

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF010521.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jan 05 16:45:30 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF122917.D 10 =BF122918.D 20 =BF122919.D 40 =BF122920.D 50 =BF122921.D 60 =BF122922.D 80 =BF122923.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.645	0.648	0.588	0.499	0.575	0.580	0.498	0.576	10.55
3)	Pyridine	1.273	1.629	1.549	1.329	1.489	1.506	1.294	1.438	9.65
4)	n-Nitrosodimet...	0.502	0.631	0.583	0.524	0.589	0.599	0.529	0.565	8.39
5) S	2-Fluorophenol	1.301	1.494	1.344	1.120	1.258	1.225	1.043	1.255	11.80
6)	Aniline	1.946	2.204	2.018	1.627	1.800	1.791	1.539	1.846	12.41
7) S	Phenol-d6	1.711	1.952	1.760	1.430	1.565	1.563	1.329	1.616	13.01
8)	2-Chlorophenol	1.408	1.614	1.482	1.222	1.348	1.325	1.135	1.362	11.69
9)	Benzaldehyde		1.149	0.981	0.733	0.755	0.697		0.863	22.57
10) C	Phenol	1.753	2.016	1.816	1.469	1.617	1.587	1.341	1.657	13.62
11)	bis(2-Chloroet...	1.240	1.464	1.340	1.109	1.247	1.242	1.081	1.246	10.48
12)	1,3-Dichlorobe...	1.728	1.948	1.733	1.437	1.616	1.590	1.353	1.629	12.21
13) C	1,4-Dichlorobe...	1.709	1.946	1.759	1.451	1.628	1.606	1.347	1.635	12.11
14)	1,2-Dichlorobe...	1.645	1.901	1.640	1.342	1.498	1.456	1.218	1.529	14.67
15)	Benzyl Alcohol	1.044	1.284	1.207	0.976	1.071	1.078	0.911	1.081	11.84
16)	2,2'-oxybis(1-...	1.709	1.929	1.691	1.398	1.566	1.545	1.302	1.592	13.12
17)	2-Methylphenol	1.150	1.330	1.156	0.956	1.057	1.064	0.915	1.090	12.78
18)	Hexachloroethane	0.611	0.688	0.622	0.519	0.585	0.581	0.500	0.587	10.84
19) P	n-Nitroso-di-n...	0.970	1.089	0.965	0.783	0.842	0.856	0.757	0.894	13.24
20)	3+4-Methylphenols	1.533	1.690	1.471	1.181	1.285	1.259	1.065	1.355	16.12
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.514	0.588	0.512	0.438	0.490	0.490	0.423	0.494	11.03
23) S	Nitrobenzene-d5	0.387	0.450	0.402	0.346	0.395	0.397	0.345	0.389	9.23
24)	Nitrobenzene	0.377	0.440	0.393	0.341	0.386	0.391	0.336	0.381	9.22
25)	Isophorone	0.630	0.737	0.659	0.570	0.644	0.668	0.592	0.643	8.48
26) C	2-Nitrophenol	0.176	0.219	0.200	0.176	0.202	0.207	0.180	0.194	8.75
27)	2,4-Dimethylph...	0.263	0.310	0.280	0.244	0.277	0.280	0.246	0.271	8.50
28)	bis(2-Chloroet...	0.427	0.515	0.453	0.394	0.445	0.452	0.394	0.440	9.48
29) C	2,4-Dichloroph...	0.309	0.370	0.331	0.288	0.324	0.331	0.286	0.320	9.11
30)	1,2,4-Trichlor...	0.374	0.428	0.379	0.327	0.376	0.373	0.321	0.368	9.73
31)	Naphthalene	1.137	1.290	1.128	0.969	1.091	1.094	0.930	1.091	10.82
32)	Benzoic acid	0.091	0.142	0.165	0.175	0.202	0.226	0.213	0.173	26.72
33)	4-Chloroaniline	0.463	0.529	0.474	0.403	0.447	0.455	0.394	0.452	10.05
34) C	Hexachlorobuta...	0.228	0.269	0.235	0.205	0.234	0.231	0.196	0.228	10.32
35)	Caprolactam	0.091	0.107	0.102	0.086	0.095	0.100	0.091	0.096	7.50
36) C	4-Chloro-3-met...	0.312	0.364	0.336	0.289	0.320	0.333	0.292	0.321	8.24
37)	2-Methylnaphth...	0.748	0.861	0.757	0.637	0.711	0.716	0.623	0.722	11.08
38)	1-Methylnaphth...	0.707	0.807	0.708	0.598	0.667	0.670	0.582	0.677	11.17

