

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081321\  
 Data File : BG049840.D  
 Acq On : 13 Aug 2021 18:41  
 Operator : CG/JU  
 Sample : M3343-07MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20210558-COM-31MSD

Manual Integrations  
 APPROVED

mohammad  
 8/16/2021 12:21:54 PM

Quant Time: Aug 14 02:30:47 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 03 15:15:33 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.032  | 152  | 28708    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.851 | 136  | 114398   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.687 | 164  | 80718    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.443 | 188  | 183616   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.725 | 240  | 164734   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 25.003 | 264  | 169261   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.588  | 112  | 139695   | 87.229 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.198  | 99   | 196742   | 81.157 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.201  | 82   | 133044   | 51.464 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.180 | 330  | 102160   | 86.106 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.301 | 172  | 255632   | 46.082 | ng    | -0.01    |
| 79) Terphenyl-d14             | 20.045 | 244  | 425747   | 46.939 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.438  | 88   | 23194    | 33.143 | ng    | 95       |
| 3) Pyridine                   | 3.849  | 79   | 55927    | 29.154 | ng    | # 83     |
| 4) n-Nitrosodimethylamine     | 3.767  | 42   | 39938    | 38.718 | ng    | # 84     |
| 6) Aniline                    | 7.350  | 93   | 74558    | 29.019 | ng    | # 94     |
| 8) 2-Chlorophenol             | 7.597  | 128  | 77286    | 44.264 | ng    | 98       |
| 9) Benzaldehyde               | 7.168  | 77   | 60993    | 37.707 | ng    | 95       |
| 10) Phenol                    | 7.227  | 94   | 101160   | 43.067 | ng    | 91       |
| 11) bis(2-Chloroethyl)ether   | 7.444  | 93   | 64696    | 40.792 | ng    | 89       |
| 12) 1,3-Dichlorobenzene       | 7.920  | 146  | 80461    | 40.236 | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 8.067  | 146  | 81997    | 40.509 | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.390  | 146  | 80095    | 41.769 | ng    | 97       |
| 15) Benzyl Alcohol            | 8.273  | 79   | 85009    | 41.755 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.555  | 45   | 69821    | 38.745 | ng    | 98       |
| 17) 2-Methylphenol            | 8.484  | 107  | 70138    | 45.344 | ng    | 96       |
| 18) Hexachloroethane          | 9.118  | 117  | 32495    | 41.761 | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 8.837  | 70   | 62656    | 38.623 | ng    | # 85     |
| 20) 3+4-Methylphenols         | 8.813  | 107  | 94521    | 43.511 | ng    | 97       |
| 22) Acetophenone              | 8.860  | 105  | 122351   | 39.367 | ng    | # 96     |
| 24) Nitrobenzene              | 9.248  | 77   | 99611    | 36.516 | ng    | 99       |
| 25) Isophorone                | 9.771  | 82   | 164070   | 35.566 | ng    | 99       |
| 26) 2-Nitrophenol             | 9.964  | 139  | 43343    | 41.634 | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 10.023 | 122  | 73437    | 47.727 | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.246 | 93   | 88441    | 43.826 | ng    | # 90     |
| 29) 2,4-Dichlorophenol        | 10.505 | 162  | 78104    | 41.364 | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 10.710 | 180  | 82148    | 39.513 | ng    | 94       |
| 31) Naphthalene               | 10.904 | 128  | 232414   | 38.792 | ng    | 99       |
| 32) Benzoic acid              | 10.141 | 122  | 17631m   | 19.501 | ng    |          |
| 33) 4-Chloroaniline           | 11.010 | 127  | 55254    | 23.360 | ng    | 92       |
| 34) Hexachlorobutadiene       | 11.180 | 225  | 57995    | 38.387 | ng    | 94       |
| 35) Caprolactam               | 11.797 | 113  | 27486m   | 47.113 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.144 | 107  | 95006    | 43.560 | ng    | 95       |
| 37) 2-Methylnaphthalene       | 12.514 | 142  | 173852   | 38.520 | ng    | 94       |
