

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG092119.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Sep 23 06:01:34 2019
 Response Via : Initial Calibration

Calibration Files

10 =BG042905.D 20 =BG042906.D 40 =BG042907.D 50 =BG042908.D 60 =BG042909.D 80 =BG042910.D 100 =BG042911.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.504	0.503	0.455	0.489	0.462	0.477	0.466	0.479	4.09
3)	Pyridine	1.287	1.386	1.371	1.456	1.428	1.422	1.419	1.395	3.97
4)	n-Nitrosodimet...	0.638	0.630	0.640	0.656	0.661	0.660	0.642	0.647	1.92
5) S	2-Fluorophenol	1.139	1.179	1.150	1.153	1.166	1.150	1.138	1.154	1.28
6)	Aniline	1.961	2.085	2.011	2.063	2.049	2.034	2.014	2.031	1.99
7) S	Phenol-d6	1.667	1.722	1.629	1.695	1.682	1.635	1.627	1.665	2.19
8)	2-Chlorophenol	1.179	1.220	1.150	1.201	1.185	1.172	1.162	1.181	1.99
9)	Benzaldehyde	1.109	1.186	1.120	0.999	0.925	0.880		1.037	11.66
10) C	Phenol	1.541	1.608	1.531	1.567	1.553	1.545	1.520	1.552	1.86
11)	bis(2-Chloroet...	1.207	1.236	1.191	1.224	1.226	1.196	1.191	1.210	1.52
12)	1,3-Dichlorobe...	1.561	1.556	1.455	1.481	1.482	1.451	1.451	1.491	3.21
13) C	1,4-Dichlorobe...	1.600	1.545	1.469	1.481	1.483	1.461	1.454	1.499	3.58
14)	1,2-Dichlorobe...	1.482	1.503	1.373	1.423	1.391	1.398	1.390	1.423	3.53
15)	Benzyl Alcohol	1.134	1.235	1.252	1.275	1.285	1.307	1.277	1.252	4.54
16)	2,2'-oxybis(1-...	2.475	2.499	2.301	2.341	2.307	2.301	2.236	2.351	4.17
17)	2-Methylphenol	1.072	1.067	1.050	1.101	1.067	1.067	1.081	1.072	1.47
18)	Hexachloroethane	0.537	0.552	0.542	0.550	0.559	0.553	0.551	0.549	1.33
19) P	n-Nitroso-di-n...	1.050	1.150	1.102	1.141	1.117	1.114	1.103	1.111	2.92
20)	3+4-Methylphenols	1.377	1.484	1.451	1.506	1.514	1.489	1.486	1.472	3.17
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.539	0.521	0.559	0.520	0.506	0.509	0.498	0.522	4.00
23) S	Nitrobenzene-d5	0.406	0.415	0.408	0.418	0.408	0.414	0.402	0.410	1.38
24)	Nitrobenzene	0.394	0.406	0.387	0.405	0.402	0.399	0.389	0.397	1.92
25)	Isophorone	0.729	0.744	0.728	0.742	0.723	0.739	0.722	0.732	1.26
26) C	2-Nitrophenol	0.147	0.152	0.160	0.170	0.169	0.175	0.174	0.164	6.75
27)	2,4-Dimethylph...	0.253	0.253	0.254	0.258	0.253	0.263	0.255	0.256	1.51
28)	bis(2-Chloroet...	0.436	0.442	0.418	0.426	0.414	0.417	0.407	0.423	2.95
29) C	2,4-Dichloroph...	0.305	0.308	0.305	0.318	0.313	0.320	0.313	0.312	1.91
30)	1,2,4-Trichlor...	0.417	0.412	0.386	0.399	0.391	0.394	0.390	0.398	2.94
31)	Naphthalene	1.033	1.024	0.978	0.981	0.953	0.953	0.922	0.978	4.05
32)	Benzoic acid	0.149	0.164	0.219	0.200	0.206	0.227	0.225	0.199	15.52
33)	4-Chloroaniline	0.430	0.446	0.435	0.441	0.437	0.433	0.426	0.435	1.57
34) C	Hexachlorobuta...	0.297	0.298	0.282	0.287	0.282	0.285	0.282	0.287	2.43
35)	Caprolactam	0.107	0.109	0.112	0.116	0.112	0.115	0.115	0.112	3.02
36) C	4-Chloro-3-met...	0.339	0.348	0.347	0.352	0.344	0.346	0.339	0.345	1.35
37)	2-Methylnaphth...	0.787	0.766	0.732	0.756	0.724	0.729	0.710	0.744	3.66
38)	1-Methylnaphth...	0.752	0.728	0.692	0.704	0.686	0.689	0.667	0.702	4.11

