

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG012521.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jan 25 19:39:42 2021
 Response Via : Initial Calibration

Calibration Files

5 =BG047990.D 10 =BG047991.D 20 =BG047992.D 40 =BG047993.D 50 =BG047994.D 60 =BG047995.D 80 =BG047996.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.741	0.645	0.552	0.533	0.561	0.515	0.513	0.580	14.47
3) Pyridine	1.929	1.864	1.668	1.778	1.734	1.624	1.593	1.741	7.15
4) n-Nitrosodimet...	0.863	0.889	0.782	0.819	0.785	0.756	0.739	0.805	6.86
5) S 2-Fluorophenol	1.626	1.369	1.254	1.284	1.243	1.180	1.154	1.301	12.23
6) Aniline	2.614	2.575	2.356	2.411	2.376	2.242	2.157	2.390	6.88
7) S Phenol-d6	2.199	2.134	1.921	1.988	1.977	1.847	1.785	1.979	7.45
8) 2-Chlorophenol	1.619	1.419	1.317	1.370	1.339	1.257	1.216	1.362	9.67
9) Benzaldehyde	1.155	1.173	0.998	1.036	0.977	0.918	0.847	1.015	11.67
10) C Phenol	2.202	1.976	1.832	1.905	1.884	1.769	1.709	1.897	8.50
11) bis(2-Chloroet...	1.714	1.572	1.450	1.505	1.466	1.370	1.320	1.485	8.79
12) 1,3-Dichlorobe...	1.929	1.765	1.615	1.623	1.609	1.499	1.470	1.644	9.60
13) C 1,4-Dichlorobe...	1.937	1.820	1.589	1.637	1.594	1.495	1.466	1.648	10.41
14) 1,2-Dichlorobe...	1.855	1.739	1.501	1.580	1.531	1.416	1.392	1.573	10.73
15) Benzyl Alcohol	1.830	1.740	1.602	1.719	1.691	1.592	1.545	1.674	5.95
16) 2,2'-oxybis(1-...	2.422	2.292	2.026	2.085	2.060	1.874	1.834	2.085	10.13
17) 2-Methylphenol	1.477	1.401	1.231	1.270	1.275	1.192	1.127	1.282	9.40
18) Hexachloroethane	0.759	0.672	0.621	0.655	0.628	0.597	0.570	0.643	9.53
19) P n-Nitroso-di-n...	1.660	1.533	1.398	1.448	1.440	1.334	1.296	1.444	8.52
20) 3+4-Methylphenols	1.948	1.873	1.710	1.795	1.782	1.673	1.634	1.773	6.28
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.670	0.634	0.598	0.639	0.607	0.586	0.580	0.616	5.30
23) S Nitrobenzene-d5	0.543	0.508	0.498	0.522	0.502	0.489	0.476	0.505	4.36
24) Nitrobenzene	0.553	0.493	0.507	0.523	0.505	0.489	0.475	0.506	5.08
25) Isophorone	0.975	0.932	0.876	0.934	0.912	0.875	0.846	0.907	4.88
26) C 2-Nitrophenol	0.239	0.194	0.190	0.213	0.210	0.207	0.206	0.208	7.66
27) 2,4-Dimethylph...	0.347	0.303	0.291	0.306	0.296	0.290	0.285	0.303	6.87
28) bis(2-Chloroet...	0.604	0.570	0.524	0.556	0.538	0.524	0.506	0.546	6.12
29) C 2,4-Dichloroph...	0.391	0.391	0.381	0.402	0.398	0.384	0.379	0.389	2.21
30) 1,2,4-Trichlor...	0.511	0.468	0.455	0.492	0.464	0.457	0.449	0.471	4.74
31) Naphthalene	1.258	1.217	1.124	1.195	1.128	1.116	1.058	1.156	5.98
32) Benzoic acid	0.214	0.232	0.258	0.298	0.301	0.295	0.299	0.271	13.34
33) 4-Chloroaniline	0.537	0.524	0.524	0.550	0.538	0.522	0.505	0.529	2.75
34) C Hexachlorobuta...	0.373	0.326	0.319	0.345	0.332	0.327	0.320	0.334	5.71
35) Caprolactam	0.149	0.147	0.144	0.154	0.152	0.148	0.143	0.148	2.71
36) C 4-Chloro-3-met...	0.452	0.434	0.431	0.449	0.443	0.432	0.418	0.437	2.72
37) 2-Methylnaphth...	0.942	0.877	0.850	0.898	0.877	0.852	0.818	0.873	4.55
38) 1-Methylnaphth...	0.900	0.860	0.798	0.866	0.825	0.804	0.779	0.833	5.20

