

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041620\  
 Data File : BN010512.D  
 Acq On : 16 Apr 2020 09:18  
 Operator : CG/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02075

Quant Time: Apr 16 10:22:12 2020  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SOM-EPA-BN040920MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 10 12:31:39 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 479494   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.36 | 136  | 2126074  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.23 | 164  | 1400645  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.97 | 188  | 3156433  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.18 | 240  | 3456144  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.35 | 264  | 3097669  | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.20  | 96  | 68074   | 7.43  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.79  | 99  | 748074  | 19.76 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 433426  | 22.63 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.14  | 132 | 625314  | 19.37 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.30  | 113 | 627093  | 19.65 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 311594  | 19.02 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 345387  | 18.92 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.99  | 165 | 704422  | 19.68 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 929603  | 22.65 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 13.65 | 166 | 2037748 | 19.61 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.92 | 160 | 2427189 | 19.01 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.43 | 143 | 378004  | 18.68 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.22 | 176 | 1779729 | 19.08 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.35 | 200 | 299566  | 18.17 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.07 | 188 | 2860776 | 19.57 | ng/ul | -0.01 |
| 79) Pyrene-d10                 | 19.37 | 212 | 3454725 | 17.71 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.21 | 264 | 3144195 | 19.57 | ng/ul | -0.02 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.24  | 88  | 72734   | 7.502  | ng/uL 96  |
| 4) Benzaldehyde                | 6.75  | 77  | 469928  | 23.903 | ng/ul 98  |
| 6) Phenol                      | 6.81  | 94  | 775087  | 19.778 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.03  | 93  | 582307  | 19.297 | ng/ul 97  |
| 10) 2-Chlorophenol             | 7.17  | 128 | 650813  | 19.818 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.04  | 108 | 598507  | 19.291 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.13  | 45  | 403324  | 21.021 | ng/ul 96  |
| 14) Acetophenone               | 8.41  | 105 | 966778  | 20.032 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.40  | 70  | 464398  | 20.089 | ng/ul 97  |
| 16) 4-Methylphenol             | 8.36  | 108 | 651572  | 19.633 | ng/ul 95  |
| 17) Hexachloroethane           | 8.66  | 117 | 260809  | 19.149 | ng/ul 92  |
| 20) Nitrobenzene               | 8.78  | 77  | 728751  | 19.045 | ng/ul 99  |
| 21) Isophorone                 | 9.30  | 82  | 1300797 | 18.430 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.48  | 139 | 377668  | 19.128 | ng/ul 97  |
| 24) 2,4-Dimethylphenol         | 9.55  | 107 | 742639  | 19.072 | ng/ul 97  |
| 25) Bis(2-Chloroethoxy)methane | 9.79  | 93  | 811757  | 18.907 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.01 | 162 | 688694  | 19.530 | ng/ul 100 |
| 28) Naphthalene                | 10.40 | 128 | 2155611 | 18.866 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.52 | 127 | 952473  | 23.373 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.70 | 225 | 456319  | 18.589 | ng/ul 93  |
| 32) Caprolactam                | 11.29 | 113 | 200891  | 17.953 | ng/ul 98  |
| 33) 4-Chloro-3-methylphenol    | 11.65 | 107 | 721620  | 19.529 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.02 | 142 | 1626663 | 20.143 | ng/ul 98  |

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 Data File : BN010512.D  
 Acq On : 16 Apr 2020 09:18  
 Operator : CG/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02075

