

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG082522.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Aug 25 17:50:55 2022
 Response Via : Initial Calibration

Calibration Files

5 =BG054734.D 10 =BG054735.D 20 =BG054736.D 40 =BG054737.D 50 =BG054738.D 60 =BG054739.D 80 =BG054740.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.626	0.559	0.597	0.519	0.527	0.518	0.493	0.548	8.79
3) Pyridine	1.569	1.594	1.628	1.495	1.482	1.493	1.446	1.530	4.39
4) n-Nitrosodimet...	0.702	0.710	0.683	0.644	0.630	0.641	0.618	0.661	5.55
5) S 2-Fluorophenol	1.187	1.196	1.225	1.122	1.118	1.116	1.075	1.149	4.73
6) Aniline	1.877	1.962	1.968	1.821	1.810	1.841	1.783	1.866	3.94
7) S Phenol-d6	1.611	1.645	1.660	1.537	1.522	1.538	1.482	1.571	4.33
8) 2-Chlorophenol	1.292	1.347	1.320	1.217	1.213	1.220	1.175	1.255	5.14
9) Benzaldehyde	1.163	1.146	1.071	0.920	0.847			1.029	13.60
10) C Phenol	1.655	1.675	1.721	1.585	1.565	1.585	1.520	1.615	4.37
11) bis(2-Chloroet...	1.378	1.385	1.373	1.261	1.236	1.248	1.213	1.299	5.85
12) 1,3-Dichlorobe...	1.526	1.553	1.549	1.384	1.389	1.412	1.351	1.452	5.99
13) C 1,4-Dichlorobe...	1.538	1.562	1.556	1.415	1.406	1.415	1.363	1.465	5.71
14) 1,2-Dichlorobe...	1.492	1.502	1.474	1.333	1.314	1.328	1.279	1.389	6.91
15) Benzyl Alcohol	1.105	1.152	1.201	1.130	1.105	1.141	1.110	1.135	3.04
16) 2,2'-oxybis(1-...	2.129	2.197	2.137	1.969	1.935	1.955	1.906	2.033	5.78
17) 2-Methylphenol	1.102	1.186	1.163	1.101	1.070	1.093	1.069	1.112	4.06
18) Hexachloroethane	0.549	0.561	0.560	0.517	0.509	0.522	0.501	0.531	4.69
19) P n-Nitroso-di-n...	1.129	1.164	1.126	1.060	1.010	1.052	1.020	1.080	5.53
20) 3+4-Methylphenols	1.520	1.581	1.624	1.543	1.500	1.532	1.495	1.542	3.00
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.512	0.524	0.519	0.481	0.483	0.492	0.491	0.500	3.52
23) S Nitrobenzene-d5	0.380	0.393	0.397	0.368	0.374	0.377	0.378	0.381	2.69
24) Nitrobenzene	0.390	0.396	0.396	0.371	0.374	0.380	0.382	0.384	2.64
25) Isophorone	0.707	0.731	0.727	0.693	0.698	0.706	0.710	0.710	1.96
26) C 2-Nitrophenol	0.151	0.153	0.170	0.168	0.177	0.183	0.185	0.170	8.05
27) 2,4-Dimethylph...	0.266	0.280	0.278	0.260	0.262	0.268	0.268	0.269	2.76
28) bis(2-Chloroet...	0.415	0.423	0.417	0.392	0.393	0.397	0.397	0.405	3.18
29) C 2,4-Dichloroph...	0.285	0.306	0.314	0.301	0.305	0.313	0.316	0.306	3.46
30) 1,2,4-Trichlor...	0.350	0.360	0.359	0.337	0.345	0.348	0.346	0.349	2.30
31) Naphthalene	1.103	1.127	1.107	1.036	1.044	1.050	1.043	1.073	3.53
32) Benzoic acid		0.117	0.135	0.168	0.184	0.199	0.214	0.169	22.11
33) 4-Chloroaniline	0.422	0.451	0.451	0.428	0.430	0.440	0.441	0.437	2.52
34) C Hexachlorobuta...	0.226	0.233	0.230	0.214	0.218	0.222	0.224	0.224	2.89
35) Caprolactam	0.105	0.106	0.109	0.108	0.108	0.108	0.110	0.108	1.49
36) C 4-Chloro-3-met...	0.327	0.337	0.343	0.329	0.329	0.334	0.340	0.334	1.86
37) 2-Methylnaphth...	0.763	0.776	0.780	0.734	0.728	0.743	0.739	0.752	2.77
38) 1-Methylnaphth...	0.761	0.760	0.757	0.709	0.706	0.711	0.718	0.732	3.56

