

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\  
 Data File : BG018282.D  
 Acq On : 5 Aug 2015 22:02  
 Operator : UM/TP  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02066

Quant Time: Aug 06 03:40:47 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 06 02:25:31 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 41582    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.21 | 136  | 188047   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.12 | 164  | 129358   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.87 | 188  | 322957   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.08 | 240  | 334697   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.24 | 264  | 269420   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.91  | 96  | 4187   | 8.69  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.64  | 99  | 61999  | 18.96 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.78  | 67  | 30501  | 19.30 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.97  | 132 | 50864  | 18.68 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.17  | 113 | 51895  | 18.80 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.59  | 128 | 27860  | 19.13 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.30  | 143 | 32423  | 19.25 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.86  | 165 | 60768  | 19.63 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.36 | 131 | 75440  | 20.34 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.53 | 166 | 192011 | 19.19 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.80 | 160 | 221153 | 19.49 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.37 | 143 | 30313  | 18.36 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.11 | 176 | 173432 | 19.30 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.26 | 200 | 40309  | 18.03 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.97 | 188 | 272834 | 19.21 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.28 | 212 | 299631 | 16.00 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.11 | 264 | 279680 | 19.95 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 2.94  | 88  | 4604   | 8.65 ng/uL#  | 87     |
| 4) Benzaldehyde                | 6.58  | 77  | 36474  | 21.83 ng/ul  | 96     |
| 6) Phenol                      | 6.67  | 94  | 61987  | 19.07 ng/ul  | 99     |
| 8) Bis(2-Chloroethyl)ether     | 6.87  | 93  | 44837  | 18.85 ng/ul  | 96     |
| 10) 2-Chlorophenol             | 7.00  | 128 | 50348  | 19.17 ng/ul  | 96     |
| 11) 2-Methylphenol             | 7.90  | 108 | 49762  | 18.75 ng/ul  | 98     |
| 12) 2,2'-oxybis(1-Chloropropan | 7.98  | 45  | 36182  | 19.84 ng/ul# | 85     |
| 14) Acetophenone               | 8.25  | 105 | 84606  | 19.07 ng/ul  | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.25  | 70  | 41987  | 17.90 ng/ul  | 97     |
| 16) 4-Methylphenol             | 8.23  | 108 | 55263  | 18.58 ng/ul  | 89     |
| 17) Hexachloroethane           | 8.49  | 117 | 23898  | 19.22 ng/ul# | 93     |
| 20) Nitrobenzene               | 8.63  | 77  | 67545  | 20.62 ng/ul  | 95     |
| 21) Isophorone                 | 9.15  | 82  | 127645 | 19.46 ng/ul  | 97     |
| 23) 2-Nitrophenol              | 9.34  | 139 | 33408  | 18.56 ng/ul  | 97     |
| 24) 2,4-Dimethylphenol         | 9.42  | 107 | 73708  | 19.46 ng/ul  | 95     |
| 25) Bis(2-Chloroethoxy)methane | 9.64  | 93  | 62934  | 18.71 ng/ul  | 98     |
| 27) 2,4-Dichlorophenol         | 9.88  | 162 | 56561  | 19.76 ng/ul  | 92     |
| 28) Naphthalene                | 10.26 | 128 | 167901 | 18.99 ng/ul  | 97     |
| 30) 4-Chloroaniline            | 10.39 | 127 | 75476  | 20.30 ng/ul  | 94     |
| 31) Hexachlorobutadiene        | 10.54 | 225 | 42834  | 19.85 ng/ul  | 95     |
| 32) Caprolactam                | 11.14 | 113 | 24612m | 18.47 ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 11.55 | 107 | 70543  | 19.41 ng/ul  | 95     |
| 34) 2-Methylnaphthalene        | 11.90 | 142 | 134973 | 19.02 ng/ul  | 93     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.12 | 142  | 129469   | 18.89 | ng/ul  | 95       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.28 | 216  | 73840    | 19.52 | ng/ul  | 89       |
| 38) Hexachlorocyclopentadiene  | 12.25 | 237  | 30256    | 17.76 | ng/ul  | 92       |
