

Data File : BM025019.D  
Acq On : 22 Feb 2020 10:32  
Operator : CG/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Feb 24 05:43:12 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Feb 24 03:25:45 2020  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.33  | 152  | 173769   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.09 | 136  | 733705   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 13.99 | 164  | 514831   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.75 | 188  | 1204385  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 20.96 | 240  | 1428851  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.04 | 264  | 1595250  | 20.00 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.94  | 96  | 33872   | 9.38  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.54  | 99  | 283532  | 24.56 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.69  | 67  | 166570  | 25.55 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.87  | 132 | 235192  | 22.74 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.06  | 113 | 236119  | 24.24 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.47  | 128 | 112725  | 21.25 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.19  | 143 | 129023  | 20.58 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.73  | 165 | 262344  | 20.75 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.23 | 131 | 276390  | 23.36 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.42 | 166 | 797099  | 20.51 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.67 | 160 | 981284  | 21.62 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.23 | 143 | 129205  | 20.46 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.00 | 176 | 727973  | 21.15 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.13 | 200 | 142733  | 18.18 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.84 | 188 | 1150440 | 20.92 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.16 | 212 | 1395762 | 19.53 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 22.91 | 264 | 1713790 | 21.39 | ng/ul | 0.00 |

#### Target Compounds

|                                |       |     |         |               | Qvalue |
|--------------------------------|-------|-----|---------|---------------|--------|
| 2) 1,4-Dioxane                 | 2.98  | 88  | 35678   | 9.365 ng/uL#  | 84     |
| 4) Benzaldehyde                | 6.49  | 77  | 113700  | 14.976 ng/ul  | 98     |
| 6) Phenol                      | 6.56  | 94  | 301372  | 24.803 ng/ul  | 93     |
| 8) Bis(2-Chloroethyl)ether     | 6.78  | 93  | 234692  | 23.920 ng/ul  | 98     |
| 10) 2-Chlorophenol             | 6.91  | 128 | 238457  | 22.615 ng/ul  | 98     |
| 11) 2-Methylphenol             | 7.79  | 108 | 222124  | 23.552 ng/ul  | 97     |
| 12) 2,2'-oxybis(1-Chloropropan | 7.88  | 45  | 128461m | 16.649 ng/ul  |        |
| 14) Acetophenone               | 8.15  | 105 | 363936  | 23.710 ng/ul# | 93     |
| 15) N-Nitroso-di-n-propylamine | 8.15  | 70  | 196053  | 27.023 ng/ul# | 82     |
| 16) 4-Methylphenol             | 8.12  | 108 | 246519  | 24.209 ng/ul  | 94     |
| 17) Hexachloroethane           | 8.39  | 117 | 99658   | 20.961 ng/ul  | 93     |
| 20) Nitrobenzene               | 8.52  | 77  | 290683  | 23.076 ng/ul  | 95     |
| 21) Isophorone                 | 9.05  | 82  | 540350  | 23.654 ng/ul  | 93     |
| 23) 2-Nitrophenol              | 9.22  | 139 | 138725  | 20.560 ng/ul  | 93     |
| 24) 2,4-Dimethylphenol         | 9.30  | 107 | 272947  | 21.653 ng/ul  | 98     |
| 25) Bis(2-Chloroethoxy)methane | 9.53  | 93  | 318311  | 22.215 ng/ul  | 98     |
| 27) 2,4-Dichlorophenol         | 9.75  | 162 | 251270  | 20.119 ng/ul  | 97     |
| 28) Naphthalene                | 10.14 | 128 | 796342  | 21.243 ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.26 | 127 | 277796  | 23.528 ng/ul  | 98     |
| 31) Hexachlorobutadiene        | 10.44 | 225 | 178194  | 17.176 ng/ul  | 97     |
| 32) Caprolactam                | 11.03 | 113 | 77454m  | 23.658 ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 11.40 | 107 | 262398  | 22.643 ng/ul  | 97     |
| 34) 2-Methylnaphthalene        | 11.77 | 142 | 569263  | 20.615 ng/ul  | 100    |

