

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010819\  
 Data File : BM018461.D  
 Acq On : 08 Jan 2019 13:58  
 Operator : JU/SJ  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02012

Manual Integrations  
 APPROVED

Sohil  
 1/10/2019 8:24:14 AM

Quant Time: Jan 09 00:30:23 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM010719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 07 23:55:53 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 328000   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.56 | 136  | 1370886  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.41 | 164  | 786088   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.16 | 188  | 1793244  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.36 | 240  | 1994140  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.64 | 264  | 2053775  | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 60409   | 8.59  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.94  | 99  | 505391  | 19.54 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 292862  | 20.12 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 456898  | 20.17 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.47  | 113 | 415837  | 19.83 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.93  | 128 | 215401  | 20.53 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.65  | 143 | 217241  | 20.28 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.19 | 165 | 439840  | 20.35 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.71 | 131 | 361415  | 21.61 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.82 | 166 | 1349748 | 20.01 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.10 | 160 | 1670952 | 19.96 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.63 | 143 | 230401  | 19.79 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.40 | 176 | 1162811 | 20.09 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 189029  | 19.25 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.26 | 188 | 1778973 | 20.39 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.56 | 212 | 1990130 | 19.63 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.50 | 264 | 2234868 | 20.01 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 60030   | 8.263  | ng/uL 95  |
| 4) Benzaldehyde                | 6.92  | 77  | 95073   | 20.936 | ng/ul 94  |
| 6) Phenol                      | 6.97  | 94  | 503258  | 19.981 | ng/ul 97  |
| 8) Bis(2-Chloroethyl)ether     | 7.20  | 93  | 386460  | 19.861 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.33  | 128 | 453571  | 20.197 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.21  | 108 | 393510  | 19.865 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.29  | 45  | 493040  | 19.880 | ng/ul 97  |
| 14) Acetophenone               | 8.59  | 105 | 660516  | 20.469 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.57  | 70  | 307744  | 19.939 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.54  | 108 | 415478  | 19.978 | ng/ul 98  |
| 17) Hexachloroethane           | 8.83  | 117 | 190539  | 20.520 | ng/ul 98  |
| 20) Nitrobenzene               | 8.97  | 77  | 461470  | 20.152 | ng/ul 99  |
| 21) Isophorone                 | 9.49  | 82  | 840072  | 19.723 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.67  | 139 | 241222  | 20.829 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.73  | 107 | 488159  | 20.379 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.97  | 93  | 521312  | 19.750 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.21 | 162 | 426328  | 20.489 | ng/ul 98  |
| 28) Naphthalene                | 10.61 | 128 | 1433418 | 20.464 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.73 | 127 | 340869  | 20.695 | ng/ul 96  |
| 31) Hexachlorobutadiene        | 10.87 | 225 | 304177  | 21.450 | ng/ul 98  |
| 32) Caprolactam                | 11.54 | 113 | 118596m | 18.649 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.86 | 107 | 435984  | 20.721 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.22 | 142 | 1040381 | 20.271 | ng/ul 99  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.59 | 216  | 539790   | 20.214 | ng/ul | 97       |
