

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF041521.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Apr 16 10:31:33 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF123562.D 10 =BF123563.D 20 =BF123564.D 40 =BF123565.D 50 =BF123566.D 60 =BF123567.D 80 =BF123568.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.688	0.706	0.715	0.623	0.608	0.588	0.597	0.646	8.44
3)	Pyridine	1.626	1.709	1.739	1.571	1.466	1.458	1.498	1.581	7.26
4)	n-Nitrosodimet...	0.959	1.019	1.010	0.918	0.868	0.875	0.908	0.937	6.52
5) S	2-Fluorophenol	1.318	1.382	1.389	1.208	1.124	1.111	1.130	1.237	9.99
6)	Aniline	2.139	2.180	2.201	1.985	1.866	1.863	1.894	2.018	7.52
7) S	Phenol-d6	1.844	1.897	1.898	1.660	1.561	1.556	1.586	1.715	9.29
8)	2-Chlorophenol	1.397	1.477	1.476	1.297	1.219	1.213	1.226	1.329	8.97
9)	Benzaldehyde	1.295	1.268	1.255	0.949	0.830			1.120	19.15
10) C	Phenol	1.893	1.901	2.095	1.806	1.705	1.679	1.669	1.821	8.48
11)	bis(2-Chloroet...	1.471	1.461	1.481	1.336	1.233	1.236	1.260	1.354	8.46
12)	1,3-Dichlorobe...	1.519	1.491	1.540	1.325	1.230	1.225	1.236	1.366	10.61
13) C	1,4-Dichlorobe...	1.538	1.507	1.553	1.363	1.252	1.250	1.244	1.387	10.31
14)	1,2-Dichlorobe...	1.454	1.461	1.444	1.264	1.176	1.157	1.166	1.303	11.09
15)	Benzyl Alcohol	1.287	1.399	1.516	1.372	1.302	1.291	1.305	1.353	6.20
16)	2,2'-oxybis(1-...	3.336	3.305	3.380	2.997	2.813	2.784	2.780	3.057	9.04
17)	2-Methylphenol	1.187	1.210	1.263	1.127	1.066	1.048	1.095	1.142	7.02
18)	Hexachloroethane	0.555	0.600	0.611	0.544	0.518	0.526	0.517	0.553	6.96
19) P	n-Nitroso-di-n...	1.224	1.220	1.246	1.107	1.038	1.043	1.073	1.136	8.01
20)	3+4-Methylphenols	1.572	1.596	1.635	1.424	1.333	1.318	1.325	1.457	9.60
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.569	0.598	0.604	0.548	0.526	0.504	0.534	0.555	6.74
23) S	Nitrobenzene-d5	0.419	0.453	0.470	0.436	0.421	0.411	0.435	0.435	4.70
24)	Nitrobenzene	0.448	0.481	0.494	0.460	0.441	0.429	0.453	0.458	4.95
25)	Isophorone	0.840	0.869	0.905	0.837	0.809	0.800	0.849	0.844	4.20
26) C	2-Nitrophenol	0.107	0.132	0.163	0.168	0.172	0.170	0.183	0.157	17.19
27)	2,4-Dimethylph...	0.287	0.299	0.308	0.287	0.274	0.271	0.296	0.289	4.67
28)	bis(2-Chloroet...	0.426	0.443	0.465	0.417	0.407	0.396	0.411	0.424	5.54
29) C	2,4-Dichloroph...	0.264	0.290	0.305	0.284	0.274	0.269	0.283	0.281	4.88
30)	1,2,4-Trichlor...	0.310	0.318	0.329	0.300	0.287	0.280	0.292	0.302	5.82
31)	Naphthalene	1.084	1.127	1.130	1.013	0.968	0.930	0.960	1.030	8.07
32)	Benzoic acid		0.114	0.163	0.198	0.180	0.201		0.171	20.72
33)	4-Chloroaniline	0.435	0.442	0.454	0.425	0.406	0.389	0.410	0.423	5.33
34) C	Hexachlorobuta...	0.193	0.197	0.205	0.191	0.179	0.179	0.183	0.190	5.20
35)	Caprolactam	0.079	0.097	0.108	0.100	0.098	0.094	0.111	0.098	10.53
36) C	4-Chloro-3-met...	0.346	0.368	0.402	0.366	0.358	0.345	0.368	0.365	5.25
37)	2-Methylnaphth...	0.696	0.729	0.736	0.663	0.636	0.620	0.648	0.676	6.74
38)	1-Methylnaphth...	0.673	0.687	0.702	0.633	0.596	0.578	0.605	0.639	7.58

