

Method Path : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\

Method File : 8270-BG051520.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Last Update : Fri May 15 15:45:48 2020

Response Via : Initial Calibration

## Calibration Files

10 =BG045392.D 20 =BG045393.D 40 =BG045394.D 50 =BG045395.D 60 =BG045396.D 80 =BG045397.D 100 =BG045398.D

Compound	10	20	40	50	60	80	100	Avg	%RSD
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1) I	1,4-Dichlorobenzen...	-----	ISTD-----						
2)	1,4-Dioxane	0.553	0.527	0.507	0.480	0.507	0.515	0.464	0.507
3)	Pyridine	1.395	1.422	1.472	1.360	1.456	1.428	1.361	1.413
4)	n-Nitrosodimet...	0.463	0.446	0.471	0.460	0.465	0.482	0.451	0.462
5) S	2-Fluorophenol	1.053	1.067	1.049	0.984	1.036	1.025	0.949	1.023
6)	Aniline	2.010	1.983	1.917	1.818	1.932	1.873	1.777	1.901
7) S	Phenol-d6	1.538	1.478	1.496	1.396	1.499	1.434	1.355	1.457
8)	2-Chlorophenol	1.197	1.171	1.136	1.061	1.152	1.104	1.034	1.122
9)	Benzaldehyde	1.054	1.089	0.990	0.930	0.945	0.888	0.747	0.949
10) C	Phenol	1.580	1.552	1.549	1.433	1.536	1.457	1.400	1.501
11)	bis(2-Chloroet...	1.190	1.231	1.219	1.094	1.197	1.160	1.106	1.171
12)	1,3-Dichlorobe...	1.462	1.384	1.362	1.288	1.368	1.330	1.247	1.349
13) C	1,4-Dichlorobe...	1.422	1.357	1.354	1.273	1.359	1.305	1.247	1.331
14)	1,2-Dichlorobe...	1.384	1.360	1.281	1.205	1.297	1.249	1.184	1.280
15)	Benzyl Alcohol	1.183	1.218	1.230	1.171	1.241	1.214	1.166	1.203
16)	2,2'-oxybis(1...	1.206	1.179	1.113	1.054	1.125	1.080	1.023	1.111
17)	2-Methylphenol	1.165	1.138	1.160	1.091	1.148	1.100	1.064	1.124
18)	Hexachloroethane	0.521	0.536	0.524	0.492	0.517	0.504	0.474	0.510
19) P	n-Nitroso-di-n...	1.087	1.066	1.030	0.939	1.024	0.972	0.934	1.007
20)	3+4-Methylphenols	1.598	1.555	1.578	1.443	1.574	1.497	1.466	1.530
21) I	Naphthalene-d8	-----	ISTD-----						
22)	Acetophenone	0.500	0.489	0.477	0.467	0.475	0.462	0.448	0.474
23) S	Nitrobenzene-d5	0.386	0.371	0.371	0.360	0.368	0.360	0.351	0.367
24)	Nitrobenzene	0.426	0.408	0.387	0.383	0.391	0.383	0.372	0.393
25)	Isophorone	0.756	0.751	0.737	0.703	0.728	0.695	0.687	0.722
26) C	2-Nitrophenol	0.167	0.169	0.169	0.167	0.173	0.167	0.166	0.168
27)	2,4-Dimethylph...	0.264	0.255	0.254	0.240	0.249	0.246	0.237	0.249
28)	bis(2-Chloroet...	0.414	0.391	0.378	0.374	0.377	0.361	0.357	0.379
29) C	2,4-Dichloroph...	0.296	0.300	0.292	0.291	0.304	0.290	0.287	0.294
30)	1,2,4-Trichlor...	0.361	0.356	0.348	0.344	0.348	0.343	0.335	0.348
31)	Naphthalene	1.013	0.973	0.935	0.899	0.933	0.902	0.869	0.932
32)	Benzoic acid	0.078	0.101	0.142	0.160	0.180	0.193	0.194	0.150
33)	4-Chloroaniline	0.395	0.395	0.399	0.384	0.390	0.387	0.379	0.390
34) C	Hexachlorobuta...	0.264	0.253	0.246	0.237	0.246	0.240	0.236	0.246
35)	Caprolactam	0.104	0.120	0.112	0.103	0.108	0.105	0.104	0.108
36) C	4-Chloro-3-met...	0.340	0.342	0.335	0.323	0.333	0.326	0.323	0.332
37)	2-Methylnaphth...	0.732	0.735	0.703	0.679	0.695	0.665	0.653	0.695
38)	1-Methylnaphth...	0.717	0.692	0.667	0.633	0.650	0.624	0.611	0.656

