

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091823\  
 Data File : BG059086.D  
 Acq On : 18 Sep 2023 13:51  
 Operator : MA/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICC060

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/19/2023  
 Supervised By :Sohil Jodhani 09/19/2023

Quant Time: Sep 19 02:09:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG091823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 19 01:57:32 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.305  | 152  | 31554    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.149 | 136  | 159417   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.933 | 164  | 99908    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.676 | 188  | 218685   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.007 | 240  | 193902   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.561 | 264  | 219130   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.796  | 112  | 256634   | 127.061 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.418  | 99   | 387954   | 129.238 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.504  | 82   | 366176   | 122.846 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.419 | 330  | 145459   | 126.560 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.558 | 172  | 843147   | 126.010 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.262 | 244  | 1182174  | 114.700 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.652  | 88   | 59057    | 59.941  | ng    | 95       |
| 3) Pyridine                   | 4.069  | 79   | 178491   | 63.347  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.998  | 42   | 87090    | 61.781  | ng    | 86       |
| 6) Aniline                    | 7.629  | 93   | 246009   | 63.608  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.853  | 128  | 150779   | 65.867  | ng    | 97       |
| 9) Benzaldehyde               | 7.447  | 77   | 91694    | 56.357  | ng    | 95       |
| 10) Phenol                    | 7.447  | 94   | 193036   | 65.746  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.717  | 93   | 146097   | 62.702  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 8.182  | 146  | 152568   | 65.448  | ng    | # 96     |
| 13) 1,4-Dichlorobenzene       | 8.340  | 146  | 145409   | 62.297  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.658  | 146  | 145491   | 64.098  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.546  | 79   | 139622   | 64.992  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.822  | 45   | 296592   | 63.196  | ng    | 97       |
| 17) 2-Methylphenol            | 8.722  | 107  | 146486   | 64.289  | ng    | # 93     |
| 18) Hexachloroethane          | 9.386  | 117  | 51776    | 63.154  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 9.116  | 70   | 120336   | 62.578  | ng    | 98       |
| 20) 3+4-Methylphenols         | 9.057  | 107  | 198380   | 64.332  | ng    | 93       |
| 22) Acetophenone              | 9.145  | 105  | 247003   | 60.165  | ng    | # 97     |
| 24) Nitrobenzene              | 9.545  | 77   | 176690   | 61.663  | ng    | 94       |
| 25) Isophorone                | 10.056 | 82   | 364378   | 60.292  | ng    | 98       |
| 26) 2-Nitrophenol             | 10.250 | 139  | 83350    | 63.080  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 10.273 | 122  | 153838   | 61.351  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.532 | 93   | 203191   | 59.252  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.773 | 162  | 146039   | 62.669  | ng    | 93       |
| 30) 1,2,4-Trichlorobenzene    | 10.990 | 180  | 136878   | 60.765  | ng    | 99       |
| 31) Naphthalene               | 11.202 | 128  | 505248   | 61.994  | ng    | 99       |
| 32) Benzoic acid              | 10.403 | 122  | 119745m  | 63.701  | ng    |          |
| 33) 4-Chloroaniline           | 11.313 | 127  | 226633   | 62.014  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.431 | 225  | 82070    | 60.198  | ng    | 92       |
| 35) Caprolactam               | 12.118 | 113  | 57150    | 62.389  | ng    | # 83     |
| 36) 4-Chloro-3-methylphenol   | 12.383 | 107  | 167851   | 61.857  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.776 | 142  | 353266   | 61.059  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.994 | 142  | 336171   | 61.686  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 13.123 | 216  | 160279   | 63.936  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 13.076 | 237  | 88764    | 64.861  | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 13.358 | 196  | 119642   | 65.254  | ng    | 97       |

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## Manual Integrations

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.428 | 196  | 142825   | 65.629 | ng    | 93       |
| 46) 1,1'-Biphenyl             | 13.769 | 154  | 447764   | 63.409 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.822 | 162  | 347837   | 63.370 | ng    | 97       |
| 48) 2-Nitroaniline            | 14.039 | 65   | 129302   | 64.868 | ng    | 94       |
| 49) Acenaphthylene            | 14.662 | 152  | 578100   | 63.678 | ng    | 99       |
| 50) Dimethylphthalate         | 14.380 | 163  | 481255   | 62.476 | ng    | 97       |
| 51) 2,6-Dinitrotoluene        | 14.521 | 165  | 102176   | 65.812 | ng    | 93       |
| 52) Acenaphthene              | 14.997 | 154  | 324299   | 62.785 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.856 | 138  | 119991   | 65.666 | ng    | # 86     |
| 54) 2,4-Dinitrophenol         | 15.050 | 184  | 56810    | 66.025 | ng    | 91       |
| 55) Dibenzofuran              | 15.326 | 168  | 565208   | 63.087 | ng    | 100      |
| 56) 4-Nitrophenol             | 15.121 | 139  | 92264    | 65.040 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 15.297 | 165  | 137417   | 65.632 | ng    | # 99     |
| 58) Fluorene                  | 15.972 | 166  | 463470   | 62.907 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.532 | 232  | 115624   | 64.162 | ng    | 99       |
| 60) Diethylphthalate          | 15.720 | 149  | 465031   | 60.708 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.955 | 204  | 207943   | 62.401 | ng    | 95       |
| 62) 4-Nitroaniline            | 16.019 | 138  | 116800   | 63.484 | ng    | 93       |
| 63) Azobenzene                | 16.255 | 77   | 464849   | 61.658 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 16.043 | 198  | 81706    | 64.581 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 16.178 | 169  | 399714   | 61.598 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.860 | 248  | 130132   | 61.390 | ng    | 92       |
| 68) Hexachlorobenzene         | 16.948 | 284  | 133821   | 61.015 | ng    | 99       |
| 69) Atrazine                  | 17.112 | 200  | 120845   | 57.823 | ng    | 93       |
| 70) Pentachlorophenol         | 17.300 | 266  | 109076   | 64.280 | ng    | 98       |
| 71) Phenanthrene              | 17.723 | 178  | 717707   | 61.891 | ng    | 98       |
| 72) Anthracene                | 17.817 | 178  | 734143   | 61.600 | ng    | 99       |
| 73) Carbazole                 | 18.094 | 167  | 686471   | 60.746 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.599 | 149  | 817981   | 59.059 | ng    | 98       |
| 75) Fluoranthene              | 19.715 | 202  | 803264   | 58.885 | ng    | 100      |
| 77) Benzidine                 | 19.903 | 184  | 220714   | 53.764 | ng    | 99       |
| 78) Pyrene                    | 20.085 | 202  | 837473   | 61.209 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.943 | 149  | 349202   | 61.591 | ng    | 92       |
| 81) Benzo(a)anthracene        | 21.983 | 228  | 795618   | 60.516 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.895 | 252  | 288480   | 60.892 | ng    | 99       |
| 83) Chrysene                  | 22.059 | 228  | 764387   | 60.659 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.819 | 149  | 535329   | 62.091 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 23.141 | 149  | 905900   | 61.946 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.680 | 276  | 888959   | 62.876 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 24.410 | 252  | 787754   | 62.145 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 24.486 | 252  | 829540   | 63.689 | ng    | 98       |
| 90) Benzo(a)pyrene            | 25.391 | 252  | 778177   | 62.532 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.768 | 278  | 734947   | 64.197 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 30.996 | 276  | 727513   | 62.142 | ng    | 98       |

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

