

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060419\  
 Data File : BN006089.D  
 Acq On : 05 Jun 2019 06:04  
 Operator : JU/SJ  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02010

Quant Time: Jun 05 06:38:38 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  | 313343   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.43 | 136  | 1335327  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.30 | 164  | 720422   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.05 | 188  | 1568970  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.27 | 240  | 1512223  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.50 | 264  | 1701888  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 64982   | 8.98  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 554436  | 22.15 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 321100  | 22.43 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.18  | 132 | 432885  | 21.52 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 410336  | 21.15 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.80  | 128 | 198993  | 20.88 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.52  | 143 | 219802  | 20.78 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 396945  | 20.76 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.57 | 131 | 495142  | 21.69 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.71 | 166 | 1063877 | 20.82 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.99 | 160 | 1416848 | 21.42 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 199894  | 22.15 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.30 | 176 | 918143  | 21.26 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 153644  | 17.50 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.15 | 188 | 1448188 | 21.63 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.46 | 212 | 1570362 | 21.49 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.36 | 264 | 1600579 | 21.12 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.19  | 88  | 68239   | 9.128  | ng/uL 98  |
| 4) Benzaldehyde                | 6.79  | 77  | 360082  | 21.191 | ng/ul 99  |
| 6) Phenol                      | 6.85  | 94  | 572282  | 22.365 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.08  | 93  | 437178  | 22.015 | ng/ul 97  |
| 10) 2-Chlorophenol             | 7.21  | 128 | 444437  | 21.638 | ng/ul 97  |
| 11) 2-Methylphenol             | 8.09  | 108 | 419712  | 21.861 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.18  | 45  | 610232  | 22.995 | ng/ul 99  |
| 14) Acetophenone               | 8.46  | 105 | 637405  | 21.720 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.45  | 70  | 334773  | 21.527 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.42  | 108 | 453476  | 21.985 | ng/ul 99  |
| 17) Hexachloroethane           | 8.72  | 117 | 179334  | 20.763 | ng/ul 98  |
| 20) Nitrobenzene               | 8.85  | 77  | 482811  | 21.417 | ng/ul 100 |
| 21) Isophorone                 | 9.36  | 82  | 918213  | 21.136 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.55  | 139 | 234674  | 21.014 | ng/ul 96  |
| 24) 2,4-Dimethylphenol         | 9.62  | 107 | 477896  | 21.076 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.85  | 93  | 568823  | 21.271 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.08 | 162 | 390913  | 20.987 | ng/ul 100 |
| 28) Naphthalene                | 10.48 | 128 | 1332654 | 21.162 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.59 | 127 | 494584  | 21.609 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.76 | 225 | 234741  | 19.714 | ng/ul 96  |
| 32) Caprolactam                | 11.35 | 113 | 131925  | 21.130 | ng/ul 99  |
| 33) 4-Chloro-3-methylphenol    | 11.73 | 107 | 428275  | 21.126 | ng/ul 97  |
| 34) 2-Methylnaphthalene        | 12.10 | 142 | 913686  | 20.814 | ng/ul 99  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.47 | 216  | 448364   | 20.791 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.45 | 237  | 189729   | 15.405 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.72 | 196  | 285831   | 20.714 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.79 | 196  | 311191   | 21.145 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.13 | 154  | 1146509  | 21.186 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.17 | 162  | 881796   | 21.076 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.38 | 65   | 266439   | 21.917 | ng/ul  | 97       |
| 44) Dimethylphthalate          | 13.76 | 163  | 1053703  | 20.787 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.89 | 165  | 215438   | 20.931 | ng/ul  | 100      |
| 47) Acenaphthylene             | 14.02 | 152  | 1394114  | 21.462 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.21 | 138  | 225477   | 22.410 | ng/ul  | 97       |
| 49) Acenaphthene               | 14.37 | 153  | 936905   | 21.434 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.43 | 184  | 84178    | 15.434 | ng/ul  | 96       |
| 52) 4-Nitrophenol              | 14.53 | 109  | 146738   | 21.444 | ng/ul  | 97       |
| 53) Dibenzofuran               | 14.70 | 168  | 1323657  | 21.460 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.68 | 165  | 316071   | 21.874 | ng/ul  | 100      |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.93 | 232  | 260963   | 21.520 | ng/ul  | 99       |
| 56) Diethylphthalate           | 15.13 | 149  | 1068132  | 21.040 | ng/ul  | 100      |
| 58) Fluorene                   | 15.36 | 166  | 1046009  | 21.662 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.35 | 204  | 512811   | 21.302 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.38 | 138  | 271298   | 23.026 | ng/ul  | 99       |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 162800   | 17.867 | ng/ul  | 96       |
| 64) N-Nitrosodiphenylamine     | 15.57 | 169  | 929879   | 21.313 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.25 | 248  | 310385   | 20.142 | ng/ul  | 96       |
| 66) Hexachlorobenzene          | 16.36 | 284  | 346694   | 20.486 | ng/ul  | 97       |
| 67) Atrazine                   | 16.52 | 200  | 319322   | 20.401 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.71 | 266  | 193686   | 20.126 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.10 | 178  | 1674605  | 21.764 | ng/ul  | 99       |
| 71) Anthracene                 | 17.19 | 178  | 1728029  | 21.976 | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.09 | 216  | 456519   | 20.247 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 14.63 | 250  | 410056   | 20.364 | ng/uL  | 99       |
| 74) Carbazole                  | 17.46 | 167  | 1600440  | 22.785 | ng/ul  | 100      |
| 75) Di-n-butylphthalate        | 18.03 | 149  | 1864700  | 20.871 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.12 | 202  | 1974141  | 22.893 | ng/ul  | 97       |
| 79) Pvrene                     | 19.49 | 202  | 2021386  | 21.743 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.40 | 149  | 911114   | 20.940 | ng/ul  | 96       |
| 81) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 692186   | 21.900 | ng/ul# | 98       |
| 82) Benzo(a)anthracene         | 21.25 | 228  | 1964802  | 21.134 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 1326908  | 21.122 | ng/ul  | 100      |
| 84) Chrysene                   | 21.30 | 228  | 1907467  | 21.406 | ng/ul  | 100      |
| 86) Di-n-octyl phthalate       | 22.07 | 149  | 2359161  | 22.974 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.83 | 252  | 1980934  | 21.835 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 22.88 | 252  | 1895054  | 21.338 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.40 | 252  | 1907916  | 21.753 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.74 | 276  | 2242591  | 20.971 | ng/ul  | 95       |
| 92) Dibenzo(a,h)anthracene     | 25.75 | 278  | 1887099  | 20.925 | ng/ul  | 99       |
| 93) Benzo(g,h,i)perylene       | 26.42 | 276  | 1879121  | 20.673 | ng/ul  | 98       |

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