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.573	0.585	0.587	0.556	0.522	0.507	0.534	0.552	5.75
41) P	Hexachlorocycl...	0.208	0.263	0.297	0.309	0.298	0.307	0.327	0.287	13.88
42) S	2,4,6-Tribromo...	0.190	0.223	0.237	0.238	0.225	0.228	0.244	0.226	7.84
43) C	2,4,6-Trichlor...	0.315	0.386	0.401	0.394	0.367	0.370	0.390	0.375	7.73
44)	2,4,5-Trichlor...	0.375	0.432	0.436	0.418	0.389	0.397	0.419	0.409	5.61
45) S	2-Fluorobiphenyl	1.470	1.515	1.459	1.331	1.205	1.201	1.211	1.342	10.35
46)	1,1'-Biphenyl	1.651	1.720	1.699	1.569	1.450	1.411	1.457	1.565	8.17
47)	2-Chloronaphth...	1.238	1.252	1.281	1.189	1.094	1.077	1.113	1.178	7.04
48)	2-Nitroaniline	0.404	0.483	0.521	0.526	0.486	0.492	0.524	0.491	8.63
49)	Acenaphthylene	2.017	2.098	2.101	1.947	1.780	1.752	1.794	1.927	7.87
50)	Dimethylphthalate	1.432	1.511	1.466	1.383	1.278	1.280	1.323	1.382	6.66
51)	2,6-Dinitrotol...	0.271	0.311	0.321	0.320	0.302	0.294	0.304	0.303	5.70
52) C	Acenaphthene	1.256	1.302	1.315	1.251	1.171	1.154	1.205	1.236	5.04
53)	3-Nitroaniline	0.339	0.366	0.369	0.366	0.333	0.338	0.352	0.352	4.35
54) P	2,4-Dinitrophenol	0.091	0.126	0.150	0.144	0.155		0.133		19.69
55)	Dibenzofuran	1.904	1.966	1.907	1.796	1.626	1.598	1.619	1.774	8.89
56) P	4-Nitrophenol	0.212	0.262	0.287	0.290	0.275	0.272	0.289	0.270	10.21
57)	2,4-Dinitrotol...	0.339	0.411	0.431	0.439	0.401	0.400	0.414	0.405	8.07
58)	Fluorene	1.505	1.591	1.494	1.377	1.253	1.253	1.284	1.394	9.84
59)	2,3,4,6-Tetrac...	0.284	0.323	0.344	0.338	0.327	0.321	0.344	0.326	6.35
60)	Diethylphthalate	1.537	1.651	1.625	1.548	1.404	1.404	1.420	1.513	6.92
61)	4-Chlorophenyl...	0.684	0.719	0.689	0.639	0.594	0.579	0.600	0.643	8.51
62)	4-Nitroaniline	0.329	0.374	0.379	0.369	0.344	0.336	0.357	0.355	5.51
63)	Azobenzene	1.750	1.876	1.857	1.727	1.603	1.587	1.594	1.713	7.19
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.079	0.098	0.107	0.106	0.112	0.125	0.104		14.77
66) c	n-Nitrosodiphe...	0.651	0.695	0.689	0.633	0.606	0.589	0.618	0.640	6.30
67)	4-Bromophenyl-...	0.198	0.226	0.228	0.204	0.201	0.198	0.207	0.209	6.13
68)	Hexachlorobenzene	0.233	0.248	0.251	0.236	0.226	0.224	0.232	0.236	4.30
69)	Atrazine	0.199	0.215	0.215	0.200	0.187	0.187	0.194	0.200	6.00
70) C	Pentachlorophenol	0.077	0.104	0.130	0.136	0.134	0.134	0.147	0.123	19.52
71)	Phenanthrene	1.115	1.188	1.136	1.012	0.960	0.927	0.968	1.044	9.71
72)	Anthracene	1.109	1.176	1.153	1.009	0.963	0.926	0.966	1.043	9.67
73)	Carbazole	1.092	1.177	1.149	1.019	0.962	0.925	0.966	1.041	9.49
74)	Di-n-butylphth...	1.231	1.419	1.396	1.259	1.181	1.161	1.174	1.260	8.45
75) C	Fluoranthene	1.231	1.323	1.256	1.119	1.054	0.996	1.051	1.147	10.74
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.502	0.665	0.399	0.667	0.597	0.489	0.486	0.544	18.65
78)	Pyrene	1.611	1.585	1.006	1.496	1.488	1.513	1.519	1.460	14.06
79) S	Terphenyl-d14	1.204	1.139	0.709	1.029	1.018	1.050	1.055	1.029	15.18
80)	Butylbenzylpht...	0.577	0.637	0.781	0.684	0.685	0.718	0.720	0.686	9.50
81)	Benzo(a)anthra...	1.260	1.306	1.365	1.183	1.158	1.139	1.169	1.226	6.99
82)	3,3'-Dichlorob...	0.407	0.436	0.471	0.377	0.361	0.343	0.345	0.392	12.45
83)	Chrysene	1.278	1.302	1.370	1.188	1.177	1.122	1.178	1.231	7.11
84)	Bis(2-ethylhex...	0.787	0.937	1.015	0.915	0.876	0.933	0.921	0.912	7.56
85) c	Di-n-octyl pht...	1.248	1.452	1.824	1.459	1.393	1.442	1.456	1.468	11.86

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.186	1.173	0.638	1.026	1.067	1.173	1.205	1.067	18.79	
88)	Benzo(b)fluora...	2.011	1.369	1.242	1.339	1.256	1.349	1.319	1.412	19.00	
89)	Benzo(k)fluora...	2.055	1.308	1.255	1.331	1.260	1.170	1.282	1.380	21.90	
90) C	Benzo(a)pyrene	1.073	1.207	1.099	1.138	1.097	1.110	1.138	1.123	3.88	
91)	Dibenzo(a,h)an...	0.997	0.990	0.545	0.875	0.915	0.976	1.020	0.903	18.36	
92)	Benzo(g,h,i)pe...	1.002	0.947	0.499	0.842	0.915	0.984	1.036	0.889	20.60	

(#) = Out of Range