

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\  
 Data File : BN002007.D  
 Acq On : 11 Jul 2018 13:05  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02095

Quant Time: Jul 11 18:34:36 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 10 01:03:06 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 370085   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.48 | 136  | 1823349  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.33 | 164  | 1162403  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.08 | 188  | 2786531  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.28 | 240  | 3070260  | 20.00 | ng/ul | -0.02    |
| 83) Perylene-d12          | 23.52 | 264  | 3253228  | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 64349   | 7.55  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.88  | 99  | 688513  | 20.56 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.05  | 67  | 430083  | 20.81 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.24  | 132 | 536827  | 20.22 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.41  | 113 | 564409  | 21.04 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.85  | 128 | 275925  | 20.38 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.57  | 143 | 302796  | 21.61 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.10 | 165 | 587142  | 19.62 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.62 | 131 | 794457  | 25.65 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.75 | 166 | 1898136 | 19.34 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.03 | 160 | 2376320 | 19.61 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.55 | 143 | 362620  | 20.05 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.33 | 176 | 1662337 | 19.32 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 311879  | 20.55 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.18 | 188 | 2599558 | 19.31 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.48 | 212 | 2937028 | 18.98 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 23.37 | 264 | 3467950 | 19.60 | ng/ul | -0.02 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.30  | 88  | 68052   | 7.752  | ng/uL# 74 |
| 4) Benzaldehyde                | 6.86  | 77  | 444689  | 21.748 | ng/ul 92  |
| 6) Phenol                      | 6.91  | 94  | 702439  | 20.798 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.14  | 93  | 541632  | 20.687 | ng/ul 94  |
| 10) 2-Chlorophenol             | 7.28  | 128 | 541060  | 20.130 | ng/ul 100 |
| 11) 2-Methylphenol             | 8.15  | 108 | 539141  | 20.869 | ng/ul 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.23  | 45  | 912278  | 22.212 | ng/ul 94  |
| 14) Acetophenone               | 8.52  | 105 | 894349  | 21.707 | ng/ul 96  |
| 15) N-Nitroso-di-n-propylamine | 8.50  | 70  | 472955  | 22.257 | ng/ul 92  |
| 16) 4-Methylphenol             | 8.47  | 108 | 602281  | 21.394 | ng/ul 99  |
| 17) Hexachloroethane           | 8.78  | 117 | 208945  | 19.716 | ng/ul 87  |
| 20) Nitrobenzene               | 8.89  | 77  | 663916  | 19.975 | ng/ul 92  |
| 21) Isophorone                 | 9.42  | 82  | 1344517 | 20.597 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.60  | 139 | 324853  | 21.274 | ng/ul# 93 |
| 24) 2,4-Dimethylphenol         | 9.66  | 107 | 677095  | 19.701 | ng/ul 93  |
| 25) Bis(2-Chloroethoxy)methane | 9.90  | 93  | 818250  | 19.900 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.13 | 162 | 571897  | 19.676 | ng/ul 97  |
| 28) Naphthalene                | 10.53 | 128 | 1860368 | 19.228 | ng/ul 98  |
| 30) 4-Chloroaniline            | 10.64 | 127 | 788590  | 25.762 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.82 | 225 | 332935  | 18.758 | ng/ul 97  |
| 32) Caprolactam                | 11.39 | 113 | 214660  | 21.208 | ng/ul# 76 |
| 33) 4-Chloro-3-methylphenol    | 11.77 | 107 | 658123  | 20.541 | ng/ul 95  |
| 34) 2-Methylnaphthalene        | 12.15 | 142 | 1387075 | 19.764 | ng/ul 99  |

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 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02095

