

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040721\  
 Data File : BG048619.D  
 Acq On : 7 Apr 2021 16:19  
 Operator : CG/JU  
 Sample : M1951-02MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SW-1MS

Manual Integrations  
 APPROVED

mohammad  
 4/8/2021 1:35:33 PM

Quant Time: Apr 07 17:32:07 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG033021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 07 10:06:00 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.088  | 152  | 27085    | 20.00  | ng    | #-0.01   |
| 21) Naphthalene-d8            | 10.920 | 136  | 108467   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.745 | 164  | 72681    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.500 | 188  | 177872   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.801 | 240  | 171545   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.138 | 264  | 168759   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.638  | 112  | 123725   | 80.65  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.242  | 99   | 111082   | 49.93  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.263  | 82   | 211580   | 94.44  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.237 | 330  | 151602   | 158.68 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.364 | 172  | 496957   | 101.63 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.109 | 244  | 838201   | 89.36  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.499  | 88   | 11457    | 18.56  | ng    | 100      |
| 3) Pyridine                   | 3.916  | 79   | 20482    | 13.24  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.822  | 42   | 22747    | 22.50  | ng    | 98       |
| 6) Aniline                    | 7.406  | 93   | 43491    | 17.02  | ng    | 100      |
| 8) 2-Chlorophenol             | 7.653  | 128  | 76254    | 43.98  | ng    | 94       |
| 9) Benzaldehyde               | 7.218  | 77   | 68191    | 47.95  | ng    | 97       |
| 10) Phenol                    | 7.271  | 94   | 50268    | 22.57  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.500  | 93   | 72846    | 47.13  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.982  | 146  | 92489    | 47.36  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.129  | 146  | 92685    | 47.07  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.446  | 146  | 92312    | 48.95  | ng    | 94       |
| 15) Benzyl Alcohol            | 8.328  | 79   | 58304    | 31.99  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.611  | 45   | 69644    | 46.71  | ng    | 92       |
| 17) 2-Methylphenol            | 8.534  | 107  | 58827    | 40.82  | ng    | 93       |
| 18) Hexachloroethane          | 9.186  | 117  | 35127    | 48.01  | ng    | # 77     |
| 19) n-Nitroso-di-n-propyla... | 8.898  | 70   | 68966    | 44.97  | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.863  | 107  | 76135    | 38.06  | ng    | 91       |
| 22) Acetophenone              | 8.916  | 105  | 134842   | 48.22  | ng    | 93       |
| 24) Nitrobenzene              | 9.304  | 77   | 122278   | 55.61  | ng    | 98       |
| 25) Isophorone                | 9.833  | 82   | 193334   | 46.73  | ng    | 97       |
| 26) 2-Nitrophenol             | 10.021 | 139  | 51721    | 51.20  | ng    | # 92     |
| 27) 2,4-Dimethylphenol        | 10.079 | 122  | 81270    | 51.13  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.314 | 93   | 100546   | 53.02  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.561 | 162  | 87595    | 48.67  | ng    | 93       |
| 30) 1,2,4-Trichlorobenzene    | 10.779 | 180  | 102842   | 49.72  | ng    | 99       |
| 31) Naphthalene               | 10.967 | 128  | 268756   | 48.19  | ng    | 98       |
| 32) Benzoic acid              | 10.185 | 122  | 20405    | 16.69  | ng    | 93       |
| 33) 4-Chloroaniline           | 11.072 | 127  | 36982    | 15.71  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.249 | 225  | 71210    | 47.15  | ng    | # 86     |
| 35) Caprolactam               | 11.848 | 113  | 5295m    | 8.06   | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.195 | 107  | 94873    | 46.94  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.571 | 142  | 212392   | 47.84  | ng    | 93       |
