

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031319\  
 Data File : BN004753.D  
 Acq On : 14 Mar 2019 04:57  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02034

Quant Time: Mar 14 05:29:46 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 13 03:05:10 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 42295    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.50 | 136  | 183343   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.36 | 164  | 105514   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.11 | 188  | 235335   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.31 | 240  | 214948   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.56 | 264  | 199982   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 5871   | 7.83  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.89  | 99  | 62709  | 17.94 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.06  | 67  | 33578  | 18.42 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 57933  | 19.10 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 53169  | 17.49 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.88  | 128 | 27663  | 19.79 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.60  | 143 | 31815  | 20.04 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.13 | 165 | 58346  | 19.29 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.65 | 131 | 69412  | 19.13 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 13.78 | 166 | 170321 | 18.67 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.05 | 160 | 214823 | 19.56 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.58 | 143 | 22301  | 13.17 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.36 | 176 | 148595 | 19.16 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.49 | 200 | 27816  | 17.12 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.21 | 188 | 224957 | 19.62 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.51 | 212 | 235824 | 22.45 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.42 | 264 | 211173 | 19.66 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.26  | 88  | 6456   | 6.987  | ng/uL 96  |
| 4) Benzaldehyde                | 6.88  | 77  | 42868  | 18.944 | ng/ul 98  |
| 6) Phenol                      | 6.92  | 94  | 63632  | 17.890 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.15  | 93  | 49124  | 18.764 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.29  | 128 | 57774  | 18.881 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.16  | 108 | 50857  | 17.804 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.23  | 45  | 53250  | 17.635 | ng/ul 99  |
| 14) Acetophenone               | 8.54  | 105 | 81866  | 17.961 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.52  | 70  | 36973  | 17.182 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.49  | 108 | 54817  | 17.261 | ng/ul 96  |
| 17) Hexachloroethane           | 8.78  | 117 | 22420  | 19.563 | ng/ul 94  |
| 20) Nitrobenzene               | 8.92  | 77  | 55808  | 19.448 | ng/ul 99  |
| 21) Isophorone                 | 9.44  | 82  | 106493 | 17.912 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.63  | 139 | 34076  | 19.855 | ng/ul 99  |
| 24) 2,4-Dimethylphenol         | 9.68  | 107 | 62675  | 18.922 | ng/ul 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.92  | 93  | 66699  | 18.429 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.16 | 162 | 56870  | 19.100 | ng/ul 98  |
| 28) Naphthalene                | 10.56 | 128 | 185555 | 19.424 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.68 | 127 | 70339  | 19.068 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.82 | 225 | 41210  | 20.825 | ng/ul 99  |
| 32) Caprolactam                | 11.45 | 113 | 17378  | 17.229 | ng/ul 99  |
| 33) 4-Chloro-3-methylphenol    | 11.80 | 107 | 56834  | 17.802 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.17 | 142 | 134484 | 18.788 | ng/ul 98  |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.39 | 142  | 126324   | 18.792 | ng/ul | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.54 | 216  | 78034    | 21.031 | ng/ul | 99       |
