

Method Path : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\
 Method File : 8270-BG081919.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Aug 19 13:40:37 2019
 Response Via : Initial Calibration

Calibration Files

10 =BG042320.D 20 =BG042321.D 40 =BG042322.D 50 =BG042323.D 60 =BG042324.D 80 =BG042325.D 100 =BG042326.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.485	0.438	0.413	0.409	0.413	0.409	0.413	0.426	6.59
3)	Pyridine	0.957	1.084	1.141	1.101	1.150	1.127	1.073	1.090	5.99
4)	n-Nitrosodimet...	0.337	0.373	0.386	0.367	0.389	0.382	0.394	0.375	5.11
5) S	2-Fluorophenol	0.977	0.992	1.036	0.973	1.008	0.972	0.952	0.987	2.82
6)	Aniline	1.753	1.825	1.804	1.757	1.797	1.744	1.705	1.769	2.34
7) S	Phenol-d6	1.310	1.366	1.440	1.325	1.356	1.319	1.270	1.341	4.02
8)	2-Chlorophenol	1.213	1.226	1.266	1.189	1.194	1.170	1.143	1.200	3.31
9)	Benzaldehyde	0.863	0.830	0.754	0.659	0.665		0.754	12.31	
10) C	Phenol	1.356	1.382	1.449	1.349	1.367	1.343	1.295	1.363	3.40
11)	bis(2-Chloroet...	1.036	1.104	1.122	1.059	1.098	1.069	1.049	1.077	2.95
12)	1,3-Dichlorobe...	1.566	1.542	1.576	1.502	1.547	1.495	1.463	1.527	2.71
13) C	1,4-Dichlorobe...	1.610	1.573	1.562	1.504	1.541	1.508	1.469	1.538	3.11
14)	1,2-Dichlorobe...	1.513	1.516	1.499	1.447	1.473	1.434	1.395	1.468	3.09
15)	Benzyl Alcohol	0.811	0.895	0.970	0.926	0.952	0.952	0.947	0.922	5.89
16)	2,2'-oxybis(1-...	1.550	1.521	1.540	1.451	1.480	1.440	1.411	1.485	3.62
17)	2-Methylphenol	1.029	1.037	1.040	0.993	1.003	0.984	0.969	1.008	2.75
18)	Hexachloroethane	0.542	0.529	0.539	0.520	0.527	0.524	0.519	0.529	1.68
19) P	n-Nitroso-di-n...	0.849	0.893	0.919	0.851	0.853	0.845	0.825	0.862	3.74
20)	3+4-Methylphenols	1.348	1.430	1.478	1.367	1.411	1.384	1.342	1.394	3.50
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.434	0.439	0.444	0.414	0.424	0.413	0.407	0.425	3.35
23) S	Nitrobenzene-d5	0.283	0.291	0.295	0.275	0.287	0.281	0.279	0.284	2.47
24)	Nitrobenzene	0.294	0.293	0.304	0.281	0.290	0.283	0.284	0.290	2.81
25)	Isophorone	0.573	0.591	0.602	0.548	0.563	0.556	0.547	0.569	3.74
26) C	2-Nitrophenol	0.163	0.176	0.195	0.178	0.183	0.182	0.183	0.180	5.31
27)	2,4-Dimethylph...	0.243	0.252	0.258	0.248	0.252	0.249	0.248	0.250	1.87
28)	bis(2-Chloroet...	0.380	0.376	0.381	0.357	0.365	0.353	0.351	0.366	3.47
29) C	2,4-Dichloroph...	0.328	0.337	0.349	0.322	0.338	0.327	0.323	0.332	2.93
30)	1,2,4-Trichlor...	0.420	0.417	0.418	0.393	0.405	0.395	0.395	0.406	2.95
31)	Naphthalene	0.979	0.966	0.976	0.894	0.920	0.892	0.860	0.927	5.09
32)	Benzoic acid	0.094	0.151	0.170	0.171	0.179	0.191	0.209	0.166	22.05
33)	4-Chloroaniline	0.422	0.432	0.435	0.416	0.428	0.419	0.405	0.423	2.43
34) C	Hexachlorobuta...	0.285	0.273	0.276	0.263	0.272	0.269	0.267	0.272	2.52
35)	Caprolactam	0.104	0.108	0.113	0.102	0.106	0.105	0.102	0.106	3.76
36) C	4-Chloro-3-met...	0.314	0.321	0.336	0.300	0.308	0.304	0.291	0.311	4.82
37)	2-Methylnaphth...	0.784	0.777	0.786	0.717	0.734	0.717	0.685	0.743	5.36

