

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112719\  
 Data File : BM023917.D  
 Acq On : 27 Nov 2019 17:57  
 Operator : JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02011

Manual Integrations  
 APPROVED

Sohil  
 11/29/2019 8:45:51 AM

Quant Time: Nov 27 18:33:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM112719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 27 17:16:22 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.49  | 152  | 356941   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.26 | 136  | 1520032  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.15 | 164  | 943494   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.90 | 188  | 1892789  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.11 | 240  | 1695796  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.26 | 264  | 1955267  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.03  | 96  | 70176   | 8.75  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.68  | 99  | 655722  | 20.96 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.84  | 67  | 390390  | 21.46 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.03  | 132 | 518016  | 21.42 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.21  | 113 | 521489  | 21.13 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.65  | 128 | 251733  | 21.34 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.36  | 143 | 291888  | 21.77 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.90  | 165 | 550087  | 21.66 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.41 | 131 | 655320  | 23.52 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.57 | 166 | 1565224 | 21.35 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.84 | 160 | 1872203 | 21.79 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.38 | 143 | 249882  | 20.27 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.15 | 176 | 1318682 | 21.38 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.29 | 200 | 234744  | 19.76 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.00 | 188 | 1938749 | 21.45 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.31 | 212 | 1931220 | 22.04 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.13 | 264 | 2215966 | 21.44 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.06  | 88  | 74796   | 8.693  | ng/uL 96  |
| 4) Benzaldehyde                | 6.65  | 77  | 418531  | 25.403 | ng/ul 98  |
| 6) Phenol                      | 6.71  | 94  | 662023  | 20.572 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 6.93  | 93  | 528132  | 21.106 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.06  | 128 | 528922  | 21.378 | ng/ul 98  |
| 11) 2-Methylphenol             | 7.95  | 108 | 497096  | 20.707 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.03  | 45  | 569490  | 20.961 | ng/ul 99  |
| 14) Acetophenone               | 8.32  | 105 | 802140  | 21.257 | ng/ul 100 |
| 15) N-Nitroso-di-n-propylamine | 8.30  | 70  | 442559  | 21.935 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.27  | 108 | 551273  | 21.101 | ng/ul 99  |
| 17) Hexachloroethane           | 8.55  | 117 | 214704  | 21.038 | ng/ul 97  |
| 20) Nitrobenzene               | 8.69  | 77  | 611853  | 21.349 | ng/ul 100 |
| 21) Isophorone                 | 9.22  | 82  | 1174328 | 21.584 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.39  | 139 | 306804  | 21.626 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.46  | 107 | 605821  | 21.163 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.70  | 93  | 732422  | 21.456 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 9.92  | 162 | 523774  | 21.465 | ng/ul 100 |
| 28) Naphthalene                | 10.31 | 128 | 1694739 | 21.148 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.43 | 127 | 672537  | 23.453 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.60 | 225 | 330079  | 21.423 | ng/ul 97  |
| 32) Caprolactam                | 11.23 | 113 | 150285m | 20.396 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.57 | 107 | 556747  | 21.558 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 11.94 | 142 | 1240502 | 21.319 | ng/ul 100 |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.16 | 142  | 1232084  | 21.567 | ng/ul | 96       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.32 | 216  | 629122   | 21.378 | ng/ul | 97       |