| 38) Hexachlorocyclopentadiene  | 12.50 | 237  | 52698    | 20.617 | ng/ul | 98       |
| 39) 2,4,6-Trichlorophenol      | 12.79 | 196  | 46504    | 19.458 | ng/ul | 96       |
| 40) 2,4,5-Trichlorophenol      | 12.86 | 196  | 50552    | 19.322 | ng/ul | 97       |
| 41) 1,1'-Biphenyl              | 13.19 | 154  | 174222   | 19.627 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 13.23 | 162  | 135504   | 20.077 | ng/ul | 100      |
| 43) 2-Nitroaniline             | 13.45 | 65   | 30321    | 18.363 | ng/ul | 99       |
| 45) Dimethylphthalate          | 13.82 | 163  | 167689   | 18.733 | ng/ul | 100      |
| 46) 2,6-Dinitrotoluene         | 13.95 | 165  | 35595    | 19.639 | ng/ul | 94       |
| 48) Acenaphthylene             | 14.09 | 152  | 210182   | 19.585 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.28 | 138  | 32316    | 18.388 | ng/ul | 98       |
| 50) Acenaphthene               | 14.43 | 153  | 143851   | 19.610 | ng/ul | 99       |
| 51) 2,4-Dinitrophenol          | 14.49 | 184  | 22647    | 19.279 | ng/ul | 99       |
| 53) 4-Nitrophenol              | 14.59 | 109  | 16724    | 13.593 | ng/ul | 97       |
| 54) Dibenzofuran               | 14.76 | 168  | 202404   | 19.209 | ng/ul | 100      |
| 55) 2,4-Dinitrotoluene         | 14.74 | 165  | 50767    | 18.962 | ng/ul | 99       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.99 | 232  | 44312    | 18.300 | ng/ul | 100      |
| 57) Diethylphthalate           | 15.18 | 149  | 168282   | 18.552 | ng/ul | 100      |
| 59) Fluorene                   | 15.41 | 166  | 162429   | 19.212 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.40 | 204  | 86668    | 19.309 | ng/ul | 97       |
| 61) 4-Nitroaniline             | 15.45 | 138  | 32080    | 15.551 | ng/ul | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.50 | 198  | 29129    | 17.004 | ng/ul | 100      |
| 65) N-Nitrosodiphenylamine     | 15.62 | 169  | 142143   | 19.833 | ng/ul | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.30 | 248  | 59398    | 20.567 | ng/ul | 98       |
| 67) Hexachlorobenzene          | 16.41 | 284  | 68510    | 20.668 | ng/ul | 94       |
| 68) Atrazine                   | 16.57 | 200  | 54321    | 19.843 | ng/ul | 99       |
| 69) Pentachlorophenol          | 16.76 | 266  | 50510    | 24.449 | ng/ul | 97       |
| 70) Phenanthrene               | 17.15 | 178  | 256298   | 19.585 | ng/ul | 99       |
| 72) Anthracene                 | 17.25 | 178  | 261714   | 19.574 | ng/ul | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.15 | 216  | 75237    | 21.538 | ng/uL | 99       |
| 74) Pentachlorobenzene         | 14.67 | 250  | 78251    | 21.011 | ng/uL | 99       |
| 75) Carbazole                  | 17.52 | 167  | 221316   | 19.060 | ng/ul | 100      |
| 76) Di-n-butylphthalate        | 18.07 | 149  | 283103   | 19.660 | ng/ul | 100      |
| 77) Fluoranthene               | 19.17 | 202  | 292074   | 19.358 | ng/ul | 96       |
| 80) Pvrene                     | 19.54 | 202  | 289715   | 22.232 | ng/ul | 99       |
| 81) Butylbenzylphthalate       | 20.44 | 149  | 119397   | 22.316 | ng/ul | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.23 | 252  | 91504    | 18.032 | ng/ul | 100      |
| 83) Benzo(a)anthracene         | 21.29 | 228  | 260124   | 19.237 | ng/ul | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.21 | 149  | 169849   | 21.844 | ng/ul | 100      |
| 85) Chrysene                   | 21.35 | 228  | 242988   | 19.351 | ng/ul | 99       |
| 87) Di-n-octyl phthalate       | 22.09 | 149  | 262631   | 20.352 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.88 | 252  | 238513   | 19.216 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.93 | 252  | 233567   | 19.136 | ng/ul | 100      |
| 91) Benzo(a)pyrene             | 23.47 | 252  | 226201   | 19.372 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.85 | 276  | 272103   | 21.393 | ng/ul | 98       |
| 93) Dibenzo(a,h)anthracene     | 25.86 | 278  | 227096   | 21.221 | ng/ul | 98       |
| 94) Benzo(a,h,i)perylene       | 26.55 | 276  | 228592   | 22.098 | ng/ul | 98       |

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