| 38) 1-Methylnaphthalene       | 12.731 | 142  | 158032   | 37.256 | ng    | 92       |
| 40) 1,2,4,5-Tetrachloroben... | 12.878 | 216  | 92307    | 38.812 | ng    | 95       |
| 41) Hexachlorocyclopentadiene | 12.855 | 237  | 96776    | 75.787 | ng    | 90       |
| 43) 2,4,6-Trichlorophenol     | 13.119 | 196  | 67708    | 42.228 | ng    | 87       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.201 | 196  | 75132    | 43.192 | ng    | 91       |
| 46) 1,1'-Biphenyl             | 13.518 | 154  | 217843   | 37.892 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.565 | 162  | 179786   | 39.154 | ng    | 97       |
| 48) 2-Nitroaniline            | 13.765 | 65   | 66760    | 39.595 | ng    | 89       |
| 49) Acenaphthylene            | 14.411 | 152  | 283326   | 38.931 | ng    | 95       |
| 50) Dimethylphthalate         | 14.135 | 163  | 240321   | 39.461 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.259 | 165  | 51955    | 38.747 | ng    | 96       |
| 52) Acenaphthene              | 14.752 | 154  | 161865   | 36.921 | ng    | 94       |
| 53) 3-Nitroaniline            | 14.593 | 138  | 29710    | 22.721 | ng    | 89       |
| 54) 2,4-Dinitrophenol         | 14.811 | 184  | 43742    | 57.462 | ng    | 91       |
| 55) Dibenzofuran              | 15.087 | 168  | 267166   | 37.565 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.917 | 139  | 83465    | 87.370 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 15.057 | 165  | 74315    | 39.460 | ng    | 97       |
| 58) Fluorene                  | 15.739 | 166  | 221449   | 38.308 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.316 | 232  | 65946    | 40.819 | ng    | 97       |
| 60) Diethylphthalate          | 15.498 | 149  | 242824   | 39.644 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.721 | 204  | 118416   | 38.380 | ng    | 94       |
| 62) 4-Nitroaniline            | 15.762 | 138  | 54571    | 40.571 | ng    | 91       |
| 63) Azobenzene                | 16.015 | 77   | 237164   | 36.583 | ng    | 88       |
| 65) 4,6-Dinitro-2-methylph... | 15.821 | 198  | 41845    | 35.454 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 15.939 | 169  | 195846   | 37.749 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.620 | 248  | 82050    | 37.942 | ng    | 95       |
| 68) Hexachlorobenzene         | 16.749 | 284  | 93225    | 38.802 | ng    | 97       |
| 69) Atrazine                  | 16.890 | 200  | 88485    | 42.636 | ng    | 97       |
| 70) Pentachlorophenol         | 17.096 | 266  | 80348    | 62.368 | ng    | 98       |
| 71) Phenanthrene              | 17.484 | 178  | 368783   | 38.175 | ng    | 96       |
| 72) Anthracene                | 17.572 | 178  | 366282   | 38.607 | ng    | 98       |
| 73) Carbazole                 | 17.848 | 167  | 341816   | 38.041 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.388 | 149  | 422317   | 40.318 | ng    | 99       |
| 75) Fluoranthene              | 19.493 | 202  | 453303   | 38.133 | ng    | 99       |
| 77) Benzidine                 | 19.669 | 184  | 184515   | 43.715 | ng    | 98       |
| 78) Pyrene                    | 19.857 | 202  | 449478   | 40.022 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.732 | 149  | 175842   | 41.112 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.701 | 228  | 415301   | 38.711 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.613 | 252  | 96820    | 30.909 | ng    | 100      |
| 83) Chrysene                  | 21.772 | 228  | 396363   | 38.650 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.590 | 149  | 246555   | 40.723 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.818 | 149  | 403003   | 39.402 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.757 | 276  | 488402   | 40.011 | ng #  | 77       |
| 88) Benzo(b)fluoranthene      | 23.957 | 252  | 432033   | 38.918 | ng #  | 97       |
| 89) Benzo(k)fluoranthene      | 24.028 | 252  | 414273m  | 40.008 | ng    |          |
| 90) Benzo(a)pyrene            | 24.850 | 252  | 415377   | 41.346 | ng #  | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.815 | 278  | 417123   | 40.551 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 29.943 | 276  | 412442   | 40.927 | ng    | 99       |

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