| 38) Hexachlorocyclopentadiene  | 12.30 | 237  | 249838   | 18.219 | ng/ul | 98       |
| 39) 2,4,6-Trichlorophenol      | 12.57 | 196  | 412469   | 21.515 | ng/ul | 98       |
| 40) 2,4,5-Trichlorophenol      | 12.64 | 196  | 439272   | 21.554 | ng/ul | 99       |
| 41) 1,1'-Biphenyl              | 12.97 | 154  | 1635289  | 21.452 | ng/ul | 98       |
| 42) 2-Chloronaphthalene        | 13.01 | 162  | 1246270  | 21.366 | ng/ul | 98       |
| 43) 2-Nitroaniline             | 13.23 | 65   | 328901   | 21.694 | ng/ul | 98       |
| 45) Dimethylphthalate          | 13.62 | 163  | 1525953  | 21.264 | ng/ul | 99       |
| 46) 2,6-Dinitrotoluene         | 13.74 | 165  | 308154   | 21.948 | ng/ul | 99       |
| 48) Acenaphthylene             | 13.87 | 152  | 1875596  | 21.588 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.07 | 138  | 286202   | 21.797 | ng/ul | 99       |
| 50) Acenaphthene               | 14.22 | 153  | 1316675  | 21.332 | ng/ul | 98       |
| 51) 2,4-Dinitrophenol          | 14.29 | 184  | 126636   | 16.920 | ng/ul | 98       |
| 53) 4-Nitrophenol              | 14.40 | 109  | 182591   | 20.105 | ng/ul | 97       |
| 54) Dibenzofuran               | 14.56 | 168  | 1860341  | 21.302 | ng/ul | 100      |
| 55) 2,4-Dinitrotoluene         | 14.54 | 165  | 440089   | 21.550 | ng/ul | 100      |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.79 | 232  | 384927   | 21.441 | ng/ul | 96       |
| 57) Diethylphthalate           | 15.00 | 149  | 1520783  | 21.178 | ng/ul | 100      |
| 59) Fluorene                   | 15.21 | 166  | 1501326  | 21.316 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.21 | 204  | 755206   | 21.284 | ng/ul | 99       |
| 61) 4-Nitroaniline             | 15.24 | 138  | 315123   | 21.275 | ng/ul | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.31 | 198  | 255590   | 20.030 | ng/ul | 99       |
| 65) N-Nitrosodiphenylamine     | 15.43 | 169  | 1307064  | 21.806 | ng/ul | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.10 | 248  | 494882   | 21.446 | ng/ul | 97       |
| 67) Hexachlorobenzene          | 16.22 | 284  | 568740   | 21.264 | ng/ul | 98       |
| 68) Atrazine                   | 16.39 | 200  | 438332   | 20.860 | ng/ul | 97       |
| 69) Pentachlorophenol          | 16.57 | 266  | 295159   | 19.475 | ng/ul | 98       |
| 70) Phenanthrene               | 16.94 | 178  | 2287443  | 21.393 | ng/ul | 100      |
| 72) Anthracene                 | 17.04 | 178  | 2334140  | 21.501 | ng/ul | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.94 | 216  | 615619   | 21.625 | ng/ul | 96       |
| 74) Pentachlorobenzene         | 14.48 | 250  | 661563   | 21.611 | ng/ul | 99       |
| 75) Carbazole                  | 17.32 | 167  | 1970110  | 20.958 | ng/ul | 99       |
| 76) Di-n-butylphthalate        | 17.89 | 149  | 2451169  | 20.970 | ng/ul | 99       |
| 77) Fluoranthene               | 18.97 | 202  | 2461634  | 21.467 | ng/ul | 99       |
| 80) Pvrene                     | 19.34 | 202  | 2518755  | 22.044 | ng/ul | 99       |
| 81) Butylbenzylphthalate       | 20.26 | 149  | 1040122  | 21.428 | ng/ul | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.04 | 252  | 883627   | 20.608 | ng/ul | 99       |
| 83) Benzo(a)anthracene         | 21.10 | 228  | 2430074  | 21.439 | ng/ul | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.05 | 149  | 1548852  | 21.468 | ng/ul | 100      |
| 85) Chrysene                   | 21.15 | 228  | 2263339  | 21.263 | ng/ul | 99       |
| 87) Di-n-octyl phthalate       | 21.91 | 149  | 2512570  | 21.976 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.63 | 252  | 2570244  | 21.256 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.67 | 252  | 2478756  | 21.595 | ng/ul | 100      |
| 91) Benzo(a)pyrene             | 23.17 | 252  | 2452188  | 21.448 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.39 | 276  | 3040805  | 21.419 | ng/ul | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.40 | 278  | 2559093  | 21.461 | ng/ul | 100      |
| 94) Benzo(a,h,i)perylene       | 26.04 | 276  | 2536413  | 21.333 | ng/ul | 100      |

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

