

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG092519.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Sep 25 15:35:52 2019
 Response Via : Initial Calibration

Calibration Files

10 =BG042922.D 20 =BG042923.D 40 =BG042924.D 50 =BG042925.D 60 =BG042926.D 80 =BG042927.D 100 =BG042928.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.485	0.453	0.428	0.489	0.496	0.466	0.453	0.467	5.18
3)	Pyridine	1.279	1.276	1.297	1.438	1.385	1.284	1.240	1.314	5.36
4)	n-Nitrosodimet...	0.548	0.634	0.627	0.675	0.653	0.653	0.633	0.632	6.38
5) S	2-Fluorophenol	1.087	1.086	1.086	1.176	1.171	1.144	1.096	1.121	3.70
6)	Aniline	1.912	1.995	1.929	2.019	1.965	1.937	1.879	1.948	2.49
7) S	Phenol-d6	1.583	1.653	1.608	1.669	1.627	1.606	1.551	1.614	2.51
8)	2-Chlorophenol	1.174	1.189	1.158	1.193	1.177	1.157	1.133	1.169	1.78
9)	Benzaldehyde	1.099	1.049	1.059	0.884	0.840			0.986	11.77
10) C	Phenol	1.435	1.500	1.465	1.564	1.498	1.461	1.441	1.481	2.99
11)	bis(2-Chloroet...	1.172	1.117	1.126	1.191	1.174	1.137	1.102	1.146	2.94
12)	1,3-Dichlorobe...	1.560	1.494	1.456	1.519	1.505	1.455	1.446	1.491	2.77
13) C	1,4-Dichlorobe...	1.536	1.501	1.454	1.522	1.491	1.473	1.428	1.486	2.56
14)	1,2-Dichlorobe...	1.474	1.463	1.373	1.441	1.403	1.386	1.364	1.415	3.13
15)	Benzyl Alcohol	1.115	1.196	1.226	1.259	1.224	1.239	1.235	1.213	3.90
16)	2,2'-oxybis(1-...	2.390	2.348	2.180	2.217	2.154	2.095	2.018	2.200	6.01
17)	2-Methylphenol	1.036	1.017	1.053	1.067	1.050	1.036	0.994	1.036	2.36
18)	Hexachloroethane	0.618	0.553	0.539	0.559	0.556	0.546	0.547	0.560	4.73
19) P	n-Nitroso-di-n...	1.089	1.097	1.067	1.087	1.042	1.021	1.015	1.060	3.19
20)	3+4-Methylphenols	1.372	1.449	1.425	1.455	1.433	1.424	1.379	1.420	2.27
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.508	0.529	0.559	0.521	0.497	0.498	0.498	0.516	4.38
23) S	Nitrobenzene-d5	0.418	0.417	0.410	0.418	0.401	0.409	0.406	0.411	1.62
24)	Nitrobenzene	0.399	0.396	0.385	0.402	0.387	0.392	0.386	0.392	1.76
25)	Isophorone	0.725	0.745	0.724	0.723	0.699	0.719	0.725	0.723	1.86
26) C	2-Nitrophenol	0.156	0.162	0.163	0.171	0.167	0.173	0.177	0.167	4.31
27)	2,4-Dimethylph...	0.255	0.260	0.250	0.264	0.250	0.256	0.261	0.257	2.07
28)	bis(2-Chloroet...	0.422	0.422	0.411	0.417	0.398	0.397	0.403	0.410	2.68
29) C	2,4-Dichloroph...	0.297	0.328	0.322	0.328	0.315	0.321	0.323	0.319	3.35
30)	1,2,4-Trichlor...	0.435	0.423	0.399	0.411	0.407	0.402	0.406	0.412	3.11
31)	Naphthalene	1.057	1.021	0.960	0.988	0.952	0.962	0.951	0.985	4.13
32)	Benzoic acid	0.114	0.157	0.228	0.196	0.193	0.226	0.241	0.194	23.21
33)	4-Chloroaniline	0.418	0.429	0.431	0.427	0.419	0.433	0.434	0.427	1.50
34) C	Hexachlorobuta...	0.330	0.324	0.299	0.305	0.300	0.302	0.301	0.309	4.15
35)	Caprolactam	0.108	0.111	0.113	0.113	0.107	0.117	0.118	0.113	3.72
36) C	4-Chloro-3-met...	0.340	0.350	0.354	0.348	0.337	0.346	0.354	0.347	1.84
37)	2-Methylnaphth...	0.805	0.777	0.746	0.750	0.717	0.731	0.731	0.751	4.06
38)	1-Methylnaphth...	0.769	0.752	0.691	0.707	0.682	0.687	0.688	0.711	4.92