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|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 11.99 | 142  | 582777   | 21.161 | ng/ul  | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.15 | 216  | 344613   | 18.929 | ng/ul  | 96       |
| 38) Hexachlorocyclopentadiene  | 12.13 | 237  | 170362   | 13.270 | ng/ul  | 94       |
| 39) 2,4,6-Trichlorophenol      | 12.40 | 196  | 221471   | 19.763 | ng/ul  | 95       |
| 40) 2,4,5-Trichlorophenol      | 12.48 | 196  | 235875   | 20.139 | ng/ul  | 96       |
| 41) 1,1'-Biphenyl              | 12.82 | 154  | 773764   | 20.359 | ng/ul# | 97       |
| 42) 2-Chloronaphthalene        | 12.85 | 162  | 638476   | 20.575 | ng/ul  | 99       |
| 43) 2-Nitroaniline             | 13.06 | 65   | 155168   | 23.714 | ng/ul  | 93       |
| 45) Dimethylphthalate          | 13.47 | 163  | 806544   | 19.895 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene         | 13.58 | 165  | 168338   | 20.535 | ng/ul  | 99       |
| 48) Acenaphthylene             | 13.70 | 152  | 1010805  | 21.502 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 13.91 | 138  | 119343   | 19.327 | ng/ul# | 81       |
| 50) Acenaphthene               | 14.06 | 153  | 676304   | 21.303 | ng/ul  | 97       |
| 51) 2,4-Dinitrophenol          | 14.12 | 184  | 78967    | 15.812 | ng/ul  | 95       |
| 53) 4-Nitrophenol              | 14.24 | 109  | 98811    | 19.159 | ng/ul  | 93       |
| 54) Dibenzofuran               | 14.40 | 168  | 976447   | 20.633 | ng/ul  | 98       |
| 55) 2,4-Dinitrotoluene         | 14.38 | 165  | 244574   | 20.904 | ng/ul  | 98       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.63 | 232  | 231925   | 20.265 | ng/ul  | 98       |
| 57) Diethylphthalate           | 14.86 | 149  | 776796   | 19.365 | ng/ul  | 98       |
| 59) Fluorene                   | 15.05 | 166  | 815306   | 20.904 | ng/ul  | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.06 | 204  | 430752   | 19.182 | ng/ul  | 97       |
| 61) 4-Nitroaniline             | 15.08 | 138  | 140499   | 18.373 | ng/ul  | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.15 | 198  | 150513   | 17.912 | ng/ul  | 97       |
| 65) N-Nitrosodiphenylamine     | 15.27 | 169  | 694099   | 20.632 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether  | 15.96 | 248  | 278818   | 18.475 | ng/ul  | 96       |
| 67) Hexachlorobenzene          | 16.06 | 284  | 345276   | 19.359 | ng/ul  | 99       |
| 68) Atrazine                   | 16.24 | 200  | 271263   | 18.766 | ng/ul  | 100      |
| 69) Pentachlorophenol          | 16.41 | 266  | 201465   | 18.877 | ng/ul  | 98       |
| 70) Phenanthrene               | 16.79 | 178  | 1374386  | 20.929 | ng/ul  | 100      |
| 72) Anthracene                 | 16.88 | 178  | 1397661  | 20.986 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.77 | 216  | 351422   | 17.770 | ng/uL  | 96       |
| 74) Pentachlorobenzene         | 14.32 | 250  | 372160   | 17.732 | ng/uL  | 100      |
| 75) Carbazole                  | 17.16 | 167  | 1157902  | 20.869 | ng/ul  | 100      |
| 76) Di-n-butylphthalate        | 17.76 | 149  | 1298555  | 18.395 | ng/ul  | 100      |
| 77) Fluoranthene               | 18.82 | 202  | 1730148  | 21.462 | ng/ul  | 97       |
| 80) Pyrene                     | 19.19 | 202  | 1821138  | 19.255 | ng/ul# | 94       |
| 81) Butylbenzylphthalate       | 20.13 | 149  | 632964   | 17.892 | ng/ul  | 94       |
| 82) 3,3'-Dichlorobenzidine     | 20.89 | 252  | 521185   | 15.604 | ng/ul  | 97       |
| 83) Benzo(a)anthracene         | 20.95 | 228  | 1847572  | 19.196 | ng/ul  | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 20.93 | 149  | 922078   | 16.466 | ng/ul  | 99       |
| 85) Chrysene                   | 21.00 | 228  | 1862973  | 19.661 | ng/ul  | 100      |
| 87) Di-n-octyl phthalate       | 21.77 | 149  | 1598971  | 16.773 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.43 | 252  | 2095310  | 20.656 | ng/ul  | 99       |
| 89) Benzo(k)fluoranthene       | 22.47 | 252  | 1932371  | 19.791 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 22.95 | 252  | 1881711  | 20.691 | ng/ul# | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.05 | 276  | 2406269  | 21.253 | ng/ul  | 97       |
| 93) Dibenzo(a,h)anthracene     | 25.07 | 278  | 2013995  | 20.878 | ng/ul  | 99       |
| 94) Benzo(g,h,i)perylene       | 25.66 | 276  | 2025822  | 21.513 | ng/ul  | 99       |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM022120\  
Quantitation Report (QT Reviewed)

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| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

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