| 39) 2,4,6-Trichlorophenol      | 12.54 | 196  | 49996    | 20.15 | ng/ul  | 94       |
| 40) 2,4,5-Trichlorophenol      | 12.61 | 196  | 50749    | 19.09 | ng/ul  | 89       |
| 41) 1,1'-Biphenyl              | 12.94 | 154  | 175851   | 19.73 | ng/ul  | 97       |
| 42) 2-Chloronaphthalene        | 12.98 | 162  | 136657   | 19.54 | ng/ul  | 96       |
| 43) 2-Nitroaniline             | 13.19 | 65   | 45911    | 19.56 | ng/ul  | 92       |
| 45) Dimethylphthalate          | 13.58 | 163  | 189979   | 19.03 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene         | 13.70 | 165  | 44269    | 19.27 | ng/ul  | 95       |
| 48) Acenaphthylene             | 13.83 | 152  | 226289   | 19.37 | ng/ul  | 98       |
| 49) 3-Nitroaniline             | 14.03 | 138  | 38223    | 19.04 | ng/ul  | 95       |
| 50) Acenaphthene               | 14.18 | 153  | 146222   | 19.34 | ng/ul  | 95       |
| 51) 2,4-Dinitrophenol          | 14.26 | 184  | 20396    | 16.66 | ng/ul  | 90       |
| 53) 4-Nitrophenol              | 14.38 | 109  | 34885    | 18.83 | ng/ul  | 89       |
| 54) Dibenzofuran               | 14.52 | 168  | 214875   | 19.31 | ng/ul  | 98       |
| 55) 2,4-Dinitrotoluene         | 14.50 | 165  | 66048    | 19.78 | ng/ul# | 99       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.76 | 232  | 47773    | 19.64 | ng/ul  | 95       |
| 57) Diethylphthalate           | 14.96 | 149  | 204605   | 19.33 | ng/ul  | 97       |
| 59) Fluorene                   | 15.17 | 166  | 188599   | 19.30 | ng/ul  | 96       |
| 60) 4-Chlorophenyl-phenylether | 15.17 | 204  | 101170   | 19.17 | ng/ul  | 97       |
| 61) 4-Nitroaniline             | 15.21 | 138  | 40323    | 18.41 | ng/ul  | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 15.28 | 198  | 41451    | 18.52 | ng/ul# | 96       |
| 65) N-Nitrosodiphenylamine     | 15.39 | 169  | 161889   | 19.06 | ng/ul  | 95       |
| 66) 4-Bromophenyl-phenylether  | 16.07 | 248  | 71301    | 19.46 | ng/ul  | 92       |
| 67) Hexachlorobenzene          | 16.18 | 284  | 84692    | 19.76 | ng/ul  | 99       |
| 68) Atrazine                   | 16.35 | 200  | 74294    | 19.23 | ng/ul  | 97       |
| 69) Pentachlorophenol          | 16.54 | 266  | 25699m   | 15.60 | ng/ul  |          |
| 70) Phenanthrene               | 16.91 | 178  | 315955   | 19.39 | ng/ul  | 99       |
| 72) Anthracene                 | 17.01 | 178  | 313023   | 19.24 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.90 | 216  | 75465    | 19.62 | ng/uL  | 93       |
| 74) Pentachlorobenzene         | 14.44 | 250  | 83798    | 19.49 | ng/uL  | 89       |
| 75) Carbazole                  | 17.28 | 167  | 270914   | 19.74 | ng/ul  | 96       |
| 76) Di-n-butylphthalate        | 17.85 | 149  | 361692   | 18.79 | ng/ul  | 98       |
| 77) Fluoranthene               | 18.95 | 202  | 377193   | 20.86 | ng/ul  | 99       |
| 80) Pvrene                     | 19.31 | 202  | 374249   | 16.08 | ng/ul  | 99       |
| 81) Butylbenzylphthalate       | 20.23 | 149  | 159720   | 17.70 | ng/ul  | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.01 | 252  | 139831   | 19.30 | ng/ul# | 99       |
| 83) Benzo(a)anthracene         | 21.07 | 228  | 348847   | 19.75 | ng/ul  | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.01 | 149  | 216706   | 19.95 | ng/ul  | 97       |
| 85) Chrysene                   | 21.12 | 228  | 317726   | 20.02 | ng/ul  | 97       |
| 87) Di-n-octyl phthalate       | 21.87 | 149  | 316135   | 17.81 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.59 | 252  | 330266   | 19.99 | ng/ul  | 99       |
| 89) Benzo(k)fluoranthene       | 22.64 | 252  | 297227   | 18.76 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 23.15 | 252  | 286534   | 19.86 | ng/ul  | 95       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.41 | 276  | 306378   | 17.17 | ng/ul  | 98       |
| 93) Dibenzo(a,h)anthracene     | 25.43 | 278  | 261683   | 16.71 | ng/ul  | 99       |
| 94) Benzo(a,h,i)perylene       | 26.08 | 276  | 250403   | 17.29 | ng/ul  | 95       |

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| Internal Standards                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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