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.882	0.751	0.712	0.779	0.758	0.733	0.721	0.762	7.54
41) P	Hexachlorocycl...	0.444	0.409	0.397	0.454	0.442	0.436	0.440	0.432	4.79
42) S	2,4,6-Tribromo...	0.345	0.327	0.308	0.346	0.340	0.337	0.330	0.333	3.97
43) C	2,4,6-Trichlor...	0.552	0.531	0.507	0.547	0.543	0.526	0.516	0.532	3.13
44)	2,4,5-Trichlor...	0.585	0.544	0.517	0.582	0.550	0.555	0.525	0.551	4.70
45) S	2-Fluorobiphenyl	1.850	1.613	1.465	1.582	1.497	1.439	1.383	1.547	10.06
46)	1,1'-Biphenyl	1.793	1.559	1.441	1.587	1.529	1.472	1.442	1.546	7.95
47)	2-Chloronaphth...	1.522	1.418	1.260	1.374	1.318	1.284	1.243	1.346	7.41
48)	2-Nitroaniline	0.510	0.473	0.455	0.520	0.503	0.488	0.471	0.488	4.81
49)	Acenaphthylene	2.286	2.035	1.885	2.038	1.959	1.888	1.811	1.986	7.86
50)	Dimethylphthalate	2.041	1.853	1.747	1.862	1.771	1.738	1.661	1.810	6.80
51)	2,6-Dinitrotol...	0.415	0.354	0.358	0.390	0.381	0.376	0.360	0.376	5.72
52) C	Acenaphthene	1.482	1.329	1.253	1.386	1.360	1.319	1.281	1.344	5.61
53)	3-Nitroaniline	0.450	0.417	0.374	0.429	0.416	0.407	0.397	0.413	5.82
54) P	2,4-Dinitrophenol	0.187	0.205	0.227	0.257	0.254	0.261	0.257	0.235	12.55
55)	Dibenzofuran	2.321	2.092	1.969	2.089	2.019	1.944	1.839	2.039	7.46
56) P	4-Nitrophenol	0.322	0.311	0.312	0.340	0.334	0.321	0.315	0.322	3.49
57)	2,4-Dinitrotol...	0.552	0.542	0.520	0.576	0.551	0.545	0.518	0.543	3.68
58)	Fluorene	1.870	1.691	1.567	1.675	1.620	1.567	1.487	1.639	7.52
59)	2,3,4,6-Tetrac...	0.581	0.559	0.513	0.563	0.557	0.554	0.530	0.551	4.11
60)	Diethylphthalate	2.066	1.911	1.815	1.917	1.836	1.786	1.697	1.861	6.31
61)	4-Chlorophenyl...	1.115	1.025	0.937	1.034	0.998	0.987	0.931	1.004	6.26
62)	4-Nitroaniline	0.476	0.445	0.448	0.469	0.450	0.442	0.417	0.450	4.30
63)	Azobenzene	1.994	1.834	1.672	1.795	1.729	1.655	1.584	1.752	7.79
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.122	0.119	0.120	0.136	0.138	0.132	0.136	0.129	6.59
66) c	n-Nitrosodiphe...	0.663	0.627	0.578	0.611	0.594	0.571	0.564	0.601	5.85
67)	4-Bromophenyl-...	0.293	0.265	0.247	0.271	0.273	0.261	0.261	0.267	5.25
68)	Hexachlorobenzene	0.319	0.301	0.278	0.292	0.289	0.277	0.278	0.291	5.28
69)	Atrazine	0.240	0.242	0.227	0.235	0.221	0.220	0.212	0.228	5.00
70) C	Pentachlorophenol	0.165	0.169	0.165	0.187	0.187	0.181	0.182	0.176	5.60
71)	Phenanthrene	1.303	1.218	1.131	1.178	1.131	1.073	1.044	1.154	7.63
72)	Anthracene	1.295	1.202	1.112	1.152	1.103	1.057	1.024	1.135	8.06
73)	Carbazole	1.226	1.106	1.058	1.073	1.021	0.978	0.951	1.059	8.61
74)	Di-n-butylphth...	1.486	1.387	1.299	1.313	1.246	1.176	1.145	1.293	9.17
75) C	Fluoranthene	1.799	1.631	1.523	1.522	1.446	1.360	1.310	1.513	10.97
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.539	0.549	0.617	0.644	0.627	0.512	0.551	0.577	8.87
78)	Pyrene	1.629	1.528	1.464	1.518	1.437	1.370	1.307	1.465	7.29
79) S	Terphenyl-d14	1.366	1.246	1.167	1.190	1.104	1.043	0.959	1.154	11.61
80)	Butylbenzylpht...	0.616	0.570	0.547	0.584	0.550	0.534	0.516	0.559	5.96
81)	Benzo(a)anthra...	1.655	1.518	1.417	1.492	1.407	1.369	1.317	1.454	7.71
82)	3,3'-Dichlorob...	0.527	0.482	0.476	0.511	0.486	0.476	0.470	0.490	4.26
83)	Chrysene	1.586	1.418	1.354	1.420	1.342	1.294	1.255	1.381	7.86
84)	Bis(2-ethylhex...	0.855	0.770	0.758	0.785	0.751	0.734	0.710	0.766	6.00
85) c	Di-n-octyl pht...	1.424	1.292	1.250	1.331	1.262	1.229	1.184	1.282	6.09

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.815	1.612	1.519	1.628	1.593	1.546	1.548	1.609	6.15	
88)	Benzo(b)fluora...	1.595	1.449	1.354	1.439	1.410	1.359	1.345	1.421	6.13	
89)	Benzo(k)fluora...	1.583	1.446	1.321	1.394	1.353	1.296	1.274	1.381	7.72	
90) C	Benzo(a)pyrene	1.491	1.368	1.273	1.354	1.328	1.274	1.258	1.335	6.08	
91)	Dibenzo(a,h)an...	1.507	1.332	1.247	1.348	1.317	1.271	1.272	1.328	6.56	
92)	Benzo(g,h,i)pe...	1.424	1.281	1.205	1.293	1.281	1.231	1.236	1.279	5.60	

(#) = Out of Range