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38)	1-Methylnaphth...	0.759	0.745	0.758	0.679	0.691	0.675	0.647	0.708	6.45
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.663	0.671	0.658	0.622	0.647	0.627	0.626	0.645	3.09
41) P	Hexachlorocycl...	0.215	0.298	0.318	0.338	0.363	0.365	0.389	0.326	17.74
42) S	2,4,6-Tribromo...	0.277	0.275	0.286	0.265	0.273	0.269	0.261	0.272	3.04
43) C	2,4,6-Trichlor...	0.417	0.447	0.436	0.419	0.437	0.433	0.432	0.431	2.43
44)	2,4,5-Trichlor...	0.436	0.444	0.459	0.428	0.457	0.445	0.441	0.444	2.44
45) S	2-Fluorobiphenyl	1.310	1.285	1.247	1.149	1.164	1.097	1.022	1.182	8.83
46)	1,1'-Biphenyl	1.357	1.378	1.360	1.259	1.305	1.254	1.222	1.305	4.73
47)	2-Chloronaphth...	1.165	1.150	1.148	1.081	1.118	1.073	1.051	1.112	3.99
48)	2-Nitroaniline	0.253	0.263	0.269	0.256	0.268	0.267	0.264	0.263	2.39
49)	Acenaphthylene	1.793	1.767	1.793	1.610	1.647	1.581	1.516	1.672	6.71
50)	Dimethylphthalate	1.540	1.507	1.495	1.367	1.406	1.347	1.287	1.421	6.65
51)	2,6-Dinitrotol...	0.343	0.333	0.351	0.320	0.337	0.327	0.318	0.333	3.56
52) C	Acenaphthene	1.070	1.056	1.069	0.993	1.018	0.982	0.953	1.020	4.54
53)	3-Nitroaniline	0.325	0.330	0.336	0.319	0.332	0.328	0.319	0.327	2.04
54) P	2,4-Dinitrophenol	0.097	0.160	0.195	0.192	0.215	0.215	0.220	0.185	23.77
55)	Dibenzofuran	1.816	1.774	1.772	1.606	1.633	1.564	1.466	1.662	7.78
56) P	4-Nitrophenol	0.206	0.217	0.259	0.234	0.245	0.247	0.243	0.236	7.83
57)	2,4-Dinitrotol...	0.457	0.475	0.499	0.451	0.467	0.457	0.448	0.465	3.83
58)	Fluorene	1.500	1.435	1.439	1.292	1.332	1.269	1.196	1.352	8.08
59)	2,3,4,6-Tetrac...	0.462	0.435	0.434	0.420	0.429	0.424	0.416	0.432	3.54
60)	Diethylphthalate	1.518	1.451	1.442	1.326	1.349	1.306	1.232	1.375	7.22
61)	4-Chlorophenyl...	0.874	0.851	0.853	0.782	0.804	0.776	0.743	0.812	5.95
62)	4-Nitroaniline	0.347	0.346	0.366	0.337	0.347	0.342	0.334	0.346	2.97
63)	Azobenzene	1.021	1.002	1.011	0.919	0.951	0.922	0.883	0.958	5.60
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.092	0.116	0.129	0.125	0.129	0.130	0.133	0.122	11.83
66) c	n-Nitrosodiphe...	0.578	0.590	0.584	0.550	0.558	0.539	0.518	0.560	4.67
67)	4-Bromophenyl-...	0.255	0.263	0.261	0.250	0.256	0.249	0.248	0.255	2.29
68)	Hexachlorobenzene	0.276	0.281	0.280	0.268	0.273	0.266	0.264	0.273	2.46
69)	Atrazine	0.222	0.221	0.152	0.195	0.194	0.167		0.192	14.85
70) C	Pentachlorophenol	0.111	0.136	0.148	0.151	0.157	0.155	0.158	0.145	11.60
71)	Phenanthrene	1.092	1.069	1.060	0.970	0.986	0.931	0.865	0.996	8.29
72)	Anthracene	1.082	1.075	1.050	0.972	0.983	0.932	0.861	0.993	8.18
73)	Carbazole	0.957	0.938	0.933	0.861	0.877	0.829	0.782	0.882	7.24
74)	Di-n-butylphth...	1.141	1.110	1.090	1.014	1.023	0.955	0.872	1.029	9.13
75) C	Fluoranthene	1.384	1.315	1.279	1.169	1.177	1.092	0.992	1.201	11.26
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.556	0.578	0.594	0.512	0.517	0.498	0.456	0.530	9.13
78)	Pyrene	1.401	1.356	1.319	1.193	1.201	1.124	1.020	1.231	11.05
79) S	Terphenyl-d14	1.094	1.026	0.937	0.839	0.833	0.749		0.913	14.27
80)	Butylbenzylphth...	0.506	0.509	0.506	0.476	0.487	0.474	0.457	0.488	4.11
81)	Benzo(a)anthra...	1.357	1.320	1.297	1.182	1.218	1.152	1.072	1.228	8.28
82)	3,3'-Dichlorob...	0.510	0.520	0.506	0.476	0.488	0.475	0.448	0.489	5.08

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83)	Chrysene	1.309	1.265	1.249	1.127	1.155	1.106	1.015	1.175	8.83
84)	Bis(2-ethylhex...	0.717	0.726	0.708	0.659	0.679	0.659	0.613	0.680	5.93
85) c	Di-n-octyl pht...	1.194	1.220	1.221	1.137	1.178	1.135	1.035	1.160	5.63
86)	Indeno(1,2,3-c...	1.538	1.586	1.627	1.526	1.601	1.577	1.526	1.569	2.52
87) I	Perylene-d12	-----ISTD-----								
88)	Benzo(b)fluora...	1.163	1.161	1.147	1.061	1.095	1.036	1.032	1.099	5.28
89)	Benzo(k)fluora...	1.185	1.146	1.127	1.053	1.069	1.013	0.929	1.075	8.10
90) C	Benzo(a)pyrene	1.112	1.097	1.095	1.033	1.052	1.008	0.977	1.053	4.80
91)	Dibenzo(a,h)an...	1.082	1.077	1.097	1.029	1.056	1.017	0.998	1.051	3.52
92)	Benzo(g,h,i)pe...	1.067	1.057	1.080	1.018	1.062	1.029	1.016	1.047	2.43

(#) = Out of Range