

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\  
 Data File : BM023717.D  
 Acq On : 14 Nov 2019 15:28  
 Operator : JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02018

Quant Time: Nov 15 06:25:33 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM11119MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Nov 14 03:45:07 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.53  | 152  | 378640   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.30 | 136  | 1618320  | 20.00 | ng/ul | -0.01    |
| 36) Acenaphthene-d10      | 14.19 | 164  | 1066903  | 20.00 | ng/ul | -0.01    |
| 62) Phenanthrene-d10      | 16.94 | 188  | 2269625  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.14 | 240  | 2395724  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.30 | 264  | 2744436  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.06  | 96  | 69393   | 7.55  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.72  | 99  | 645561  | 18.70 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.87  | 67  | 367586  | 18.53 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.07  | 132 | 494394  | 19.77 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.25  | 113 | 510542  | 18.54 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.68  | 128 | 241021  | 20.81 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.40  | 143 | 270627  | 22.23 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 9.94  | 165 | 542293  | 19.53 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.45 | 131 | 630867  | 20.69 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 13.61 | 166 | 1560010 | 18.75 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.87 | 160 | 1849486 | 19.48 | ng/ul | -0.01 |
| 52) 4-Nitrophenol-d4           | 14.42 | 143 | 275458  | 19.40 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.19 | 176 | 1365520 | 18.59 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.32 | 200 | 269632  | 20.54 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.04 | 188 | 2122486 | 19.71 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.34 | 212 | 2384787 | 19.09 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.17 | 264 | 2780461 | 19.25 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.10  | 88  | 72385   | 7.354  | ng/uL 97  |
| 4) Benzaldehyde                | 6.68  | 77  | 270718  | 13.370 | ng/ul 96  |
| 6) Phenol                      | 6.75  | 94  | 669990  | 18.843 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 6.97  | 93  | 519813  | 19.088 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.10  | 128 | 527671  | 20.464 | ng/ul 99  |
| 11) 2-Methylphenol             | 7.99  | 108 | 502801  | 18.946 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.07  | 45  | 506588  | 19.069 | ng/ul 98  |
| 14) Acetophenone               | 8.35  | 105 | 809591  | 18.854 | ng/ul 100 |
| 15) N-Nitroso-di-n-propylamine | 8.35  | 70  | 426511  | 18.906 | ng/ul 97  |
| 16) 4-Methylphenol             | 8.31  | 108 | 547242  | 18.623 | ng/ul 98  |
| 17) Hexachloroethane           | 8.60  | 117 | 209076  | 20.439 | ng/ul 99  |
| 20) Nitrobenzene               | 8.72  | 77  | 607452  | 19.834 | ng/ul 97  |
| 21) Isophorone                 | 9.25  | 82  | 1136111 | 19.016 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.43  | 139 | 298555  | 22.046 | ng/ul 99  |
| 24) 2,4-Dimethylphenol         | 9.50  | 107 | 611349  | 19.754 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.74  | 93  | 713893  | 19.040 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 9.96  | 162 | 534228  | 20.006 | ng/ul 99  |
| 28) Naphthalene                | 10.36 | 128 | 1658947 | 19.503 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.47 | 127 | 662678  | 21.148 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.65 | 225 | 349724  | 19.396 | ng/ul 98  |
| 32) Caprolactam                | 11.26 | 113 | 159612  | 18.444 | ng/ul 98  |
| 33) 4-Chloro-3-methylphenol    | 11.62 | 107 | 567759  | 19.155 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 11.98 | 142 | 1238270 | 19.030 | ng/ul 100 |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.20 | 142  | 1200414  | 18.706 | ng/ul | 100      |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.36 | 216  | 686485   | 19.692 | ng/ul | 97       |
