

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011216\  
 Data File : BM003947.D  
 Acq On : 12 Jan 2016 10:18  
 Operator : SJ/UM  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02048

Quant Time: Jan 12 13:48:32 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 12 00:35:37 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 45411    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.46 | 136  | 213911   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.32 | 164  | 124715   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.07 | 188  | 260672   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.28 | 240  | 235388   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.51 | 264  | 214479   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 7683   | 7.57  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 77716  | 20.61 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 45814  | 21.50 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 63626  | 20.53 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.38  | 113 | 64137  | 20.99 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.83  | 128 | 30540  | 18.95 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.55  | 143 | 31840  | 18.03 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 61410  | 19.57 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.60 | 131 | 71505  | 17.26 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.73 | 166 | 193547 | 19.77 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.02 | 160 | 243730 | 20.43 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.54 | 143 | 30531  | 17.36 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.32 | 176 | 168767 | 20.32 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 25644  | 17.45 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.17 | 188 | 246209 | 20.42 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.47 | 212 | 243009 | 19.93 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.37 | 264 | 218571 | 20.40 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 8892   | 7.55  | ng/uL | 97     |
| 4) Benzaldehyde                | 6.81  | 77  | 50603  | 22.89 | ng/ul | 99     |
| 6) Phenol                      | 6.87  | 94  | 85274  | 21.44 | ng/ul | 98     |
| 8) Bis(2-Chloroethyl)ether     | 7.10  | 93  | 64694  | 21.61 | ng/ul | 97     |
| 10) 2-Chlorophenol             | 7.23  | 128 | 67323  | 20.79 | ng/ul | 96     |
| 11) 2-Methylphenol             | 8.12  | 108 | 64698  | 21.28 | ng/ul | 98     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 74837  | 22.75 | ng/ul | 95     |
| 14) Acetophenone               | 8.49  | 105 | 108296 | 22.76 | ng/ul | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.47  | 70  | 53495  | 22.40 | ng/ul | 96     |
| 16) 4-Methylphenol             | 8.45  | 108 | 73203  | 22.20 | ng/ul | 99     |
| 17) Hexachloroethane           | 8.73  | 117 | 25435  | 20.34 | ng/ul | 93     |
| 20) Nitrobenzene               | 8.87  | 77  | 77282  | 20.35 | ng/ul | 98     |
| 21) Isophorone                 | 9.39  | 82  | 144667 | 20.51 | ng/ul | 98     |
| 23) 2-Nitrophenol              | 9.57  | 139 | 38027  | 19.41 | ng/ul | 94     |
| 24) 2,4-Dimethylphenol         | 9.64  | 107 | 81609  | 20.77 | ng/ul | 98     |
| 25) Bis(2-Chloroethoxy)methane | 9.87  | 93  | 90196  | 20.69 | ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 10.11 | 162 | 65865  | 20.35 | ng/ul | 98     |
| 28) Naphthalene                | 10.50 | 128 | 232460 | 20.86 | ng/ul | 100    |
| 30) 4-Chloroaniline            | 10.62 | 127 | 76795  | 18.31 | ng/ul | 100    |
| 31) Hexachlorobutadiene        | 10.79 | 225 | 39523  | 19.84 | ng/ul | 99     |
| 32) Caprolactam                | 11.37 | 113 | 18250  | 17.63 | ng/ul | 90     |
| 33) 4-Chloro-3-methylphenol    | 11.76 | 107 | 75339  | 20.81 | ng/ul | 98     |
| 34) 2-Methylnaphthalene        | 12.13 | 142 | 169880 | 21.56 | ng/ul | 99     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.34 | 142  | 160455   | 21.45 | ng/ul | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216  | 80006    | 20.06 | ng/ul | 99       |
