

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF110920.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Nov 09 15:51:40 2020
 Response Via : Initial Calibration

Calibration Files

5 =BF122279.D 10 =BF122280.D 20 =BF122281.D 40 =BF122282.D 50 =BF122283.D 60 =BF122284.D 80 =BF122285.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.610	0.649	0.589	0.583	0.591	0.568	0.592	0.597	4.32
3) Pyridine	1.590	1.744	1.626	1.631	1.635	1.598	1.676	1.643	3.21
4) n-Nitrosodimet...	0.754	0.800	0.770	0.768	0.784	0.757	0.788	0.774	2.19
5) S 2-Fluorophenol	1.347	1.440	1.337	1.293	1.276	1.210	1.215	1.303	6.19
6) Aniline	2.237	2.364	2.225	2.212	2.249	2.148	2.216	2.236	2.91
7) S Phenol-d6	1.767	1.869	1.728	1.686	1.687	1.587	1.604	1.704	5.67
8) 2-Chlorophenol	1.380	1.444	1.381	1.361	1.341	1.274	1.275	1.351	4.53
9) Benzaldehyde	1.235	1.255	1.111	0.893	0.852	0.737	0.642	0.961	25.20
10) C Phenol	1.707	1.808	1.694	1.669	1.684	1.561	1.623	1.678	4.54
11) bis(2-Chloroet...	1.397	1.437	1.346	1.315	1.315	1.249	1.277	1.334	4.92
12) 1,3-Dichlorobe...	1.635	1.691	1.562	1.523	1.505	1.414	1.405	1.533	6.92
13) C 1,4-Dichlorobe...	1.644	1.716	1.578	1.518	1.501	1.415	1.411	1.540	7.37
14) 1,2-Dichlorobe...	1.557	1.609	1.494	1.429	1.398	1.306	1.271	1.438	8.67
15) Benzyl Alcohol	1.207	1.302	1.224	1.222	1.220	1.156	1.149	1.211	4.20
16) 2,2'-oxybis(1-...	2.058	2.104	1.957	1.922	1.917	1.813	1.837	1.944	5.49
17) 2-Methylphenol	1.130	1.180	1.122	1.111	1.138	1.083	1.128	1.127	2.60
18) Hexachloroethane	0.536	0.569	0.544	0.537	0.538	0.513	0.518	0.536	3.40
19) P n-Nitroso-di-n...	1.058	1.085	1.028	1.003	1.008	0.961	0.986	1.018	4.16
20) 3+4-Methylphenols	1.430	1.544	1.441	1.384	1.358	1.289	1.266	1.387	6.87
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.558	0.576	0.525	0.512	0.506	0.482	0.488	0.521	6.67
23) S Nitrobenzene-d5	0.236	0.296	0.322	0.346	0.361	0.355	0.372	0.327	14.54
24) Nitrobenzene	0.298	0.367	0.371	0.387	0.401	0.388	0.405	0.374	9.71
25) Isophorone	0.739	0.748	0.708	0.707	0.729	0.713	0.754	0.728	2.67
26) C 2-Nitrophenol	0.053	0.078	0.107	0.143	0.158	0.164	0.181	0.126	37.94#
27) 2,4-Dimethylph...	0.333	0.349	0.335	0.341	0.349	0.342	0.355	0.344	2.34
28) bis(2-Chloroet...	0.463	0.467	0.438	0.439	0.445	0.426	0.440	0.445	3.21
29) C 2,4-Dichloroph...	0.274	0.304	0.298	0.307	0.316	0.310	0.321	0.304	4.98
30) 1,2,4-Trichlor...	0.346	0.354	0.332	0.337	0.333	0.322	0.326	0.336	3.34
31) Naphthalene	1.144	1.164	1.080	1.049	1.033	0.985	0.987	1.063	6.64
32) Benzoic acid		0.086	0.122	0.171	0.195	0.201		0.155	31.93
33) 4-Chloroaniline	0.478	0.491	0.460	0.459	0.460	0.445	0.449	0.463	3.47
34) C Hexachlorobuta...	0.198	0.202	0.194	0.191	0.193	0.185	0.187	0.193	3.07
35) Caprolactam	0.084	0.092	0.089	0.097	0.105	0.100	0.107	0.096	8.86
36) C 4-Chloro-3-met...	0.298	0.318	0.313	0.319	0.327	0.317	0.328	0.317	3.09
37) 2-Methylnaphth...	0.753	0.776	0.710	0.687	0.688	0.657	0.647	0.702	6.77
38) 1-Methylnaphth...	0.704	0.714	0.665	0.652	0.644	0.617	0.608	0.658	6.09

