

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060419\  
 Data File : BN006069.D  
 Acq On : 04 Jun 2019 18:25  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02008

Quant Time: Jun 04 18:57:06 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 04 17:47:25 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 237606   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.43 | 136  | 1023753  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.30 | 164  | 567282   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 1219548  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.27 | 240  | 1158673  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.50 | 264  | 1338046  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 46045   | 8.40  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 403626  | 21.26 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 231205  | 21.30 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.18  | 132 | 319821  | 20.96 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 314507  | 21.38 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.80  | 128 | 152933  | 20.93 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.52  | 143 | 168440  | 20.77 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 311657  | 21.26 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.57 | 131 | 382237  | 21.84 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.72 | 166 | 858250  | 21.33 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.99 | 160 | 1112295 | 21.35 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 144750  | 20.37 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.30 | 176 | 729177  | 21.44 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 136435  | 19.99 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 1101606 | 21.17 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.46 | 212 | 1204988 | 21.52 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.37 | 264 | 1270480 | 21.32 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.19  | 88  | 49239   | 8.686  | ng/uL 98  |
| 4) Benzaldehyde                | 6.79  | 77  | 268561  | 20.843 | ng/ul 99  |
| 6) Phenol                      | 6.85  | 94  | 418093  | 21.547 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.07  | 93  | 320676  | 21.296 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.21  | 128 | 330093  | 21.194 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.09  | 108 | 311806  | 21.418 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.18  | 45  | 434831  | 21.608 | ng/ul 99  |
| 14) Acetophenone               | 8.46  | 105 | 491050  | 22.067 | ng/ul 100 |
| 15) N-Nitroso-di-n-propylamine | 8.45  | 70  | 255902  | 21.700 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.42  | 108 | 341564  | 21.838 | ng/ul 95  |
| 17) Hexachloroethane           | 8.72  | 117 | 135209  | 20.644 | ng/ul 98  |
| 20) Nitrobenzene               | 8.85  | 77  | 362716  | 20.987 | ng/ul 100 |
| 21) Isophorone                 | 9.36  | 82  | 708812  | 21.282 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.55  | 139 | 180804  | 21.117 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.62  | 107 | 367037  | 21.113 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.85  | 93  | 434181  | 21.178 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.09 | 162 | 302956  | 21.215 | ng/ul 98  |
| 28) Naphthalene                | 10.48 | 128 | 1021199 | 21.151 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.59 | 127 | 380605  | 21.690 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.76 | 225 | 189613  | 20.770 | ng/ul 98  |
| 32) Caprolactam                | 11.35 | 113 | 100126  | 20.917 | ng/ul 94  |
| 33) 4-Chloro-3-methylphenol    | 11.73 | 107 | 334389  | 21.515 | ng/ul 96  |
| 34) 2-Methylnaphthalene        | 12.10 | 142 | 718996  | 21.364 | ng/ul 100 |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.48 | 216  | 361235   | 21.272 | ng/ul | 99       |
| 37) Hexachlorocyclopentadiene  | 12.46 | 237  | 187175   | 19.301 | ng/ul | 96       |
| 38) 2,4,6-Trichlorophenol      | 12.72 | 196  | 230080   | 21.175 | ng/ul | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.80 | 196  | 239929   | 20.704 | ng/ul | 96       |
| 40) 1,1'-Biphenyl              | 13.13 | 154  | 900992   | 21.144 | ng/ul | 100      |
| 41) 2-Chloronaphthalene        | 13.17 | 162  | 700259   | 21.255 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.38 | 65   | 205887   | 21.508 | ng/ul | 99       |
| 44) Dimethylphthalate          | 13.76 | 163  | 854776   | 21.414 | ng/ul | 99       |
| 45) 2,6-Dinitrotoluene         | 13.89 | 165  | 177490   | 21.899 | ng/ul | 98       |
| 47) Acenaphthylene             | 14.02 | 152  | 1103730  | 21.578 | ng/ul | 100      |
| 48) 3-Nitroaniline             | 14.21 | 138  | 172892   | 21.822 | ng/ul | 100      |
| 49) Acenaphthene               | 14.37 | 153  | 737350   | 21.423 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.43 | 184  | 72077    | 16.783 | ng/ul | 95       |
| 52) 4-Nitrophenol              | 14.53 | 109  | 111314   | 20.658 | ng/ul | 96       |
| 53) Dibenzofuran               | 14.70 | 168  | 1041649  | 21.447 | ng/ul | 99       |
| 54) 2,4-Dinitrotoluene         | 14.68 | 165  | 248176   | 21.812 | ng/ul | 97       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.93 | 232  | 205097   | 21.479 | ng/ul | 97       |
| 56) Diethylphthalate           | 15.13 | 149  | 854491   | 21.375 | ng/ul | 100      |
| 58) Fluorene                   | 15.36 | 166  | 819478   | 21.552 | ng/ul | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.35 | 204  | 412391   | 21.755 | ng/ul | 98       |
| 60) 4-Nitroaniline             | 15.38 | 138  | 202627   | 21.840 | ng/ul | 97       |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 144342   | 20.381 | ng/ul | 99       |
| 64) N-Nitrosodiphenylamine     | 15.57 | 169  | 723735   | 21.341 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.25 | 248  | 250328   | 20.899 | ng/ul | 98       |
| 66) Hexachlorobenzene          | 16.36 | 284  | 281378   | 21.390 | ng/ul | 97       |
| 67) Atrazine                   | 16.52 | 200  | 257363   | 21.153 | ng/ul | 99       |
| 68) Pentachlorophenol          | 16.71 | 266  | 144038   | 19.255 | ng/ul | 98       |
| 69) Phenanthrene               | 17.10 | 178  | 1280875  | 21.416 | ng/ul | 99       |
| 71) Anthracene                 | 17.19 | 178  | 1326186  | 21.698 | ng/ul | 98       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.09 | 216  | 371184   | 21.179 | ng/ul | 100      |
| 73) Pentachlorobenzene         | 14.63 | 250  | 336068   | 21.472 | ng/ul | 98       |
| 74) Carbazole                  | 17.46 | 167  | 1200298  | 21.985 | ng/ul | 99       |
| 75) Di-n-butylphthalate        | 18.03 | 149  | 1460594  | 21.032 | ng/ul | 100      |
| 76) Fluoranthene               | 19.13 | 202  | 1485109  | 22.156 | ng/ul | 100      |
| 79) Pvrene                     | 19.49 | 202  | 1530623  | 21.487 | ng/ul | 99       |
| 80) Butylbenzylphthalate       | 20.40 | 149  | 698429   | 20.950 | ng/ul | 95       |
| 81) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 548129   | 22.634 | ng/ul | 99       |
| 82) Benzo(a)anthracene         | 21.26 | 228  | 1543931  | 21.674 | ng/ul | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 1016070  | 21.109 | ng/ul | 99       |
| 84) Chrysene                   | 21.31 | 228  | 1453553  | 21.289 | ng/ul | 98       |
| 86) Di-n-octyl phthalate       | 22.07 | 149  | 1807994  | 22.395 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.84 | 252  | 1565036  | 21.941 | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 22.88 | 252  | 1493454  | 21.389 | ng/ul | 98       |
| 90) Benzo(a)pyrene             | 23.41 | 252  | 1507330  | 21.859 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.74 | 276  | 1781984  | 21.195 | ng/ul | 99       |
| 92) Dibenzo(a,h)anthracene     | 25.76 | 278  | 1503279  | 21.202 | ng/ul | 100      |
| 93) Benzo(g,h,i)perylene       | 26.43 | 276  | 1495251  | 20.922 | ng/ul | 98       |

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