| 38) Hexachlorocyclopentadiene  | 12.48 | 237  | 35267    | 16.87 | ng/ul | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.74 | 196  | 48292    | 18.79 | ng/ul | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.82 | 196  | 54335    | 19.50 | ng/ul | 99       |
| 41) 1,1'-Biphenyl              | 13.15 | 154  | 217665   | 20.72 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 13.19 | 162  | 163796   | 20.79 | ng/ul | 98       |
| 43) 2-Nitroaniline             | 13.40 | 65   | 42085    | 19.20 | ng/ul | 94       |
| 45) Dimethylphthalate          | 13.78 | 163  | 204435   | 20.48 | ng/ul | 99       |
| 46) 2,6-Dinitrotoluene         | 13.91 | 165  | 39419    | 20.04 | ng/ul | 96       |
| 48) Acenaphthylene             | 14.04 | 152  | 270952   | 20.73 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.23 | 138  | 38538    | 18.07 | ng/ul | 93       |
| 50) Acenaphthene               | 14.39 | 153  | 181382   | 20.99 | ng/ul | 99       |
| 51) 2,4-Dinitrophenol          | 14.45 | 184  | 13793    | 14.45 | ng/ul | 94       |
| 53) 4-Nitrophenol              | 14.56 | 109  | 25114    | 18.07 | ng/ul | 94       |
| 54) Dibenzofuran               | 14.72 | 168  | 252940   | 20.91 | ng/ul | 99       |
| 55) 2,4-Dinitrotoluene         | 14.70 | 165  | 58391    | 20.43 | ng/ul | 93       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.96 | 232  | 42503    | 19.04 | ng/ul | 100      |
| 57) Diethylphthalate           | 15.15 | 149  | 201134   | 19.88 | ng/ul | 100      |
| 59) Fluorene                   | 15.37 | 166  | 204787   | 21.34 | ng/ul | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.37 | 204  | 96759    | 20.91 | ng/ul | 96       |
| 61) 4-Nitroaniline             | 15.40 | 138  | 44826    | 20.08 | ng/ul | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.46 | 198  | 29067    | 18.52 | ng/ul | 95       |
| 65) N-Nitrosodiphenylamine     | 15.59 | 169  | 172161   | 21.03 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.26 | 248  | 54523    | 20.16 | ng/ul | 98       |
| 67) Hexachlorobenzene          | 16.38 | 284  | 60627    | 20.52 | ng/ul | 98       |
| 68) Atrazine                   | 16.54 | 200  | 54309    | 19.14 | ng/ul | 99       |
| 69) Pentachlorophenol          | 16.73 | 266  | 24119    | 16.77 | ng/ul | 100      |
| 70) Phenanthrene               | 17.12 | 178  | 307084   | 20.95 | ng/ul | 99       |
| 72) Anthracene                 | 17.20 | 178  | 315841   | 21.01 | ng/ul | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.12 | 216  | 74635    | 17.85 | ng/uL | 99       |
| 74) Pentachlorobenzene         | 14.64 | 250  | 74009    | 19.94 | ng/uL | 99       |
| 75) Carbazole                  | 17.48 | 167  | 270870   | 20.48 | ng/ul | 99       |
| 76) Di-n-butylphthalate        | 18.04 | 149  | 294432   | 18.23 | ng/ul | 100      |
| 77) Fluoranthene               | 19.14 | 202  | 318168   | 20.89 | ng/ul | 98       |
| 80) Pyrene                     | 19.50 | 202  | 337039   | 21.09 | ng/ul | 97       |
| 81) Butylbenzylphthalate       | 20.41 | 149  | 106488   | 16.51 | ng/ul | 93       |
| 82) 3,3'-Dichlorobenzidine     | 21.20 | 252  | 84412    | 20.70 | ng/ul | 99       |
| 83) Benzo(a)anthracene         | 21.26 | 228  | 290849   | 20.75 | ng/ul | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 147084   | 17.23 | ng/ul | 100      |
| 85) Chrysene                   | 21.31 | 228  | 273690   | 20.55 | ng/ul | 100      |
| 87) Di-n-octyl phthalate       | 22.07 | 149  | 249175   | 17.43 | ng/ul | 99       |
| 88) Benzo(b)fluoranthene       | 22.84 | 252  | 277895   | 21.31 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.89 | 252  | 255974   | 20.63 | ng/ul | 98       |
| 91) Benzo(a)pyrene             | 23.41 | 252  | 261279   | 21.13 | ng/ul | 98       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.77 | 276  | 298021   | 21.79 | ng/ul | 97       |
| 93) Dibenzo(a,h)anthracene     | 25.77 | 278  | 250226   | 21.78 | ng/ul | 98       |
| 94) Benzo(g,h,i)perylene       | 26.46 | 276  | 251804   | 21.92 | ng/ul | 98       |

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

