

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG082615\  
 Data File : BG018507.D  
 Acq On : 26 Aug 2015 12:55  
 Operator : UM/MA  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02013

Quant Time: Aug 26 13:46:00 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 26 13:37:33 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.01  | 152  | 80828    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.82 | 136  | 358907   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.64 | 164  | 235759   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.39 | 188  | 608213   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.64 | 240  | 625446   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.84 | 264  | 630406   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.44  | 96  | 13567  | 7.42  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.17  | 99  | 144185 | 19.65 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.33  | 67  | 87009  | 19.14 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.54  | 132 | 105826 | 18.84 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.71  | 113 | 123480 | 20.03 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.17  | 128 | 56255  | 20.11 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.89  | 143 | 55702  | 19.55 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.43 | 165 | 126414 | 20.90 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.95 | 131 | 169452 | 24.79 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.04 | 166 | 406745 | 20.51 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.34 | 160 | 501924 | 20.09 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.83 | 143 | 80588  | 22.59 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.63 | 176 | 356882 | 20.66 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.75 | 200 | 56634  | 18.93 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.49 | 188 | 587383 | 20.19 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.76 | 212 | 656967 | 20.25 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.62 | 264 | 671829 | 20.07 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.48  | 88  | 14423  | 7.37 ng/uL#  | 77     |
| 4) Benzaldehyde                | 7.14  | 77  | 97964  | 22.76 ng/ul  | 96     |
| 6) Phenol                      | 7.20  | 94  | 146107 | 19.53 ng/ul  | 93     |
| 8) Bis(2-Chloroethyl)ether     | 7.43  | 93  | 115651 | 20.09 ng/ul  | 98     |
| 10) 2-Chlorophenol             | 7.57  | 128 | 109638 | 19.15 ng/ul  | 93     |
| 11) 2-Methylphenol             | 8.45  | 108 | 116687 | 20.11 ng/ul  | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.54  | 45  | 146880 | 15.90 ng/ul  | 98     |
| 14) Acetophenone               | 8.83  | 105 | 185823 | 20.87 ng/ul# | 94     |
| 15) N-Nitroso-di-n-propylamine | 8.81  | 70  | 99536  | 19.48 ng/ul  | 88     |
| 16) 4-Methylphenol             | 8.78  | 108 | 125632 | 19.84 ng/ul  | 95     |
| 17) Hexachloroethane           | 9.09  | 117 | 43585  | 17.66 ng/ul  | 93     |
| 20) Nitrobenzene               | 9.21  | 77  | 137318 | 19.45 ng/ul  | 92     |
| 21) Isophorone                 | 9.74  | 82  | 275137 | 20.26 ng/ul  | 99     |
| 23) 2-Nitrophenol              | 9.92  | 139 | 64348  | 20.34 ng/ul# | 86     |
| 24) 2,4-Dimethylphenol         | 9.98  | 107 | 135932 | 19.17 ng/ul  | 95     |
| 25) Bis(2-Chloroethoxy)methane | 10.22 | 93  | 167396 | 19.78 ng/ul  | 98     |
| 27) 2,4-Dichlorophenol         | 10.46 | 162 | 117431 | 20.73 ng/ul  | 98     |
| 28) Naphthalene                | 10.87 | 128 | 387299 | 20.41 ng/ul  | 98     |
| 30) 4-Chloroaniline            | 10.97 | 127 | 165617 | 23.82 ng/ul  | 98     |
| 31) Hexachlorobutadiene        | 11.16 | 225 | 66950  | 18.71 ng/ul# | 89     |
| 32) Caprolactam                | 11.72 | 113 | 40136  | 17.59 ng/ul  | 84     |
| 33) 4-Chloro-3-methylphenol    | 12.09 | 107 | 134848 | 20.54 ng/ul  | 99     |
| 34) 2-Methylnaphthalene        | 12.47 | 142 | 283378 | 20.63 ng/ul  | 94     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.69 | 142  | 282517   | 21.06 | ng/ul  | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.84 | 216  | 148245   | 19.61 | ng/ul  | 96       |