| 38) 1-Methylnaphthalene       | 12.794 | 142  | 197388   | 46.62  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.941 | 216  | 123959   | 55.02  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.917 | 237  | 167612   | 128.42 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 13.176 | 196  | 85304    | 55.08  | ng    | 97       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.246 | 196  | 90605    | 54.69  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.575 | 154  | 283892   | 53.46  | ng    | 94       |
| 47) 2-Chloronaphthalene       | 13.622 | 162  | 211913   | 52.38  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.822 | 65   | 62780    | 48.81  | ng    | 86       |
| 49) Acenaphthylene            | 14.468 | 152  | 349309   | 55.07  | ng    | 98       |
| 50) Dimethylphthalate         | 14.192 | 163  | 306313   | 56.78  | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.316 | 165  | 65278    | 52.89  | ng    | 92       |
| 52) Acenaphthene              | 14.809 | 154  | 223976   | 48.82  | ng    | 98       |
| 53) 3-Nitroaniline            | 14.639 | 138  | 16502    | 13.64  | ng    | # 75     |
| 54) 2,4-Dinitrophenol         | 14.850 | 184  | 88211    | 127.11 | ng    | 94       |
| 55) Dibenzofuran              | 15.144 | 168  | 336179   | 50.17  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.956 | 139  | 45625    | 46.70  | ng    | 87       |
| 57) 2,4-Dinitrotoluene        | 15.103 | 165  | 95433    | 54.67  | ng    | 97       |
| 58) Fluorene                  | 15.796 | 166  | 285016   | 50.82  | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.367 | 232  | 87844m   | 54.35  | ng    |          |
| 60) Diethylphthalate          | 15.555 | 149  | 304064   | 54.86  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.784 | 204  | 160475   | 53.18  | ng    | 100      |
| 62) 4-Nitroaniline            | 15.808 | 138  | 22766    | 17.98  | ng    | 98       |
| 63) Azobenzene                | 16.078 | 77   | 257374   | 47.20  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.867 | 198  | 59816    | 55.97  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.996 | 169  | 256912   | 50.77  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.683 | 248  | 103634   | 52.56  | ng    | 92       |
| 68) Hexachlorobenzene         | 16.801 | 284  | 109567   | 53.22  | ng    | 98       |
| 69) Atrazine                  | 16.948 | 200  | 115079   | 55.76  | ng    | 96       |
| 70) Pentachlorophenol         | 17.148 | 266  | 144019   | 112.54 | ng    | 93       |
| 71) Phenanthrene              | 17.541 | 178  | 464088   | 50.26  | ng    | 99       |
| 72) Anthracene                | 17.635 | 178  | 471170   | 51.21  | ng    | 98       |
| 73) Carbazole                 | 17.906 | 167  | 423940   | 48.58  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.452 | 149  | 498799   | 51.17  | ng    | 98       |
| 75) Fluoranthene              | 19.551 | 202  | 562993   | 49.18  | ng    | 96       |
| 77) Benzidine                 | 19.727 | 184  | 19463    | 3.35   | ng    | 98       |
| 78) Pyrene                    | 19.915 | 202  | 558488   | 47.35  | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.796 | 149  | 226599   | 51.72  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.777 | 228  | 567556   | 49.52  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.689 | 252  | 41502    | 10.54  | ng    | 95       |
| 83) Chrysene                  | 21.848 | 228  | 526770   | 48.16  | ng    | 94       |
| 84) Bis(2-ethylhexyl)phtha... | 21.672 | 149  | 311905   | 51.11  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.923 | 149  | 542864   | 51.03  | ng    | # 100    |
| 87) Indeno(1,2,3-cd)pyrene    | 28.987 | 276  | 622271   | 52.60  | ng    | # 90     |
| 88) Benzo(b)fluoranthene      | 24.081 | 252  | 577015   | 52.65  | ng    | # 98     |
| 89) Benzo(k)fluoranthene      | 24.151 | 252  | 518722   | 49.23  | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.985 | 252  | 494053   | 48.91  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.063 | 278  | 519143   | 51.41  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.191 | 276  | 490535   | 49.60  | ng    | 94       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

