

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061121\  
 Data File : BG048908.D  
 Acq On : 11 Jun 2021 13:12  
 Operator : CG/JU  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICC050

Manual Integrations  
 APPROVED

mohammad  
 6/14/2021 5:47:58 PM

Quant Time: Jun 11 14:04:31 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 11 13:47:28 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.128  | 152  | 41325    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.954 | 136  | 160931   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.767 | 164  | 116494   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.517 | 188  | 268951   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.818 | 240  | 253759   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.161 | 264  | 262733   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.666  | 112  | 258479   | 104.612 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.264  | 99   | 392812   | 112.394 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.297  | 82   | 388872   | 108.182 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.260 | 330  | 181117   | 115.956 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.398 | 172  | 827690   | 102.605 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.126 | 244  | 1354801  | 91.890  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.551  | 88   | 64918    | 67.056  | ng    | # 84     |
| 3) Pyridine                   | 3.956  | 79   | 179001   | 70.934  | ng    | 90       |
| 4) n-Nitrosodimethylamine     | 3.868  | 42   | 91207    | 47.340  | ng    | # 65     |
| 6) Aniline                    | 7.446  | 93   | 246740   | 62.902  | ng    | # 91     |
| 8) 2-Chlorophenol             | 7.687  | 128  | 143808   | 54.863  | ng    | 85       |
| 9) Benzaldehyde               | 7.258  | 77   | 98924    | 42.717  | ng    | 92       |
| 10) Phenol                    | 7.294  | 94   | 198832   | 57.857  | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 7.540  | 93   | 150974   | 65.184  | ng    | 84       |
| 12) 1,3-Dichlorobenzene       | 8.016  | 146  | 159064   | 52.778  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 8.163  | 146  | 161849   | 52.698  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.481  | 146  | 151819   | 53.574  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.363  | 79   | 181124   | 58.813  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.657  | 45   | 279686   | 111.398 | ng    | 83       |
| 17) 2-Methylphenol            | 8.557  | 107  | 133347   | 60.778  | ng    | 97       |
| 18) Hexachloroethane          | 9.221  | 117  | 65878    | 54.608  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 8.939  | 70   | 149166   | 63.261  | ng    | # 94     |
| 20) 3+4-Methylphenols         | 8.892  | 107  | 182633   | 60.332  | ng    | 96       |
| 22) Acetophenone              | 8.956  | 105  | 245821   | 58.686  | ng    | # 97     |
| 24) Nitrobenzene              | 9.338  | 77   | 214676   | 59.874  | ng    | 99       |
| 25) Isophorone                | 9.873  | 82   | 407487   | 64.105  | ng    | 97       |
| 26) 2-Nitrophenol             | 10.055 | 139  | 76047    | 49.003  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 10.102 | 122  | 132130m  | 55.384  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 10.349 | 93   | 190510   | 68.791  | ng    | # 91     |
| 29) 2,4-Dichlorophenol        | 10.590 | 162  | 150513   | 55.942  | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 10.813 | 180  | 167293   | 53.620  | ng    | 96       |
| 31) Naphthalene               | 11.001 | 128  | 480561   | 58.195  | ng    | 97       |
| 32) Benzoic acid              | 10.237 | 122  | 95715    | 68.476  | ng    | # 73     |
| 33) 4-Chloroaniline           | 11.101 | 127  | 206012   | 59.957  | ng    | 95       |
| 34) Hexachlorobutadiene       | 11.289 | 225  | 120109   | 51.857  | ng    | 96       |
| 35) Caprolactam               | 11.888 | 113  | 42644    | 46.643  | ng    | # 15     |
| 36) 4-Chloro-3-methylphenol   | 12.211 | 107  | 181066   | 59.422  | ng    | # 86     |
| 37) 2-Methylnaphthalene       | 12.605 | 142  | 362712   | 54.966  | ng    | 96       |
| 38) 1-Methylnaphthalene       | 12.823 | 142  | 341544   | 55.629  | ng    | 94       |