| 38) Hexachlorocyclopentadiene  | 12.82 | 237  | 70977    | 15.77 | ng/ul  | 92       |
| 39) 2,4,6-Trichlorophenol      | 13.07 | 196  | 100468   | 19.51 | ng/ul  | 96       |
| 40) 2,4,5-Trichlorophenol      | 13.14 | 196  | 107185   | 19.36 | ng/ul  | 96       |
| 41) 1,1'-Biphenyl              | 13.48 | 154  | 386448   | 19.64 | ng/ul  | 96       |
| 42) 2-Chloronaphthalene        | 13.52 | 162  | 295486   | 19.33 | ng/ul  | 96       |
| 43) 2-Nitroaniline             | 13.71 | 65   | 96550    | 19.57 | ng/ul  | 87       |
| 45) Dimethylphthalate          | 14.09 | 163  | 389742   | 19.92 | ng/ul  | 97       |
| 46) 2,6-Dinitrotoluene         | 14.21 | 165  | 82618    | 21.20 | ng/ul  | 91       |
| 48) Acenaphthylene             | 14.37 | 152  | 517723   | 20.67 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.54 | 138  | 97370    | 24.50 | ng/ul  | 87       |
| 50) Acenaphthene               | 14.71 | 153  | 357157   | 20.32 | ng/ul  | 99       |
| 51) 2,4-Dinitrophenol          | 14.74 | 184  | 35488    | 18.67 | ng/ul# | 86       |
| 53) 4-Nitrophenol              | 14.85 | 109  | 57115    | 18.41 | ng/ul  | 96       |
| 54) Dibenzofuran               | 15.04 | 168  | 480549   | 20.93 | ng/ul  | 97       |
| 55) 2,4-Dinitrotoluene         | 14.99 | 165  | 120940   | 21.75 | ng/ul  | 89       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.26 | 232  | 97358    | 20.18 | ng/ul# | 98       |
| 57) Diethylphthalate           | 15.45 | 149  | 412222   | 19.83 | ng/ul  | 99       |
| 59) Fluorene                   | 15.69 | 166  | 412358   | 20.87 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.68 | 204  | 187674   | 20.07 | ng/ul  | 96       |
| 61) 4-Nitroaniline             | 15.70 | 138  | 102121   | 23.26 | ng/ul  | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 15.76 | 198  | 60266    | 18.89 | ng/ul# | 95       |
| 65) N-Nitrosodiphenylamine     | 15.89 | 169  | 350069   | 19.13 | ng/ul  | 96       |
| 66) 4-Bromophenyl-phenylether  | 16.57 | 248  | 125696   | 19.11 | ng/ul  | 98       |
| 67) Hexachlorobenzene          | 16.69 | 284  | 139545   | 20.06 | ng/ul  | 94       |
| 68) Atrazine                   | 16.83 | 200  | 144221   | 21.06 | ng/ul  | 99       |
| 69) Pentachlorophenol          | 17.03 | 266  | 82116    | 17.63 | ng/ul  | 98       |
| 70) Phenanthrene               | 17.43 | 178  | 672919   | 20.39 | ng/ul  | 98       |
| 72) Anthracene                 | 17.51 | 178  | 688039   | 20.46 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.44 | 216  | 155906   | 18.53 | ng/uL  | 96       |
| 74) Pentachlorobenzene         | 14.96 | 250  | 148160   | 18.44 | ng/uL  | 91       |
| 75) Carbazole                  | 17.78 | 167  | 673498   | 22.84 | ng/ul  | 100      |
| 76) Di-n-butylphthalate        | 18.34 | 149  | 796471   | 20.68 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.43 | 202  | 831076   | 23.58 | ng/ul  | 99       |
| 80) Pyrene                     | 19.79 | 202  | 844351   | 19.97 | ng/ul  | 99       |
| 81) Butylbenzylphthalate       | 20.68 | 149  | 345521   | 19.31 | ng/ul  | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.54 | 252  | 277404   | 21.36 | ng/ul  | 97       |
| 83) Benzo(a)anthracene         | 21.63 | 228  | 770313   | 19.86 | ng/ul  | 96       |
| 84) Bis(2-ethylhexyl)phthalate | 21.54 | 149  | 492028   | 19.47 | ng/ul  | 100      |
| 85) Chrysene                   | 21.69 | 228  | 720847   | 19.88 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 22.74 | 149  | 836074   | 20.55 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 23.82 | 252  | 775595   | 19.58 | ng/ul  | 99       |
| 89) Benzo(k)fluoranthene       | 23.90 | 252  | 759960   | 19.93 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 24.69 | 252  | 752409   | 19.98 | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 28.48 | 276  | 846644   | 19.43 | ng/ul  | 95       |
| 94) Benzo(g,h,i)perylene       | 29.62 | 276  | 715155   | 19.54 | ng/ul  | 97       |

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