Quant Time: Apr 16 10:22:12 2020  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SOM-EPA-BN040920MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 10 12:31:39 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.25 | 142  | 1496505  | 18.516 | ng/uL | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.40 | 216  | 893698   | 19.138 | ng/uL | 96       |
| 38) Hexachlorocyclopentadiene  | 12.39 | 237  | 379420   | 16.698 | ng/uL | 91       |
| 39) 2,4,6-Trichlorophenol      | 12.65 | 196  | 565321   | 18.682 | ng/uL | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.72 | 196  | 613675   | 18.857 | ng/uL | 97       |
| 41) 1,1'-Biphenyl              | 13.05 | 154  | 2086845  | 19.400 | ng/uL | 99       |
| 42) 2-Chloronaphthalene        | 13.09 | 162  | 1644505  | 18.912 | ng/uL | 99       |
| 43) 2-Nitroaniline             | 13.29 | 65   | 403667   | 20.012 | ng/uL | 96       |
| 45) Dimethylphthalate          | 13.69 | 163  | 1988275  | 18.428 | ng/uL | 100      |
| 46) 2,6-Dinitrotoluene         | 13.80 | 165  | 450286   | 19.624 | ng/uL | 98       |
| 48) Acenaphthylene             | 13.95 | 152  | 2613807  | 19.400 | ng/uL | 99       |
| 49) 3-Nitroaniline             | 14.13 | 138  | 437824   | 20.055 | ng/uL | 92       |
| 50) Acenaphthene               | 14.29 | 153  | 1735132  | 18.819 | ng/uL | 97       |
| 51) 2,4-Dinitrophenol          | 14.34 | 184  | 184048   | 16.933 | ng/uL | 97       |
| 53) 4-Nitrophenol              | 14.45 | 109  | 313694   | 19.151 | ng/uL | 95       |
| 54) Dibenzofuran               | 14.63 | 168  | 2520590  | 19.529 | ng/uL | 100      |
| 55) 2,4-Dinitrotoluene         | 14.59 | 165  | 609346   | 18.642 | ng/uL | 94       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.86 | 232  | 537258   | 18.892 | ng/uL | 97       |
| 57) Diethylphthalate           | 15.07 | 149  | 2011719  | 18.545 | ng/uL | 100      |
| 59) Fluorene                   | 15.28 | 166  | 2025601  | 19.140 | ng/uL | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.28 | 204  | 1002044  | 18.515 | ng/uL | 97       |
| 61) 4-Nitroaniline             | 15.30 | 138  | 520979   | 21.069 | ng/uL | 100      |
| 64) 4,6-Dinitro-2-methylphenol | 15.36 | 198  | 330251   | 18.624 | ng/uL | 94       |
| 65) N-Nitrosodiphenylamine     | 15.49 | 169  | 1777322  | 19.437 | ng/uL | 96       |
| 66) 4-Bromophenyl-phenylether  | 16.17 | 248  | 630788   | 18.304 | ng/uL | 95       |
| 67) Hexachlorobenzene          | 16.29 | 284  | 714183   | 18.219 | ng/uL | 96       |
| 68) Atrazine                   | 16.46 | 200  | 606290   | 16.786 | ng/uL | 98       |
| 69) Pentachlorophenol          | 16.63 | 266  | 442660   | 17.688 | ng/uL | 93       |
| 70) Phenanthrene               | 17.02 | 178  | 3434314  | 19.593 | ng/uL | 98       |
| 72) Anthracene                 | 17.10 | 178  | 3443834  | 19.382 | ng/uL | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.02 | 216  | 880555   | 17.589 | ng/uL | 96       |
| 74) Pentachlorobenzene         | 14.55 | 250  | 827362   | 16.954 | ng/uL | 94       |
| 75) Carbazole                  | 17.37 | 167  | 3197052  | 21.905 | ng/uL | 99       |
| 76) Di-n-butylphthalate        | 17.96 | 149  | 3530766  | 19.204 | ng/uL | 99       |
| 77) Fluoranthene               | 19.04 | 202  | 4227887  | 22.199 | ng/uL | 97       |
| 80) Pvrene                     | 19.40 | 202  | 4357956  | 17.452 | ng/uL | 98       |
| 81) Butylbenzylphthalate       | 20.33 | 149  | 1729653  | 16.058 | ng/uL | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.10 | 252  | 1225179  | 16.447 | ng/uL | 96       |
| 83) Benzo(a)anthracene         | 21.16 | 228  | 4305393  | 17.957 | ng/uL | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.12 | 149  | 2601479  | 16.722 | ng/uL | 99       |
| 85) Chrysene                   | 21.22 | 228  | 4105254  | 18.211 | ng/uL | 99       |
| 87) Di-n-octyl phthalate       | 21.99 | 149  | 4540428  | 20.607 | ng/uL | 100      |
| 88) Benzo(b)fluoranthene       | 22.70 | 252  | 4015459  | 19.866 | ng/uL | 99       |
| 89) Benzo(k)fluoranthene       | 22.75 | 252  | 3721558  | 18.557 | ng/uL | 99       |
| 91) Benzo(a)pyrene             | 23.26 | 252  | 3713785  | 20.680 | ng/uL | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.49 | 276  | 3892589  | 19.257 | ng/uL | 98       |
| 93) Dibenzo(a,h)anthracene     | 25.51 | 278  | 3286347  | 19.357 | ng/uL | 99       |
| 94) Benzo(a,h,i)perylene       | 26.14 | 276  | 3198639  | 19.121 | ng/uL | 98       |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN041620\  
Data File : BN010512.D  
Acq On : 16 Apr 2020 09:18  
Operator : CG/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTD02075

Quant Time: Apr 16 10:22:12 2020  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SOM-EPA-BN040920MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 10 12:31:39 2020  
Response via : Initial Calibration

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