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.771	0.761	0.833	0.720	0.689	0.706	0.699	0.740	6.95
41) P	Hexachlorocycl...	0.435	0.466	0.443	0.456	0.444	0.466	0.467	0.454	2.91
42) S	2,4,6-Tribromo...	0.306	0.318	0.314	0.320	0.307	0.322	0.320	0.315	2.13
43) C	2,4,6-Trichlor...	0.409	0.431	0.430	0.439	0.430	0.447	0.446	0.433	2.95
44)	2,4,5-Trichlor...	0.424	0.452	0.447	0.457	0.439	0.457	0.453	0.447	2.68
45) S	2-Fluorobiphenyl	1.556	1.496	1.364	1.357	1.291	1.271	1.208	1.363	9.13
46)	1,1'-Biphenyl	1.612	1.590	1.673	1.495	1.437	1.446	1.418	1.524	6.57
47)	2-Chloronaphth...	1.248	1.206	1.130	1.137	1.102	1.125	1.097	1.150	4.90
48)	2-Nitroaniline	0.332	0.377	0.377	0.395	0.395	0.413	0.412	0.386	7.21
49)	Acenaphthylene	1.831	1.855	1.721	1.748	1.681	1.699	1.638	1.739	4.55
50)	Dimethylphthalate	1.554	1.561	1.468	1.470	1.407	1.410	1.375	1.464	4.96
51)	2,6-Dinitrotol...	0.288	0.308	0.308	0.319	0.314	0.324	0.320	0.312	3.85
52) C	Acenaphthene	1.222	1.228	1.184	1.188	1.081	1.087	1.066	1.151	6.11
53)	3-Nitroaniline	0.305	0.317	0.327	0.338	0.325	0.339	0.342	0.328	4.07
54) P	2,4-Dinitrophenol	0.132	0.170	0.183	0.192	0.193	0.206	0.210	0.184	14.50
55)	Dibenzofuran	1.894	1.840	1.689	1.703	1.625	1.633	1.568	1.707	6.96
56) P	4-Nitrophenol	0.204	0.243	0.252	0.257	0.259	0.267	0.265	0.250	8.70
57)	2,4-Dinitrotol...	0.398	0.449	0.435	0.458	0.445	0.454	0.458	0.442	4.79
58)	Fluorene	1.572	1.548	1.445	1.437	1.372	1.385	1.345	1.444	6.04
59)	2,3,4,6-Tetrac...	0.457	0.456	0.451	0.460	0.448	0.467	0.461	0.457	1.41
60)	Diethylphthalate	1.565	1.568	1.484	1.480	1.424	1.422	1.392	1.477	4.72
61)	4-Chlorophenyl...	0.900	0.899	0.854	0.855	0.816	0.839	0.820	0.855	3.97
62)	4-Nitroaniline	0.326	0.351	0.354	0.367	0.357	0.366	0.363	0.355	3.98
63)	Azobenzene	1.528	1.504	1.420	1.434	1.361	1.362	1.326	1.419	5.35
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.089	0.097	0.102	0.110	0.111	0.116	0.118	0.106	10.06
66) c	n-Nitrosodiphe...	0.559	0.555	0.528	0.540	0.530	0.531	0.520	0.538	2.69
67)	4-Bromophenyl-...	0.254	0.247	0.238	0.249	0.244	0.247	0.244	0.246	1.96
68)	Hexachlorobenzene	0.283	0.275	0.262	0.270	0.270	0.270	0.270	0.271	2.43
69)	Atrazine	0.230	0.231	0.219	0.223	0.221	0.218	0.212	0.222	3.02
70) C	Pentachlorophenol	0.133	0.150	0.151	0.162	0.162	0.166	0.169	0.156	8.00
71)	Phenanthrene	1.073	1.041	0.956	0.974	0.944	0.922	0.890	0.971	6.68
72)	Anthracene	1.046	1.042	0.964	0.972	0.941	0.918	0.883	0.966	6.26
73)	Carbazole	0.972	0.975	0.885	0.906	0.877	0.861	0.831	0.901	6.04
74)	Di-n-butylphth...	1.117	1.132	1.054	1.067	1.035	0.987	0.951	1.049	6.21
75) C	Fluoranthene	1.411	1.377	1.224	1.225	1.181	1.121	1.077	1.231	10.07
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.623	0.642	0.577	0.583	0.562	0.450	0.448	0.555	13.94
78)	Pyrene	1.324	1.314	1.208	1.207	1.143	1.107	1.046	1.193	8.64
79) S	Terphenyl-d14	1.164	1.125	0.981	0.941	0.879	0.808		0.983	14.11
80)	Butylbenzylpht...	0.443	0.470	0.456	0.477	0.463	0.462	0.454	0.461	2.43
81)	Benzo(a)anthra...	1.363	1.350	1.233	1.238	1.184	1.157	1.096	1.232	7.93
82)	3,3'-Dichlorob...	0.511	0.519	0.489	0.500	0.485	0.475	0.456	0.491	4.39
83)	Chrysene	1.336	1.298	1.194	1.196	1.144	1.111	1.057	1.191	8.35
84)	Bis(2-ethylhex...	0.654	0.667	0.648	0.666	0.643	0.650	0.631	0.651	1.95
85) c	Di-n-octyl pht...	1.100	1.118	1.078	1.109	1.066	1.062	1.012	1.078	3.36
86)	Indeno(1,2,3-c...	1.528	1.517	1.462	1.495	1.456	1.489	1.449	1.485	2.07

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87) I	Perylene-d12										
88)	Benzo(b)fluora...	1.216	1.234	1.115	1.136	1.115	1.077	1.079	1.139	5.49	
89)	Benzo(k)fluora...	1.204	1.164	1.098	1.098	1.076	1.062	1.000	1.100	6.09	
90) C	Benzo(a)pyrene	1.118	1.133	1.059	1.071	1.066	1.042	1.019	1.073	3.75	
91)	Dibenzo(a,h)an...	1.144	1.125	1.064	1.090	1.077	1.074	1.050	1.089	3.11	
92)	Benzo(g,h,i)pe...	1.089	1.092	1.030	1.052	1.047	1.037	1.028	1.053	2.52	

(#) = Out of Range