| 40) 1,2,4,5-Tetrachloroben... | 12.964 | 216  | 190522   | 50.247  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.952 | 237  | 127017   | 71.653  | ng    | 93       |
| 43) 2,4,6-Trichlorophenol     | 13.199 | 196  | 126499   | 49.988  | ng    | 94       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.269 | 196  | 130518   | 48.568 | ng    | 90       |
| 46) 1,1'-Biphenyl             | 13.604 | 154  | 437299   | 50.820 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.651 | 162  | 345737   | 52.599 | ng    | 96       |
| 48) 2-Nitroaniline            | 13.845 | 65   | 136025   | 57.590 | ng    | 96       |
| 49) Acenaphthylene            | 14.491 | 152  | 579204   | 56.481 | ng    | 97       |
| 50) Dimethylphthalate         | 14.221 | 163  | 460897   | 52.743 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.333 | 165  | 100664   | 49.933 | ng    | 97       |
| 52) Acenaphthene              | 14.832 | 154  | 379129   | 58.220 | ng    | 94       |
| 53) 3-Nitroaniline            | 14.667 | 138  | 101772   | 52.585 | ng #  | 84       |
| 54) 2,4-Dinitrophenol         | 14.867 | 184  | 48398    | 46.043 | ng    | 90       |
| 55) Dibenzofuran              | 15.167 | 168  | 577691   | 53.590 | ng    | 97       |
| 56) 4-Nitrophenol             | 14.955 | 139  | 84093    | 58.648 | ng #  | 86       |
| 57) 2,4-Dinitrotoluene        | 15.120 | 165  | 137940   | 47.117 | ng    | 93       |
| 58) Fluorene                  | 15.819 | 166  | 473443   | 53.477 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.390 | 232  | 136987   | 55.093 | ng    | 99       |
| 60) Diethylphthalate          | 15.584 | 149  | 498433   | 55.136 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 15.807 | 204  | 250721   | 51.497 | ng    | 96       |
| 62) 4-Nitroaniline            | 15.831 | 138  | 104584   | 50.543 | ng #  | 80       |
| 63) Azobenzene                | 16.101 | 77   | 562726   | 61.811 | ng    | 86       |
| 65) 4,6-Dinitro-2-methylph... | 15.884 | 198  | 78481    | 43.587 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 16.019 | 169  | 422603   | 55.594 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.706 | 248  | 169636   | 54.800 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.824 | 284  | 183973   | 58.675 | ng    | 98       |
| 69) Atrazine                  | 16.971 | 200  | 133439   | 42.214 | ng    | 99       |
| 70) Pentachlorophenol         | 17.159 | 266  | 115628   | 69.206 | ng    | 97       |
| 71) Phenanthrene              | 17.564 | 178  | 750949   | 53.797 | ng    | 98       |
| 72) Anthracene                | 17.652 | 178  | 755001   | 54.660 | ng    | 98       |
| 73) Carbazole                 | 17.917 | 167  | 726719   | 54.927 | ng    | 97       |
| 74) Di-n-butylphthalate       | 18.481 | 149  | 812985   | 54.811 | ng    | 98       |
| 75) Fluoranthene              | 19.568 | 202  | 902958   | 51.150 | ng    | 96       |
| 77) Benzidine                 | 19.744 | 184  | 273318   | 39.662 | ng    | 98       |
| 78) Pyrene                    | 19.932 | 202  | 907702   | 51.702 | ng    | 95       |
| 80) Butylbenzylphthalate      | 20.819 | 149  | 349872   | 50.964 | ng    | 96       |
| 81) Benzo(a)anthracene        | 21.794 | 228  | 912488   | 52.621 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.706 | 252  | 300481   | 50.530 | ng    | 98       |
| 83) Chrysene                  | 21.865 | 228  | 877056   | 53.096 | ng    | 95       |
| 84) Bis(2-ethylhexyl)phtha... | 21.706 | 149  | 498888   | 51.909 | ng #  | 98       |
| 85) Di-n-octyl phthalate      | 22.975 | 149  | 854350   | 52.218 | ng #  | 95       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.998 | 276  | 1020396  | 52.880 | ng #  | 97       |
| 88) Benzo(b)fluoranthene      | 24.098 | 252  | 936881   | 52.563 | ng #  | 93       |
| 89) Benzo(k)fluoranthene      | 24.168 | 252  | 899116   | 53.640 | ng #  | 99       |
| 90) Benzo(a)pyrene            | 25.002 | 252  | 862588   | 52.532 | ng #  | 95       |
| 91) Dibenzo(a,h)anthracene    | 29.074 | 278  | 853078   | 51.545 | ng #  | 93       |
| 92) Benzo(g,h,i)perylene      | 30.196 | 276  | 855735   | 52.374 | ng #  | 96       |

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