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.614	0.626	0.619	0.564	0.592	0.604	0.600	0.603	3.41
41) P	Hexachlorocycl...	0.284	0.311	0.320	0.311	0.330	0.342	0.340	0.320	6.34
42) S	2,4,6-Tribromo...	0.240	0.253	0.257	0.244	0.247	0.255	0.253	0.250	2.53
43) C	2,4,6-Trichlor...	0.371	0.394	0.406	0.391	0.404	0.417	0.418	0.400	4.11
44)	2,4,5-Trichlor...	0.424	0.454	0.461	0.438	0.451	0.460	0.458	0.449	3.00
45) S	2-Fluorobiphenyl	1.393	1.439	1.405	1.263	1.278	1.290	1.247	1.331	5.91
46)	1,1'-Biphenyl	1.529	1.572	1.524	1.417	1.446	1.465	1.444	1.485	3.82
47)	2-Chloronaphth...	1.169	1.190	1.171	1.070	1.094	1.109	1.092	1.128	4.22
48)	2-Nitroaniline	0.324	0.338	0.360	0.345	0.360	0.372	0.376	0.353	5.32
49)	Acenaphthylene	1.905	1.963	1.932	1.781	1.812	1.843	1.794	1.861	3.87
50)	Dimethylphthalate	1.598	1.659	1.629	1.462	1.478	1.497	1.463	1.541	5.50
51)	2,6-Dinitrotol...	0.300	0.313	0.326	0.311	0.314	0.322	0.321	0.315	2.79
52) C	Acenaphthene	1.186	1.241	1.226	1.151	1.169	1.204	1.193	1.196	2.60
53)	3-Nitroaniline	0.325	0.357	0.367	0.347	0.354	0.359	0.361	0.353	3.87
54) P	2,4-Dinitrophenol	0.104	0.131	0.150	0.160	0.172	0.183	0.150		19.31
55)	Dibenzofuran	1.839	1.879	1.833	1.670	1.695	1.706	1.676	1.757	5.09
56) P	4-Nitrophenol	0.235	0.250	0.287	0.279	0.282	0.289	0.290	0.273	8.03
57)	2,4-Dinitrotol...	0.387	0.429	0.449	0.436	0.442	0.453	0.457	0.436	5.46
58)	Fluorene	1.526	1.594	1.554	1.412	1.427	1.435	1.414	1.480	5.11
59)	2,3,4,6-Tetrac...	0.395	0.416	0.412	0.391	0.398	0.409	0.415	0.405	2.56
60)	Diethylphthalate	1.571	1.640	1.628	1.480	1.485	1.499	1.467	1.539	4.78
61)	4-Chlorophenyl...	0.730	0.775	0.763	0.696	0.714	0.717	0.715	0.730	3.90
62)	4-Nitroaniline	0.321	0.378	0.378	0.359	0.358	0.364	0.364	0.360	5.28
63)	Azobenzene	1.519	1.566	1.533	1.391	1.401	1.423	1.402	1.462	5.08
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.078	0.090	0.098	0.105	0.110	0.114	0.118	0.102	13.86
66) c	n-Nitrosodiphe...	0.597	0.600	0.600	0.554	0.557	0.571	0.558	0.577	3.75
67)	4-Bromophenyl-...	0.210	0.225	0.230	0.213	0.216	0.223	0.221	0.220	3.11
68)	Hexachlorobenzene	0.242	0.257	0.255	0.239	0.241	0.247	0.245	0.247	2.88
69)	Atrazine	0.214	0.216	0.212	0.201	0.192	0.195	0.194	0.203	5.08
70) C	Pentachlorophenol	0.120	0.114	0.133	0.136	0.140	0.147	0.148	0.134	9.70
71)	Phenanthrene	1.104	1.138	1.120	1.025	1.030	1.036	1.004	1.065	5.04
72)	Anthracene	1.071	1.103	1.088	1.004	1.001	1.011	0.973	1.036	4.86
73)	Carbazole	0.974	1.017	1.016	0.926	0.928	0.923	0.896	0.954	5.06
74)	Di-n-butylphth...	1.265	1.292	1.297	1.178	1.157	1.154	1.110	1.208	6.25
75) C	Fluoranthene	1.312	1.420	1.393	1.258	1.247	1.239	1.203	1.296	6.36
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.496	0.497	0.518	0.525	0.502	0.465	0.464	0.495	4.76
78)	Pyrene	1.393	1.473	1.459	1.381	1.358	1.374	1.325	1.395	3.84
79) S	Terphenyl-d14	1.075	1.095	1.093	0.983	0.965	0.958	0.898	1.009	7.71
80)	Butylbenzylpht...	0.603	0.586	0.602	0.565	0.571	0.579	0.565	0.582	2.77
81)	Benzo(a)anthra...	1.394	1.411	1.414	1.307	1.319	1.345	1.303	1.356	3.61
82)	3,3'-Dichlorob...	0.455	0.493	0.497	0.472	0.475	0.473	0.463	0.475	3.11
83)	Chrysene	1.327	1.356	1.361	1.248	1.263	1.267	1.255	1.297	3.82
84)	Bis(2-ethylhex...	0.844	0.864	0.866	0.809	0.834	0.834	0.816	0.838	2.58
85) c	Di-n-octyl pht...	1.389	1.457	1.460	1.379	1.438	1.428	1.397	1.421	2.32

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.484	1.532	1.545	1.481	1.513	1.528	1.544	1.518		1.75
88)	Benzo(b)fluora...	1.218	1.309	1.277	1.231	1.227	1.255	1.265	1.255		2.59
89)	Benzo(k)fluora...	1.315	1.286	1.305	1.209	1.254	1.243	1.226	1.263		3.19
90) C	Benzo(a)pyrene	1.068	1.096	1.097	1.043	1.060	1.067	1.073	1.072		1.81
91)	Dibenzo(a,h)an...	1.198	1.271	1.262	1.203	1.234	1.242	1.248	1.237		2.25
92)	Benzo(g,h,i)pe...	1.235	1.287	1.273	1.209	1.238	1.248	1.258	1.250		2.07

(#) = Out of Range