| 37) Hexachlorocyclopentadiene  | 12.56 | 237  | 332701   | 20.695 | ng/ul | 96       |
| 38) 2,4,6-Trichlorophenol      | 12.84 | 196  | 328905   | 20.085 | ng/ul | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.92 | 196  | 350857   | 19.749 | ng/ul | 98       |
| 40) 1,1'-Biphenyl              | 13.24 | 154  | 1316993  | 20.090 | ng/ul | 99       |
| 41) 2-Chloronaphthalene        | 13.29 | 162  | 1044034  | 20.096 | ng/ul | 97       |
| 42) 2-Nitroaniline             | 13.50 | 65   | 251902   | 20.372 | ng/ul | 99       |
| 44) Dimethylphthalate          | 13.87 | 163  | 1319243  | 20.087 | ng/ul | 99       |
| 45) 2,6-Dinitrotoluene         | 14.00 | 165  | 254643   | 20.790 | ng/ul | 97       |
| 47) Acenaphthylene             | 14.13 | 152  | 1559113  | 20.206 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.33 | 138  | 217096   | 19.790 | ng/ul | 94       |
| 49) Acenaphthene               | 14.47 | 153  | 1096402  | 19.862 | ng/ul | 98       |
| 50) 2,4-Dinitrophenol          | 14.53 | 184  | 112945   | 19.177 | ng/ul | 95       |
| 52) 4-Nitrophenol              | 14.65 | 109  | 198564   | 20.575 | ng/ul | 95       |
| 53) Dibenzofuran               | 14.81 | 168  | 1563634  | 20.204 | ng/ul | 98       |
| 54) 2,4-Dinitrotoluene         | 14.78 | 165  | 375856   | 20.875 | ng/ul | 98       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.03 | 232  | 306207   | 20.443 | ng/ul | 97       |
| 56) Diethylphthalate           | 15.24 | 149  | 1321172  | 19.982 | ng/ul | 100      |
| 58) Fluorene                   | 15.46 | 166  | 1263045  | 20.132 | ng/ul | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.46 | 204  | 648353   | 20.194 | ng/ul | 99       |
| 60) 4-Nitroaniline             | 15.50 | 138  | 249058   | 19.104 | ng/ul | 99       |
| 63) 4,6-Dinitro-2-methylphenol | 15.54 | 198  | 205145   | 19.718 | ng/ul | 98       |
| 64) N-Nitrosodiphenylamine     | 15.67 | 169  | 1093404  | 20.205 | ng/ul | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.36 | 248  | 389982   | 20.242 | ng/ul | 95       |
| 66) Hexachlorobenzene          | 16.46 | 284  | 434863   | 20.452 | ng/ul | 96       |
| 67) Atrazine                   | 16.63 | 200  | 377144   | 19.755 | ng/ul | 98       |
| 68) Pentachlorophenol          | 16.81 | 266  | 237341   | 19.669 | ng/ul | 98       |
| 69) Phenanthrene               | 17.20 | 178  | 2044620  | 20.274 | ng/ul | 100      |
| 71) Anthracene                 | 17.29 | 178  | 2071982  | 20.332 | ng/ul | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.20 | 216  | 525160   | 20.203 | ng/ul | 97       |
| 73) Pentachlorobenzene         | 14.72 | 250  | 502867   | 20.209 | ng/ul | 95       |
| 74) Carbazole                  | 17.57 | 167  | 1827413  | 20.396 | ng/ul | 99       |
| 75) Di-n-butylphthalate        | 18.13 | 149  | 2086551  | 19.264 | ng/ul | 99       |
| 76) Fluoranthene               | 19.22 | 202  | 2418506  | 21.462 | ng/ul | 99       |
| 79) Pvrene                     | 19.59 | 202  | 2475943  | 19.619 | ng/ul | 100      |
| 80) Butylbenzylphthalate       | 20.49 | 149  | 968978   | 18.563 | ng/ul | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.28 | 252  | 826565   | 19.951 | ng/ul | 98       |
| 82) Benzo(a)anthracene         | 21.34 | 228  | 2556612  | 20.069 | ng/ul | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.26 | 149  | 1380922  | 17.783 | ng/ul | 100      |
| 84) Chrysene                   | 21.39 | 228  | 2383939  | 20.038 | ng/ul | 100      |
| 86) Di-n-octyl phthalate       | 22.16 | 149  | 2424145  | 18.762 | ng/ul | 100      |
| 87) Benzo(b)fluoranthene       | 22.95 | 252  | 2545683  | 19.969 | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 23.00 | 252  | 2490301  | 20.288 | ng/ul | 100      |
| 90) Benzo(a)pyrene             | 23.54 | 252  | 2476577  | 20.295 | ng/ul | 100      |
| 91) Indeno(1,2,3-cd)pyrene     | 25.96 | 276  | 2935092  | 20.411 | ng/ul | 99       |
| 92) Dibenzo(a,h)anthracene     | 25.98 | 278  | 2475498  | 20.672 | ng/ul | 99       |
| 93) Benzo(g,h,i)perylene       | 26.68 | 276  | 2430565  | 20.297 | ng/ul | 99       |

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

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