Quant Time: Jul 11 18:34:36 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 10 01:03:06 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.52 | 216  | 701328   | 18.576 | ng/ul# | 97       |
| 37) Hexachlorocyclopentadiene  | 12.50 | 237  | 405483   | 17.615 | ng/ul# | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.76 | 196  | 477202   | 19.379 | ng/ul  | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.83 | 196  | 513141   | 19.570 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.16 | 154  | 1839573  | 19.052 | ng/ul# | 95       |
| 41) 2-Chloronaphthalene        | 13.20 | 162  | 1443479  | 19.152 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.41 | 65   | 453877   | 21.585 | ng/ul  | 96       |
| 44) Dimethylphthalate          | 13.80 | 163  | 1864070  | 19.321 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.92 | 165  | 389586   | 21.386 | ng/ul  | 99       |
| 47) Acenaphthylene             | 14.06 | 152  | 2285260  | 19.537 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.24 | 138  | 407764   | 23.316 | ng/ul  | 98       |
| 49) Acenaphthene               | 14.40 | 153  | 1557212  | 19.191 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.45 | 184  | 196970   | 21.074 | ng/ul# | 89       |
| 52) 4-Nitrophenol              | 14.56 | 109  | 257906   | 19.180 | ng/ul# | 70       |
| 53) Dibenzofuran               | 14.73 | 168  | 2235538  | 19.204 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.70 | 165  | 579025   | 21.378 | ng/ul  | 94       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.96 | 232  | 463222   | 20.016 | ng/ul# | 83       |
| 56) Diethylphthalate           | 15.17 | 149  | 1915843  | 19.595 | ng/ul  | 97       |
| 58) Fluorene                   | 15.39 | 166  | 1815091  | 19.544 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.39 | 204  | 889939   | 19.128 | ng/ul  | 93       |
| 60) 4-Nitroaniline             | 15.41 | 138  | 460932   | 21.348 | ng/ul  | 86       |
| 63) 4,6-Dinitro-2-methylphenol | 15.47 | 198  | 333255   | 20.686 | ng/ul  | 98       |
| 64) N-Nitrosodiphenylamine     | 15.60 | 169  | 1593330  | 19.120 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.28 | 248  | 573199   | 18.937 | ng/ul  | 95       |
| 66) Hexachlorobenzene          | 16.39 | 284  | 641274   | 18.811 | ng/ul# | 93       |
| 67) Atrazine                   | 16.56 | 200  | 595262   | 19.586 | ng/ul  | 100      |
| 68) Pentachlorophenol          | 16.73 | 266  | 367355   | 19.486 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.13 | 178  | 3024332  | 19.267 | ng/ul  | 99       |
| 71) Anthracene                 | 17.22 | 178  | 3098564  | 19.501 | ng/ul  | 98       |
| 72) Carbazole                  | 17.49 | 167  | 2801690  | 21.050 | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 18.06 | 149  | 3419624  | 20.347 | ng/ul  | 100      |
| 74) Fluoranthene               | 19.15 | 202  | 3639552  | 22.058 | ng/ul# | 89       |
| 77) Pyrene                     | 19.51 | 202  | 3719919  | 19.361 | ng/ul# | 85       |
| 78) Butylbenzylphthalate       | 20.42 | 149  | 1684199  | 20.542 | ng/ul  | 95       |
| 79) 3,3'-Dichlorobenzidine     | 21.20 | 252  | 1354511  | 23.248 | ng/ul# | 98       |
| 80) Benzo(a)anthracene         | 21.26 | 228  | 3809839  | 19.634 | ng/ul  | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 21.21 | 149  | 2480076  | 20.285 | ng/ul  | 99       |
| 82) Chrysene                   | 21.32 | 228  | 3549969  | 19.663 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.09 | 149  | 4377091  | 20.288 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 22.84 | 252  | 3964064  | 19.292 | ng/ul# | 96       |
| 86) Benzo(k)fluoranthene       | 22.89 | 252  | 3744157  | 18.791 | ng/ul# | 97       |
| 88) Benzo(a)pyrene             | 23.42 | 252  | 3738128  | 19.468 | ng/ul# | 96       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.75 | 276  | 4047868  | 19.812 | ng/ul# | 86       |
| 90) Dibenzo(a,h)anthracene     | 25.76 | 278  | 3447029  | 20.272 | ng/ul# | 95       |
| 91) Benzo(g,h,i)perylene       | 26.43 | 276  | 3267202  | 19.385 | ng/ul# | 91       |

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