| 38) Hexachlorocyclopentadiene  | 12.34 | 237  | 496128   | 27.169 | ng/ul | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.61 | 196  | 446370   | 20.766 | ng/ul | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.69 | 196  | 483382   | 20.649 | ng/ul | 98       |
| 41) 1,1'-Biphenyl              | 13.02 | 154  | 1656141  | 20.122 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 13.05 | 162  | 1272012  | 20.079 | ng/ul | 99       |
| 43) 2-Nitroaniline             | 13.26 | 65   | 338314   | 22.453 | ng/ul | 98       |
| 45) Dimethylphthalate          | 13.66 | 163  | 1585871  | 19.450 | ng/ul | 100      |
| 46) 2,6-Dinitrotoluene         | 13.77 | 165  | 322133   | 21.691 | ng/ul | 98       |
| 48) Acenaphthylene             | 13.90 | 152  | 1926935  | 20.159 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.10 | 138  | 278392   | 19.726 | ng/ul | 89       |
| 50) Acenaphthene               | 14.25 | 153  | 1344843  | 19.825 | ng/ul | 99       |
| 51) 2,4-Dinitrophenol          | 14.32 | 184  | 163308   | 17.442 | ng/ul | 94       |
| 53) 4-Nitrophenol              | 14.43 | 109  | 221137   | 19.294 | ng/ul | 97       |
| 54) Dibenzofuran               | 14.59 | 168  | 1956246  | 19.481 | ng/ul | 99       |
| 55) 2,4-Dinitrotoluene         | 14.57 | 165  | 471578   | 20.776 | ng/ul | 97       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.83 | 232  | 438497   | 19.790 | ng/ul | 98       |
| 57) Diethylphthalate           | 15.03 | 149  | 1576881  | 19.709 | ng/ul | 99       |
| 59) Fluorene                   | 15.24 | 166  | 1582608  | 19.426 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.24 | 204  | 833707   | 18.964 | ng/ul | 99       |
| 61) 4-Nitroaniline             | 15.27 | 138  | 299897   | 17.349 | ng/ul | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.34 | 198  | 301631   | 21.129 | ng/ul | 96       |
| 65) N-Nitrosodiphenylamine     | 15.46 | 169  | 1387080  | 20.830 | ng/ul | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.14 | 248  | 564605   | 20.356 | ng/ul | 98       |
| 67) Hexachlorobenzene          | 16.25 | 284  | 664950   | 20.348 | ng/ul | 100      |
| 68) Atrazine                   | 16.42 | 200  | 508968   | 20.404 | ng/ul | 99       |
| 69) Pentachlorophenol          | 16.60 | 266  | 359421   | 18.550 | ng/ul | 99       |
| 70) Phenanthrene               | 16.98 | 178  | 2554058  | 20.430 | ng/ul | 100      |
| 72) Anthracene                 | 17.07 | 178  | 2615613  | 20.807 | ng/ul | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.97 | 216  | 675691   | 20.999 | ng/uL | 100      |
| 74) Pentachlorobenzene         | 14.52 | 250  | 720664   | 20.271 | ng/uL | 99       |
| 75) Carbazole                  | 17.34 | 167  | 2296925  | 21.920 | ng/ul | 100      |
| 76) Di-n-butylphthalate        | 17.93 | 149  | 2660270  | 23.022 | ng/ul | 99       |
| 77) Fluoranthene               | 19.00 | 202  | 3067967  | 22.906 | ng/ul | 98       |
| 80) Pvrene                     | 19.37 | 202  | 3120541  | 20.151 | ng/ul | 100      |
| 81) Butylbenzylphthalate       | 20.29 | 149  | 1227474  | 25.027 | ng/ul | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.07 | 252  | 1080215  | 21.485 | ng/ul | 99       |
| 83) Benzo(a)anthracene         | 21.13 | 228  | 3210042  | 20.313 | ng/ul | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.08 | 149  | 1781668  | 24.060 | ng/ul | 99       |
| 85) Chrysene                   | 21.18 | 228  | 2988412  | 20.088 | ng/ul | 100      |
| 87) Di-n-octyl phthalate       | 21.94 | 149  | 2997486  | 22.346 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.66 | 252  | 3324596  | 19.003 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.70 | 252  | 3284770  | 19.489 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 23.21 | 252  | 3187827  | 19.904 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.45 | 276  | 3919404  | 22.886 | ng/ul | 100      |
| 93) Dibenzo(a,h)anthracene     | 25.46 | 278  | 3290183  | 22.765 | ng/ul | 99       |
| 94) Benzo(a,h,i)perylene       | 26.10 | 276  | 3245873  | 23.390 | ng/ul | 99       |

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