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.767	0.754	0.831	0.742	0.731	0.725	0.714	0.752	5.21	
41) P	Hexachlorocycl...	0.460	0.479	0.467	0.491	0.488	0.484	0.485	0.479	2.38	
42) S	2,4,6-Tribromo...	0.353	0.347	0.328	0.338	0.339	0.350	0.353	0.344	2.70	
43) C	2,4,6-Trichlor...	0.423	0.440	0.428	0.444	0.447	0.450	0.449	0.440	2.38	
44)	2,4,5-Trichlor...	0.434	0.465	0.435	0.459	0.450	0.466	0.464	0.453	3.04	
45) S	2-Fluorobiphenyl	1.499	1.479	1.351	1.389	1.356	1.312	1.271	1.380	6.06	
46)	1,1'-Biphenyl	1.574	1.582	1.621	1.490	1.469	1.448	1.433	1.517	4.89	
47)	2-Chloronaphth...	1.183	1.169	1.102	1.149	1.124	1.118	1.116	1.137	2.65	
48)	2-Nitroaniline	0.344	0.357	0.366	0.389	0.384	0.402	0.405	0.378	6.09	
49)	Acenaphthylene	1.830	1.798	1.676	1.753	1.732	1.709	1.681	1.740	3.34	
50)	Dimethylphthalate	1.609	1.580	1.442	1.467	1.470	1.463	1.458	1.499	4.46	
51)	2,6-Dinitrotol...	0.305	0.321	0.310	0.322	0.319	0.327	0.329	0.319	2.75	
52) C	Acenaphthene	1.244	1.224	1.164	1.114	1.204	1.113	1.091	1.165	5.19	
53)	3-Nitroaniline	0.316	0.324	0.320	0.329	0.335	0.339	0.346	0.330	3.24	
54) P	2,4-Dinitrophenol	0.164	0.171	0.192	0.203	0.210	0.220	0.228	0.198	12.06	
55)	Dibenzofuran	1.880	1.829	1.670	1.702	1.671	1.663	1.645	1.723	5.39	
56) P	4-Nitrophenol	0.204	0.240	0.248	0.257	0.262	0.273	0.275	0.251	9.64	
57)	2,4-Dinitrotol...	0.446	0.479	0.455	0.464	0.469	0.475	0.484	0.467	2.84	
58)	Fluorene	1.592	1.550	1.427	1.440	1.428	1.435	1.424	1.471	4.73	
59)	2,3,4,6-Tetrac...	0.493	0.487	0.467	0.480	0.480	0.486	0.486	0.483	1.71	
60)	Diethylphthalate	1.647	1.592	1.475	1.492	1.490	1.500	1.480	1.525	4.39	
61)	4-Chlorophenyl...	0.968	0.934	0.843	0.860	0.850	0.859	0.861	0.882	5.49	
62)	4-Nitroaniline	0.342	0.360	0.340	0.363	0.361	0.379	0.372	0.360	4.04	
63)	Azobenzene	1.456	1.470	1.350	1.355	1.357	1.373	1.357	1.388	3.73	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.093	0.108	0.115	0.114	0.121	0.119	0.121	0.113	8.75	
66) c	n-Nitrosodiphe...	0.542	0.548	0.531	0.532	0.521	0.515	0.506	0.528	2.84	
67)	4-Bromophenyl-...	0.251	0.263	0.256	0.255	0.244	0.245	0.244	0.251	2.92	
68)	Hexachlorobenzene	0.284	0.288	0.279	0.285	0.273	0.275	0.272	0.279	2.30	
69)	Atrazine	0.238	0.233	0.231	0.222	0.219	0.211	0.203	0.222	5.67	
70) C	Pentachlorophenol	0.137	0.152	0.164	0.169	0.166	0.171	0.170	0.161	7.86	
71)	Phenanthrene	1.049	1.040	0.983	0.983	0.961	0.921	0.896	0.976	5.80	
72)	Anthracene	1.032	1.027	0.984	0.993	0.958	0.926	0.902	0.975	5.03	
73)	Carbazole	0.941	0.942	0.904	0.922	0.906	0.875	0.837	0.904	4.15	
74)	Di-n-butylphth...	1.115	1.117	1.094	1.096	1.095	1.043	0.990	1.078	4.29	
75) C	Fluoranthene	1.438	1.381	1.292	1.304	1.290	1.201	1.134	1.291	7.90	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.538	0.544	0.528	0.519	0.497	0.464	0.415	0.501	9.30	
78)	Pyrene	1.341	1.320	1.209	1.171	1.147	1.108	1.059	1.194	8.77	
79) S	Terphenyl-d14	1.158	0.993	0.952	0.918	0.843	0.767	0.939	14.31		
80)	Butylbenzylpht...	0.424	0.450	0.451	0.473	0.467	0.455	0.451	0.453	3.38	
81)	Benzo(a)anthra...	1.360	1.337	1.240	1.252	1.223	1.175	1.138	1.246	6.43	
82)	3,3'-Dichlorob...	0.497	0.507	0.495	0.493	0.491	0.475	0.464	0.489	2.93	
83)	Chrysene	1.364	1.315	1.196	1.197	1.182	1.134	1.078	1.209	8.20	
84)	Bis(2-ethylhex...	0.640	0.648	0.634	0.660	0.659	0.641	0.630	0.645	1.83	
85) c	Di-n-octyl pht...	1.049	1.080	1.043	1.077	1.076	1.037	1.018	1.054	2.23	
86)	Indeno(1,2,3-c...	1.523	1.524	1.475	1.511	1.519	1.497	1.491	1.506	1.24	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.187	1.177	1.118	1.148	1.120	1.103	1.068	1.132	3.71
89)	Benzo(k)fluora...	1.218	1.205	1.111	1.128	1.064	1.054	1.056	1.120	6.17
90) C	Benzo(a)pyrene	1.113	1.117	1.052	1.079	1.052	1.041	1.021	1.068	3.41
91)	Dibenzo(a,h)an...	1.119	1.142	1.077	1.108	1.079	1.074	1.065	1.095	2.60
92)	Benzo(g,h,i)pe...	1.103	1.084	1.038	1.070	1.045	1.043	1.043	1.061	2.39

(#) = Out of Range