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.629	0.675	0.621	0.608	0.607	0.586	0.587	0.616	4.91
41) P	Hexachlorocycl...	0.290	0.340	0.350	0.377	0.385	0.382	0.398	0.360	10.30
42) S	2,4,6-Tribromo...	0.178	0.206	0.212	0.223	0.229	0.223	0.232	0.215	8.67
43) C	2,4,6-Trichlor...	0.338	0.385	0.388	0.412	0.429	0.412	0.439	0.400	8.48
44)	2,4,5-Trichlor...	0.357	0.416	0.418	0.428	0.441	0.436	0.441	0.420	7.03
45) S	2-Fluorobiphenyl	1.460	1.520	1.343	1.229	1.181	1.133	1.094	1.280	12.86
46)	1,1'-Biphenyl	1.698	1.789	1.640	1.557	1.547	1.485	1.429	1.592	7.85
47)	2-Chloronaphth...	1.308	1.389	1.270	1.249	1.243	1.201	1.184	1.264	5.46
48)	2-Nitroaniline	0.149	0.230	0.289	0.344	0.379	0.373	0.408	0.310	30.06
49)	Acenaphthylene	2.000	2.119	1.970	1.922	1.899	1.852	1.832	1.942	5.06
50)	Dimethylphthalate	1.488	1.507	1.413	1.379	1.413	1.350	1.400	1.422	3.98
51)	2,6-Dinitrotol...	0.164	0.229	0.266	0.296	0.318	0.318	0.333	0.275	22.05
52) C	Acenaphthene	1.228	1.295	1.201	1.183	1.195	1.152	1.160	1.202	4.01
53)	3-Nitroaniline	0.204	0.272	0.307	0.338	0.363	0.358	0.380	0.317	19.56
54) P	2,4-Dinitrophenol	0.032	0.050	0.079	0.100	0.110	0.132	0.084		44.86
55)	Dibenzofuran	1.857	1.936	1.779	1.726	1.721	1.664	1.644	1.761	5.96
56) P	4-Nitrophenol	0.205	0.241	0.274	0.297	0.291	0.319	0.271		15.31
57)	2,4-Dinitrotol...	0.167	0.248	0.312	0.371	0.405	0.400	0.424	0.332	28.67
58)	Fluorene	1.495	1.523	1.396	1.315	1.289	1.223	1.199	1.349	9.43
59)	2,3,4,6-Tetrac...	0.291	0.325	0.339	0.363	0.376	0.371	0.377	0.349	9.23
60)	Diethylphthalate	1.448	1.477	1.390	1.363	1.401	1.347	1.337	1.395	3.72
61)	4-Chlorophenyl...	0.701	0.701	0.655	0.624	0.614	0.587	0.574	0.637	8.04
62)	4-Nitroaniline	0.211	0.267	0.300	0.332	0.357	0.351	0.369	0.313	18.36
63)	Azobenzene	1.552	1.576	1.465	1.428	1.454	1.384	1.383	1.463	5.19
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.032	0.050	0.076	0.091	0.095	0.112	0.076		39.35
66) c	n-Nitrosodiphe...	0.697	0.728	0.688	0.671	0.676	0.647	0.664	0.681	3.84
67)	4-Bromophenyl-...	0.234	0.245	0.230	0.234	0.237	0.227	0.238	0.235	2.50
68)	Hexachlorobenzene	0.260	0.265	0.250	0.251	0.255	0.243	0.253	0.254	2.83
69)	Atrazine	0.159	0.165	0.166	0.170	0.180	0.170	0.178	0.170	4.33
70) C	Pentachlorophenol	0.113	0.131	0.148	0.161	0.158	0.166	0.146		13.99
71)	Phenanthrene	1.233	1.273	1.159	1.114	1.093	1.045	1.027	1.135	8.13
72)	Anthracene	1.260	1.288	1.207	1.156	1.137	1.070	1.069	1.170	7.41
73)	Carbazole	1.118	1.165	1.073	1.045	1.060	0.991	0.997	1.064	5.87
74)	Di-n-butylphth...	1.201	1.200	1.154	1.125	1.146	1.072	1.042	1.134	5.31
75) C	Fluoranthene	1.252	1.308	1.211	1.171	1.171	1.089	1.091	1.185	6.78
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.573	0.606	0.632	0.558	0.558	0.499	0.458	0.555	10.78
78)	Pyrene	1.450	1.464	1.393	1.372	1.370	1.380	1.407	1.405	2.70
79) S	Terphenyl-d14	1.075	1.041	0.955	0.892	0.889	0.886	0.870	0.944	8.77
80)	Butylbenzylpht...	0.373	0.432	0.481	0.528	0.568	0.561	0.592	0.505	15.87
81)	Benzo(a)anthra...	1.333	1.364	1.261	1.219	1.202	1.157	1.171	1.244	6.40
82)	3,3'-Dichlorob...	0.426	0.472	0.470	0.468	0.490	0.459	0.460	0.464	4.20
83)	Chrysene	1.307	1.344	1.264	1.217	1.250	1.208	1.178	1.253	4.63
84)	Bis(2-ethylhex...	0.683	0.686	0.680	0.669	0.695	0.667	0.662	0.677	1.75
85) c	Di-n-octyl pht...	0.972	1.036	1.116	1.205	1.275	1.210	1.224	1.148	9.64

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.237	1.244	1.163	1.132	1.172	1.185	1.268	1.200		4.17
88)	Benzo(b)fluora...	1.213	1.275	1.263	1.297	1.312	1.308	1.398	1.295		4.38
89)	Benzo(k)fluora...	1.282	1.340	1.201	1.220	1.286	1.255	1.257	1.263		3.61
90) C	Benzo(a)pyrene	1.086	1.139	1.088	1.118	1.149	1.135	1.190	1.129		3.21
91)	Dibenzo(a,h)an...	1.056	1.053	0.986	0.949	0.972	0.982	1.039	1.005		4.30
92)	Benzo(g,h,i)pe...	1.032	1.024	0.939	0.903	0.937	0.962	1.045	0.978		5.71

(#) = Out of Range