

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG013020.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jan 30 16:05:09 2020
 Response Via : Initial Calibration

Calibration Files

10 =BG044243.D 20 =BG044244.D 40 =BG044245.D 50 =BG044246.D 60 =BG044247.D 80 =BG044248.D 100 =BG044249.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.566	0.535	0.527	0.517	0.492	0.470	0.457	0.509	7.54
3)	Pyridine	1.544	1.547	1.527	1.321	1.249	1.166	1.141	1.357	13.33
4)	n-Nitrosodimet...	0.610	0.592	0.575	0.577	0.553	0.546	0.515	0.567	5.59
5) S	2-Fluorophenol	1.237	1.235	1.172	1.149	1.101	1.063	0.976	1.133	8.35
6)	Aniline	2.015	1.990	1.975	1.907	1.848	1.822	1.666	1.889	6.47
7) S	Phenol-d6	1.659	1.645	1.576	1.551	1.476	1.435	1.310	1.522	8.14
8)	2-Chlorophenol	1.367	1.340	1.297	1.252	1.209	1.170	1.084	1.245	7.99
9)	Benzaldehyde	0.994	0.966	0.852	0.797	0.725		0.867		13.07
10) C	Phenol	1.619	1.610	1.566	1.535	1.473	1.416	1.322	1.506	7.23
11)	bis(2-Chloroet...	1.423	1.381	1.328	1.298	1.240	1.222	1.121	1.288	7.96
12)	1,3-Dichlorobe...	1.656	1.613	1.516	1.502	1.446	1.389	1.287	1.487	8.53
13) C	1,4-Dichlorobe...	1.635	1.593	1.520	1.479	1.416	1.382	1.284	1.473	8.33
14)	1,2-Dichlorobe...	1.545	1.519	1.442	1.402	1.337	1.303	1.198	1.392	8.84
15)	Benzyl Alcohol	1.077	1.107	1.128	1.108	1.073	1.071	0.979	1.077	4.49
16)	2,2'-oxybis(1-...	1.894	1.827	1.807	1.764	1.688	1.671	1.549	1.743	6.64
17)	2-Methylphenol	1.142	1.126	1.112	1.101	1.053	1.029	0.958	1.075	6.05
18)	Hexachloroethane	0.602	0.594	0.562	0.558	0.538	0.523	0.492	0.553	7.00
19) P	n-Nitroso-di-n...	1.092	1.077	1.053	1.030	0.983	0.975	0.889	1.014	6.96
20)	3+4-Methylphenols	1.544	1.543	1.555	1.508	1.463	1.435	1.318	1.481	5.72
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.521	0.513	0.486	0.500	0.480	0.460	0.445	0.487	5.66
23) S	Nitrobenzene-d5	0.371	0.372	0.355	0.364	0.352	0.338	0.328	0.354	4.73
24)	Nitrobenzene	0.362	0.358	0.342	0.358	0.344	0.332	0.324	0.346	4.16
25)	Isophorone	0.685	0.679	0.658	0.673	0.657	0.640	0.630	0.660	3.10
26) C	2-Nitrophenol	0.161	0.173	0.182	0.190	0.189	0.183	0.179	0.179	5.49
27)	2,4-Dimethylph...	0.256	0.253	0.255	0.262	0.256	0.248	0.243	0.253	2.42
28)	bis(2-Chloroet...	0.465	0.457	0.443	0.452	0.436	0.419	0.411	0.440	4.49
29) C	2,4-Dichloroph...	0.303	0.309	0.307	0.316	0.311	0.302	0.296	0.306	2.12
30)	1,2,4-Trichlor...	0.370	0.360	0.349	0.360	0.353	0.335	0.331	0.351	3.98
31)	Naphthalene	1.073	1.026	0.967	0.989	0.949	0.910	0.877	0.970	6.91
32)	Benzoic acid	0.020	0.050	0.133	0.161	0.178	0.194	0.209	0.135	54.10
33)	4-Chloroaniline	0.452	0.450	0.439	0.451	0.440	0.431	0.427	0.441	2.32
34) C	Hexachlorobuta...	0.229	0.219	0.217	0.222	0.218	0.206	0.203	0.216	4.19
35)	Caprolactam	0.106	0.107	0.111	0.116	0.111	0.116	0.117	0.112	3.96
36) C	4-Chloro-3-met...	0.329	0.320	0.317	0.330	0.321	0.315	0.315	0.321	1.94
37)	2-Methylnaphth...	0.785	0.759	0.716	0.733	0.708	0.681	0.661	0.720	5.94
38)	1-Methylnaphth...	0.740	0.709	0.678	0.688	0.669	0.645	0.626	0.679	5.66

