

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100418\  
 Data File : BM016994.D  
 Acq On : 04 Oct 2018 11:04  
 Operator : MJ/SJ  
 Sample : SSTD00542  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD00542

Quant Time: Oct 04 13:14:24 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 04 13:06:06 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 162486   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.48 | 136  | 687204   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.34 | 164  | 388189   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.09 | 188  | 913383   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.27 | 240  | 1061972  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.50 | 264  | 1121010  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 6897   | 1.82 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 0.00  | 99  | 0d     | 0.00 | ng/ul |      |
| 7) Bis-(2-Chloroethyl)ether-d  | 0.00  | 67  | 0d     | 0.00 | ng/ul |      |
| 9) 2-Chlorophenol-d4           | 7.23  | 132 | 53543  | 4.79 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 0.00  | 113 | 0d     | 0.00 | ng/ul |      |
| 19) Nitrobenzene-d5            | 8.85  | 128 | 22411  | 4.96 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.57  | 143 | 21226  | 5.17 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.10 | 165 | 48745  | 4.67 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 0.00  | 131 | 0d     | 0.00 | ng/ul |      |
| 44) Dimethylphthalate-d6       | 13.75 | 166 | 154855 | 4.97 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.03 | 160 | 185089 | 4.60 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0d     | 0.00 | ng/ul |      |
| 58) Fluorene-d10               | 15.33 | 176 | 138615 | 5.10 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0d     | 0.00 | ng/ul |      |
| 71) Anthracene-d10             | 17.19 | 188 | 210751 | 4.78 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.48 | 212 | 235335 | 4.57 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.36 | 264 | 271853 | 4.65 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Ovalue |     |
|--------------------------------|-------|-----|--------|-------|--------|-----|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 7740   | 1.958 | ng/uL# | 93  |
| 10) 2-Chlorophenol             | 7.27  | 128 | 52955  | 4.714 | ng/ul  | 98  |
| 15) N-Nitroso-di-n-propylamine | 8.50  | 70  | 35660  | 4.336 | ng/ul  | 99  |
| 17) Hexachloroethane           | 8.77  | 117 | 22593  | 5.120 | ng/ul  | 98  |
| 20) Nitrobenzene               | 8.89  | 77  | 57023  | 4.992 | ng/ul  | 97  |
| 21) Isophorone                 | 9.42  | 82  | 103825 | 4.574 | ng/ul  | 99  |
| 23) 2-Nitrophenol              | 9.60  | 139 | 25042  | 5.284 | ng/ul  | 96  |
| 24) 2,4-Dimethylphenol         | 9.66  | 107 | 56583  | 4.627 | ng/ul  | 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.90  | 93  | 69110  | 4.926 | ng/ul  | 99  |
| 27) 2,4-Dichlorophenol         | 10.13 | 162 | 49041  | 4.893 | ng/ul  | 99  |
| 28) Naphthalene                | 10.53 | 128 | 177883 | 5.034 | ng/ul  | 98  |
| 31) Hexachlorobutadiene        | 10.81 | 225 | 35209  | 5.204 | ng/ul  | 96  |
| 33) 4-Chloro-3-methylphenol    | 11.77 | 107 | 49700  | 4.731 | ng/ul  | 98  |
| 34) 2-Methylnaphthalene        | 12.15 | 142 | 122260 | 4.911 | ng/ul  | 99  |
| 35) 1-Methylnaphthalene        | 12.36 | 142 | 118734 | 4.769 | ng/ul# | 100 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.52 | 216 | 66258  | 4.970 | ng/ul  | 98  |
| 39) 2,4,6-Trichlorophenol      | 12.76 | 196 | 37562  | 4.948 | ng/ul  | 94  |
| 40) 2,4,5-Trichlorophenol      | 12.83 | 196 | 40946  | 4.942 | ng/ul  | 98  |
| 41) 1,1'-Biphenyl              | 13.17 | 154 | 160409 | 4.967 | ng/ul  | 97  |
| 42) 2-Chloronaphthalene        | 13.20 | 162 | 125040 | 4.948 | ng/ul  | 98  |
| 43) 2-Nitroaniline             | 13.42 | 65  | 20059  | 3.603 | ng/ul  | 95  |
| 45) Dimethylphthalate          | 13.80 | 163 | 154047 | 5.057 | ng/ul  | 99  |
| 46) 2,6-Dinitrotoluene         | 13.92 | 165 | 17781  | 3.800 | ng/ul# | 83  |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 48) Acenaphthylene             | 14.06 | 152  | 181235   | 4.756 | ng/ul | 100      |
| 50) Acenaphthene               | 14.40 | 153  | 134438   | 4.969 | ng/ul | 99       |
| 54) Dibenzofuran               | 14.74 | 168  | 192386   | 5.183 | ng/ul | 96       |
| 55) 2,4-Dinitrotoluene         | 14.71 | 165  | 31778    | 4.619 | ng/ul | 98       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.97 | 232  | 36036    | 5.377 | ng/ul | 99       |
| 57) Diethylphthalate           | 15.17 | 149  | 146762   | 4.863 | ng/ul | 98       |
| 59) Fluorene                   | 15.39 | 166  | 155187   | 5.089 | ng/ul | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.39 | 204  | 81583    | 5.277 | ng/ul | 97       |
| 65) N-Nitrosodiphenylamine     | 15.60 | 169  | 128792   | 4.558 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.29 | 248  | 49244    | 4.765 | ng/ul | 99       |
| 67) Hexachlorobenzene          | 16.39 | 284  | 58056    | 5.220 | ng/ul | 97       |
| 70) Phenanthrene               | 17.13 | 178  | 257485   | 5.075 | ng/ul | 99       |
| 72) Anthracene                 | 17.22 | 178  | 255406   | 4.903 | ng/ul | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.13 | 216  | 71186    | 4.709 | ng/uL | 98       |
| 74) Pentachlorobenzene         | 14.66 | 250  | 67973    | 4.985 | ng/uL | 98       |
| 76) Di-n-butylphthalate        | 18.06 | 149  | 224894   | 4.221 | ng/ul | 99       |
| 80) Pyrene                     | 19.51 | 202  | 304928   | 4.676 | ng/ul | 99       |
| 81) Butylbenzylphthalate       | 20.42 | 149  | 88704    | 3.678 | ng/ul | 100      |
| 83) Benzo(a)anthracene         | 21.26 | 228  | 317041   | 4.822 | ng/ul | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 141568   | 3.735 | ng/ul | 97       |
| 85) Chrysene                   | 21.31 | 228  | 312701   | 5.100 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.83 | 252  | 324213   | 4.832 | ng/ul | 98       |
| 89) Benzo(k)fluoranthene       | 22.88 | 252  | 307656   | 4.775 | ng/ul | 98       |
| 91) Benzo(a)pyrene             | 23.40 | 252  | 312643   | 4.888 | ng/ul | 96       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.72 | 276  | 374459   | 4.908 | ng/ul | 97       |
| 93) Dibenzo(a,h)anthracene     | 25.74 | 278  | 306959   | 4.810 | ng/ul | 98       |
| 94) Benzo(g,h,i)perylene       | 26.40 | 276  | 312977   | 4.947 | ng/ul | 99       |

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

