5.89
60)	Diethylphthalate	1.657	1.524	1.461	1.462	1.347	1.416	1.354	1.460	7.34
61)	4-Chlorophenyl...	0.868	0.766	0.732	0.744	0.706	0.721	0.715	0.750	7.44
62)	4-Nitroaniline	0.227	0.244	0.268	0.286	0.276	0.289	0.278	0.267	8.61
63)	Azobenzene	1.855	1.670	1.613	1.588	1.457	1.489	1.426	1.586	9.36
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.044	0.064	0.087	0.093	0.103	0.106	0.083		29.36
66) c	n-Nitrosodiphe...	0.717	0.661	0.635	0.630	0.595	0.616	0.605	0.637	6.48
67)	4-Bromophenyl-...	0.265	0.246	0.234	0.247	0.228	0.239	0.236	0.242	4.90
68)	Hexachlorobenzene	0.277	0.257	0.249	0.251	0.242	0.249	0.247	0.253	4.46
69)	Atrazine	0.260	0.237	0.228	0.232	0.207	0.215	0.197	0.225	9.27
70) C	Pentachlorophenol	0.105	0.126	0.145	0.145	0.150	0.147	0.136		12.95
71)	Phenanthrene	1.264	1.126	1.107	1.078	1.013	1.018	0.987	1.085	8.69
72)	Anthracene	1.261	1.161	1.085	1.078	1.008	1.024	0.962	1.083	9.34
73)	Carbazole	1.193	1.063	1.014	0.991	0.930	0.958	0.881	1.004	10.13
74)	Di-n-butylphth...	1.294	1.233	1.209	1.206	1.095	1.111	1.043	1.170	7.60
75) C	Fluoranthene	1.469	1.284	1.244	1.216	1.105	1.120	1.015	1.208	12.24
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.800	0.701	0.591	0.611	0.963	0.535	0.479	0.669	25.04
78)	Pyrene	1.645	1.608	1.563	1.579	1.604	1.604	1.624	1.604	1.69
79) S	Terphenyl-d14	1.275	1.265	1.224	1.234	1.244	1.230	1.210	1.240	1.84
80)	Butylbenzylpht...	0.473	0.541	0.593	0.622	0.604	0.624	0.633	0.584	9.91
81)	Benzo(a)anthra...	1.550	1.423	1.376	1.364	1.317	1.306	1.282	1.374	6.64
82)	3,3'-Dichlorob...	0.424	0.424	0.421	0.421	0.397	0.373	0.347	0.401	7.65
83)	Chrysene	1.428	1.330	1.308	1.267	1.230	1.208	1.178	1.278	6.66
84)	Bis(2-ethylhex...	0.755	0.780	0.827	0.864	0.800	0.822	0.820	0.810	4.34
85) c	Di-n-octyl pht...	1.092	1.149	1.230	1.254	1.096	1.126	1.106	1.150	5.73

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.243	1.108	1.036	1.163	1.224	1.226	1.287	1.184		7.34
88)	Benzo(b)fluora...	1.385	1.302	1.309	1.414	1.274	1.248	1.173	1.301		6.25
89)	Benzo(k)fluora...	1.431	1.360	1.261	1.249	1.134	1.210	1.189	1.262		8.11
90) C	Benzo(a)pyrene	1.129	1.075	1.004	1.034	0.974	0.983	0.975	1.025		5.73
91)	Dibenzo(a,h)an...	1.005	0.915	0.861	0.959	0.995	1.007	1.065	0.972		6.93
92)	Benzo(g,h,i)pe...	0.966	0.863	0.798	0.915	0.978	0.970	1.037	0.932		8.61

(#) = Out of Range