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.635	0.628	0.603	0.611	0.598	0.565	0.548	0.598	5.32	
41) P	Hexachlorocycl...	0.240	0.263	0.298	0.310	0.313	0.294	0.292	0.287	9.23	
42) S	2,4,6-Tribromo...	0.226	0.233	0.231	0.244	0.239	0.238	0.233	0.235	2.54	
43) C	2,4,6-Trichlor...	0.373	0.384	0.391	0.401	0.398	0.383	0.378	0.387	2.71	
44)	2,4,5-Trichlor...	0.366	0.382	0.400	0.417	0.411	0.397	0.391	0.395	4.38	
45) S	2-Fluorobiphenyl	1.424	1.356	1.207	1.204	1.143	1.051	0.975	1.194	13.28	
46)	1,1'-Biphenyl	1.627	1.548	1.442	1.478	1.414	1.328	1.261	1.443	8.64	
47)	2-Chloronaphth...	1.268	1.230	1.139	1.170	1.131	1.075	1.024	1.148	7.35	
48)	2-Nitroaniline	0.324	0.343	0.335	0.354	0.340	0.341	0.334	0.339	2.70	
49)	Acenaphthylene	1.880	1.817	1.683	1.718	1.649	1.559	1.481	1.684	8.23	
50)	Dimethylphthalate	1.618	1.531	1.424	1.463	1.392	1.350	1.286	1.438	7.78	
51)	2,6-Dinitrotol...	0.337	0.325	0.314	0.327	0.319	0.315	0.308	0.321	2.96	
52) C	Acenaphthene	1.182	1.162	1.078	1.116	1.072	1.037	0.992	1.091	6.18	
53)	3-Nitroaniline	0.344	0.360	0.351	0.370	0.358	0.352	0.349	0.355	2.40	
54) P	2,4-Dinitrophenol	0.084	0.120	0.164	0.179	0.182	0.190	0.195	0.159	26.13	
55)	Dibenzofuran	1.904	1.799	1.645	1.671	1.593	1.523	1.432	1.652	9.69	
56) P	4-Nitrophenol	0.205	0.245	0.262	0.280	0.270	0.279	0.278	0.260	10.53	
57)	2,4-Dinitrotol...	0.447	0.456	0.439	0.466	0.447	0.449	0.442	0.449	2.02	
58)	Fluorene	1.479	1.411	1.286	1.319	1.259	1.208	1.148	1.301	8.77	
59)	2,3,4,6-Tetrac...	0.350	0.341	0.355	0.370	0.364	0.364	0.354	0.357	2.75	
60)	Diethylphthalate	1.589	1.531	1.411	1.463	1.382	1.354	1.297	1.433	7.13	
61)	4-Chlorophenyl...	0.770	0.745	0.699	0.716	0.692	0.672	0.647	0.706	5.98	
62)	4-Nitroaniline	0.351	0.359	0.343	0.365	0.353	0.356	0.353	0.354	1.96	
63)	Azobenzene	1.381	1.337	1.243	1.276	1.224	1.187	1.139	1.256	6.67	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.088	0.103	0.113	0.118	0.118	0.116	0.117	0.110	9.99	
66) c	n-Nitrosodiphe...	0.608	0.599	0.567	0.573	0.557	0.524	0.496	0.560	7.05	
67)	4-Bromophenyl-...	0.225	0.224	0.220	0.224	0.220	0.210	0.202	0.218	3.94	
68)	Hexachlorobenzene	0.262	0.250	0.245	0.251	0.244	0.231	0.226	0.244	5.08	
69)	Atrazine	0.210	0.213	0.198	0.201	0.190	0.172	0.161	0.192	10.01	
70) C	Pentachlorophenol	0.076	0.100	0.121	0.125	0.127	0.120	0.124	0.113	16.77	
71)	Phenanthrene	1.109	1.076	0.976	0.986	0.940	0.872	0.820	0.968	10.67	
72)	Anthracene	1.085	1.064	0.963	0.983	0.929	0.869	0.808	0.957	10.38	
73)	Carbazole	0.970	0.980	0.892	0.909	0.857	0.805	0.766	0.883	9.00	
74)	Di-n-butylphth...	1.220	1.228	1.125	1.134	1.054	0.970	0.904	1.091	11.20	
75) C	Fluoranthene	1.282	1.260	1.141	1.148	1.073	1.004	0.934	1.120	11.37	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.533	0.617	0.630	0.599	0.560	0.463	0.482	0.555	11.78	
78)	Pyrene	1.520	1.419	1.309	1.305	1.247	1.146	1.044	1.284	12.43	
79) S	Terphenyl-d14	1.148	1.063	0.922	0.900	0.828		0.972		13.39	
80)	Butylbenzylpht...	0.603	0.604	0.601	0.617	0.590	0.556	0.528	0.585	5.46	
81)	Benzo(a)anthra...	1.390	1.332	1.250	1.257	1.207	1.133	1.059	1.233	9.15	
82)	3,3'-Dichlorob...	0.492	0.499	0.501	0.503	0.477	0.449	0.429	0.478	6.06	
83)	Chrysene	1.357	1.296	1.214	1.213	1.163	1.084	1.013	1.191	9.91	
84)	Bis(2-ethylhex...	0.894	0.886	0.825	0.828	0.786	0.735	0.686	0.806	9.45	
85) c	Di-n-octyl pht...	1.509	1.494	1.436	1.453	1.362	1.304	1.199	1.394	8.05	
86)	Indeno(1,2,3-c...	1.573	1.591	1.547	1.595	1.527	1.538	1.509	1.554	2.11	

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87) I	Perylene-d12										
88)	Benzo(b)fluora...	1.219	1.228	1.155	1.190	1.161	1.076	1.038	1.152	6.20	
89)	Benzo(k)fluora...	1.245	1.212	1.145	1.141	1.100	1.052	0.967	1.123	8.41	
90) C	Benzo(a)pyrene	1.138	1.150	1.103	1.127	1.090	1.035	0.985	1.090	5.47	
91)	Dibenzo(a,h)an...	1.107	1.135	1.076	1.110	1.074	1.037	1.010	1.078	4.05	
92)	Benzo(g,h,i)pe...	1.110	1.124	1.076	1.113	1.072	1.040	1.022	1.080	3.58	

(#) = Out of Range