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.665	0.774	0.672	0.579	0.676	0.669	0.553	0.655	11.04
41) P	Hexachlorocycl...	0.015	0.061	0.091	0.127	0.168	0.199		0.110	61.92
42) S	2,4,6-Tribromo...	0.251	0.301	0.268	0.229	0.253	0.260	0.227	0.256	9.79
43) C	2,4,6-Trichlor...	0.412	0.500	0.438	0.389	0.442	0.451	0.383	0.431	9.34
44)	2,4,5-Trichlor...	0.428	0.498	0.457	0.408	0.460	0.467	0.390	0.444	8.38
45) S	2-Fluorobiphenyl	1.595	1.790	1.497	1.244	1.419	1.374	1.113	1.433	15.58
46)	1,1'-Biphenyl	1.758	1.968	1.696	1.455	1.657	1.642	1.363	1.649	12.01
47)	2-Chloronaphth...	1.432	1.619	1.412	1.216	1.386	1.383	1.143	1.370	11.29
48)	2-Nitroaniline	0.373	0.441	0.408	0.347	0.386	0.408	0.355	0.388	8.56
49)	Acenaphthylene	2.083	2.412	2.083	1.778	1.995	1.996	1.641	1.998	12.29
50)	Dimethylphthalate	1.604	1.855	1.619	1.399	1.572	1.629	1.395	1.582	9.89
51)	2,6-Dinitrotol...	0.327	0.394	0.356	0.304	0.340	0.352	0.301	0.339	9.54
52) C	Acenaphthene	1.266	1.455	1.256	1.063	1.210	1.210	1.008	1.210	12.06
53)	3-Nitroaniline	0.384	0.444	0.410	0.340	0.382	0.401	0.354	0.388	8.96
54) P	2,4-Dinitrophenol	0.037	0.102	0.135	0.138	0.156	0.185		0.125	40.79
55)	Dibenzofuran	1.918	2.211	1.893	1.601	1.773	1.760	1.441	1.799	13.66
56) P	4-Nitrophenol	0.152	0.219	0.232	0.208	0.227	0.249	0.222	0.216	14.21
57)	2,4-Dinitrotol...	0.440	0.521	0.475	0.405	0.435	0.449	0.370	0.442	10.97
58)	Fluorene	1.557	1.760	1.518	1.281	1.409	1.412	1.157	1.442	13.54
59)	2,3,4,6-Tetrac...	0.368	0.437	0.399	0.353	0.382	0.418	0.347	0.386	8.62
60)	Diethylphthalate	1.569	1.840	1.591	1.364	1.519	1.567	1.331	1.540	10.90
61)	4-Chlorophenyl...	0.774	0.884	0.754	0.640	0.712	0.716	0.581	0.723	13.44
62)	4-Nitroaniline	0.402	0.473	0.433	0.364	0.386	0.415	0.369	0.406	9.47
63)	Azobenzene	1.400	1.595	1.401	1.216	1.351	1.371	1.166	1.357	10.29
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.074	0.111	0.121	0.111	0.129	0.136	0.120	0.115	17.44
66) c	n-Nitrosodiphe...	0.703	0.812	0.706	0.607	0.699	0.695	0.583	0.686	10.91
67)	4-Bromophenyl-...	0.256	0.303	0.264	0.231	0.269	0.264	0.223	0.259	10.19
68)	Hexachlorobenzene	0.299	0.337	0.296	0.255	0.294	0.292	0.248	0.289	10.29
69)	Atrazine	0.225	0.264	0.234	0.196	0.218	0.220	0.177	0.219	12.62
70) C	Pentachlorophenol	0.076	0.110	0.117	0.110	0.124	0.139	0.120	0.114	16.91
71)	Phenanthrene	1.283	1.418	1.239	1.033	1.177	1.161	0.959	1.181	13.02
72)	Anthracene	1.269	1.421	1.239	1.030	1.178	1.158	0.954	1.179	13.13
73)	Carbazole	1.126	1.281	1.134	0.942	1.048	1.052	0.889	1.067	12.19
74)	Di-n-butylphth...	1.375	1.590	1.381	1.174	1.333	1.320	1.096	1.324	11.99
75) C	Fluoranthene	1.365	1.526	1.363	1.106	1.215	1.212	1.012	1.257	13.84
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.703	0.583	0.754	0.469	0.414	0.492	0.459	0.553	23.64
78)	Pyrene	1.456	1.667	1.451	1.260	1.537	1.527	1.291	1.456	9.79
79) S	Terphenyl-d14	1.458	1.453	1.159	0.955	1.144	1.117	0.914	1.171	18.39
80)	Butylbenzylpht...	0.599	0.720	0.642	0.580	0.687	0.707	0.602	0.648	8.79
81)	Benzo(a)anthra...	1.395	1.574	1.380	1.197	1.360	1.396	1.189	1.356	9.74
82)	3,3'-Dichlorob...	0.489	0.555	0.495	0.413	0.457	0.461	0.378	0.464	12.41
83)	Chrysene	1.389	1.545	1.353	1.127	1.325	1.334	1.110	1.312	11.56
84)	Bis(2-ethylhex...	0.855	1.030	0.885	0.807	0.966	0.974	0.810	0.904	9.65
85) c	Di-n-octyl pht...	1.410	1.710	1.503	1.336	1.551	1.593	1.340	1.492	9.30

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.345	1.561	1.354	1.168	1.345	1.310	1.104	1.313	11.20	
88)	Benzo(b)fluora...	1.325	1.610	1.328	1.286	1.309	1.399	1.231	1.355	9.07	
89)	Benzo(k)fluora...	1.336	1.438	1.317	1.096	1.357	1.335	1.105	1.284	10.19	
90) C	Benzo(a)pyrene	1.231	1.407	1.223	1.110	1.229	1.252	1.066	1.217	9.01	
91)	Dibenzo(a,h)an...	1.111	1.288	1.117	0.967	1.110	1.076	0.901	1.082	11.39	
92)	Benzo(g,h,i)pe...	1.058	1.224	1.063	0.918	1.079	1.030	0.885	1.037	10.79	

(#) = Out of Range