

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062821\  
 Data File : BN015184.D  
 Acq On : 28 Jun 2021 21:27  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020412

Manual Integrations  
 APPROVED

mohammad  
 6/29/2021 2:31:05 PM

Quant Time: Jun 29 01:08:07 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-BN061821MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 24 14:43:13 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.722  | 152  | 135835   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.498 | 136  | 563494   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.351 | 164  | 332821   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.098 | 188  | 663530   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.292 | 240  | 672541   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.539 | 264  | 671409   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.281  | 96   | 18342    | 5.254  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.675  | 84   | 130612   | 13.878 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.893  | 99   | 219955   | 18.657 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.063  | 67   | 133331   | 19.257 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.257  | 132  | 172362   | 19.281 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.422  | 113  | 169766   | 18.657 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.869  | 128  | 85342    | 22.140 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.581  | 143  | 77585    | 22.596 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.116 | 165  | 161376   | 19.913 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.628 | 131  | 230767   | 18.374 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.763 | 166  | 452684   | 19.808 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.039 | 160  | 588548   | 19.838 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.545 | 143  | 81939    | 20.555 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.345 | 176  | 390052   | 19.618 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.463 | 200  | 47666    | 17.394 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.192 | 188  | 612122   | 20.156 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.492 | 212  | 643654   | 18.259 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.398 | 264  | 663141   | 20.007 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.317  | 88   | 19877    | 5.525  | ng/uL  | 96       |
| 5) Pyridine                   | 3.693  | 79   | 135448   | 13.833 | ng/u1  | 100      |
| 6) Benzaldehyde               | 6.875  | 77   | 141332   | 25.776 | ng/u1  | 94       |
| 8) Phenol                     | 6.922  | 94   | 223798   | 18.725 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.152  | 93   | 179226   | 18.982 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.293  | 128  | 174263   | 19.265 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.157  | 108  | 169482   | 18.991 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.252  | 45   | 244770   | 19.902 | ng/u1  | 99       |
| 16) Acetophenone              | 8.534  | 105  | 270280   | 19.609 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.522  | 70   | 134129   | 19.867 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.481  | 108  | 177903   | 18.588 | ng/u1  | 94       |
| 19) Hexachloroethane          | 8.793  | 117  | 77992    | 21.094 | ng/u1  | 92       |
| 22) Nitrobenzene              | 8.910  | 77   | 207874   | 22.089 | ng/u1  | 99       |
| 23) Isophorone                | 9.428  | 82   | 376950   | 20.368 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.616  | 139  | 85203    | 22.386 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.675  | 107  | 194667   | 19.728 | ng/u1  | 94       |
| 27) Bis(2-Chloroethoxy)met... | 9.916  | 93   | 234325   | 19.845 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.146 | 162  | 153561   | 19.454 | ng/u1  | 99       |
| 30) Naphthalene               | 10.546 | 128  | 557162   | 19.377 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.651 | 127  | 233507   | 18.916 | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.834 | 225  | 92625    | 18.903 | ng/u1  | 98       |
| 34) Caprolactam               | 11.398 | 113  | 54465    | 20.203 | ng/u1  | 98       |
| 35) 4-Chloro-3-methylphenol   | 11.775 | 107  | 174692   | 20.225 | ng/u1  | 94       |
| 36) 2-Methylnaphthalene       | 12.157 | 142  | 380452   | 19.112 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.381 | 142  | 379396   | 19.021 | ng/ul  | 94       |
| 39) 1,2,4,5-Tetrachloroben... | 12.534 | 216  | 177163   | 19.070 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.516 | 237  | 93922    | 18.525 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.775 | 196  | 112891   | 20.783 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.840 | 196  | 124842m  | 20.686 | ng/ul  |          |
| 43) 1,1'-Biphenyl             | 13.181 | 154  | 480841   | 20.021 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.216 | 162  | 363541   | 19.433 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.422 | 65   | 106269   | 24.416 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 13.810 | 163  | 451203   | 20.398 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.922 | 165  | 86580    | 23.264 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.069 | 152  | 569252   | 20.334 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.251 | 138  | 99526    | 23.652 | ng/ul  | 98       |
| 52) Acenaphthene              | 14.410 | 153  | 390567   | 19.831 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.457 | 184  | 36877    | 21.579 | ng/ul  | 90       |
| 55) 4-Nitrophenol             | 14.557 | 109  | 66976    | 23.040 | ng/ul  | 90       |
| 56) Dibenzofuran              | 14.751 | 168  | 557611   | 20.158 | ng/ul  | 94       |
| 57) 2,4-Dinitrotoluene        | 14.710 | 165  | 124164   | 23.925 | ng/ul  | 90       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.975 | 232  | 95990    | 21.699 | ng/ul  | 93       |
| 59) Diethylphthalate          | 15.181 | 149  | 451990   | 20.469 | ng/ul  | 99       |
| 61) Fluorene                  | 15.398 | 166  | 457014   | 20.870 | ng/ul  | 93       |
| 62) 4-Chlorophenyl-phenyle... | 15.398 | 204  | 206324   | 19.829 | ng/ul  | 91       |
| 63) 4-Nitroaniline            | 15.416 | 138  | 104693   | 26.737 | ng/ul  | 91       |
| 66) 4,6-Dinitro-2-methylph... | 15.481 | 198  | 47434    | 17.127 | ng/ul# | 99       |
| 67) N-Nitrosodiphenylamine    | 15.610 | 169  | 375552   | 19.513 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.292 | 248  | 120452   | 18.858 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.404 | 284  | 140151   | 19.580 | ng/ul  | 93       |
| 70) Atrazine                  | 16.563 | 200  | 126147   | 18.837 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.745 | 266  | 71162    | 19.003 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.139 | 178  | 705120   | 20.134 | ng/ul  | 98       |
| 74) Anthracene                | 17.228 | 178  | 735469   | 20.457 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.140 | 216  | 180156   | 19.172 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.669 | 250  | 180637   | 20.077 | ng/uL  | 92       |
| 77) Carbazole                 | 17.498 | 167  | 645849   | 19.931 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.075 | 149  | 764594   | 20.728 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.157 | 202  | 791203   | 18.594 | ng/ul  | 98       |
| 82) Pyrene                    | 19.522 | 202  | 833502   | 18.793 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.433 | 149  | 317099   | 20.058 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.216 | 252  | 223643   | 16.148 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.280 | 228  | 813480   | 19.556 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.221 | 149  | 492000   | 19.433 | ng/ul  | 99       |
| 87) Chrysene                  | 21.327 | 228  | 774695   | 18.912 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.104 | 149  | 865754   | 20.619 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.868 | 252  | 827769   | 20.474 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 22.910 | 252  | 748454   | 18.291 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.445 | 252  | 736135   | 20.032 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.804 | 276  | 886328   | 19.880 | ng/ul  | 100      |
| 95) Dibenzo(a,h)anthracene    | 25.815 | 278  | 765085   | 20.704 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 26.492 | 276  | 707252   | 18.351 | ng/ul  | 98       |

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