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39) I	Acenaphthene-d10	-----ISTD-----	
40)	1,2,4,5-Tetrac...	0.616 0.544 0.555 0.552 0.555 0.556 0.533 0.559	4.79
41) P	Hexachlorocycl...	0.257 0.277 0.325 0.337 0.346 0.359 0.357 0.322	12.46
42) S	2,4,6-Tribromo...	0.256 0.258 0.262 0.252 0.251 0.260 0.251 0.256	1.73
43) C	2,4,6-Trichlor...	0.395 0.373 0.394 0.381 0.393 0.398 0.382 0.388	2.46
44)	2,4,5-Trichlor...	0.442 0.445 0.452 0.432 0.450 0.453 0.431 0.443	2.04
45) S	2-Fluorobiphenyl	1.324 1.220 1.215 1.144 1.161 1.142 1.048 1.179	7.26
46)	1,1'-Biphenyl	1.322 1.241 1.241 1.209 1.223 1.218 1.148 1.229	4.22
47)	2-Chloronaphth...	1.093 1.010 0.999 0.966 0.983 0.996 0.939 0.998	4.81
48)	2-Nitroaniline	0.306 0.330 0.344 0.326 0.332 0.337 0.324 0.328	3.60
49)	Acenaphthylene	1.701 1.660 1.627 1.566 1.593 1.578 1.495 1.603	4.20
50)	Dimethylphthalate	1.469 1.449 1.425 1.312 1.341 1.338 1.269 1.372	5.52
51)	2,6-Dinitrotol...	0.319 0.313 0.321 0.298 0.305 0.311 0.300 0.310	2.85
52) C	Acenaphthene	1.020 1.080 1.102 1.058 1.088 1.101 1.061 1.073	2.71
53)	3-Nitroaniline	0.309 0.324 0.319 0.307 0.316 0.322 0.305 0.315	2.45
54) P	2,4-Dinitrophenol	0.121 0.153 0.190 0.185 0.199 0.205 0.206 0.180	17.62
55)	Dibenzofuran	1.736 1.656 1.643 1.542 1.551 1.562 1.465 1.593	5.64
56) P	4-Nitrophenol	0.203 0.240 0.255 0.228 0.245 0.256 0.241 0.238	7.70
57)	2,4-Dinitrotol...	0.460 0.462 0.456 0.429 0.444 0.456 0.432 0.448	2.99
58)	Fluorene	1.391 1.381 1.345 1.269 1.286 1.278 1.213 1.309	4.97
59)	2,3,4,6-Tetrac...	0.376 0.391 0.401 0.377 0.390 0.406 0.391 0.390	2.86
60)	Diethylphthalate	1.549 1.522 1.479 1.358 1.387 1.385 1.316 1.428	6.20
61)	4-Chlorophenyl...	0.801 0.749 0.767 0.722 0.744 0.743 0.717 0.749	3.80
62)	4-Nitroaniline	0.319 0.339 0.343 0.320 0.328 0.334 0.317 0.329	3.11
63)	Azobenzene	1.432 1.378 1.369 1.278 1.313 1.316 1.234 1.332	5.02
64) I	Phenanthrene-d10	-----ISTD-----	
65)	4,6-Dinitro-2...	0.107 0.115 0.120 0.116 0.119 0.121 0.117 0.116	3.94
66) c	n-Nitrosodiphe...	0.520 0.503 0.477 0.465 0.478 0.468 0.450 0.480	4.98
67)	4-Bromophenyl...	0.226 0.218 0.217 0.214 0.216 0.215 0.211 0.217	2.23
68)	Hexachlorobenzene	0.242 0.231 0.227 0.218 0.228 0.222 0.218 0.227	3.73
69)	Atrazine	0.216 0.209 0.201 0.192 0.194 0.192 0.182 0.198	5.76
70) C	Pentachlorophenol	0.091 0.105 0.121 0.123 0.125 0.130 0.128 0.118	12.26
71)	Phenanthrene	0.961 0.927 0.888 0.842 0.862 0.841 0.791 0.873	6.56
72)	Anthracene	0.975 0.944 0.890 0.846 0.859 0.841 0.783 0.877	7.46
73)	Carbazole	0.925 0.928 0.876 0.828 0.833 0.829 0.764 0.855	6.90
74)	Di-n-butylphth...	1.147 1.147 1.068 0.982 0.995 0.952 0.889 1.026	9.59
75) C	Fluoranthene	1.244 1.251 1.156 1.059 1.076 1.042 0.946 1.111	10.09
76) I	Chrysene-d12	-----ISTD-----	
77)	Benzidine	0.669 0.614 0.586 0.545 0.596 0.486 0.437 0.562	14.11
78)	Pyrene	1.210 1.259 1.175 1.127 1.138 1.055 1.018 1.140	7.37
79) S	Terphenyl-d14	0.976 0.976 0.891 0.844 0.842 0.761 0.714 0.858	11.61
80)	Butylbenzylphth...	0.530 0.515 0.509 0.483 0.492 0.469 0.447 0.492	5.82
81)	Benzo(a)anthra...	1.228 1.192 1.120 1.084 1.105 1.060 1.011 1.114	6.72
82)	3,3'-Dichlorob...	0.466 0.453 0.443 0.427 0.441 0.425 0.404 0.437	4.67
83)	Chrysene	1.175 1.128 1.098 1.053 1.064 1.018 0.962 1.071	6.60
84)	Bis(2-ethylhex...	0.733 0.704 0.686 0.658 0.679 0.652 0.624 0.676	5.28
85) c	Di-n-octyl pht...	1.247 1.197 1.171 1.143 1.180 1.130 1.065 1.162	4.93
86)	Indeno(1,2,3-c...	1.403 1.396 1.388 1.381 1.449 1.421 1.368 1.401	1.93

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87) I	Perylene-d12	-----ISTD-----								
88)	Benzo(b)fluora...	1.150	1.076	1.095	1.057	1.072	1.055	1.003	1.073	4.15
89)	Benzo(k)fluora...	1.084	1.087	1.016	0.995	0.991	0.959	0.923	1.008	6.02
90) C	Benzo(a)pyrene	1.068	1.030	1.006	0.984	0.994	0.982	0.928	0.999	4.36
91)	Dibenzo(a,h)an...	1.100	1.019	0.996	0.983	0.996	0.986	0.947	1.004	4.75
92)	Benzo(g,h,i)pe...	1.067	1.020	1.004	0.982	1.002	0.998	0.955	1.004	3.46

(#) = Out of Range