

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061915\  
 Data File : BG017727.D  
 Acq On : 19 Jun 2015 13:10  
 Operator : TP/IZ  
 Sample : SSTD01015  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD01015

Quant Time: Jun 19 14:44:12 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG061915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 19 14:26:48 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 57788    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.40 | 136  | 261868   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.27 | 164  | 161815   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.02 | 188  | 346953   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.22 | 240  | 360668   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.45 | 264  | 342522   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 4871   | 4.02  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.79  | 99  | 46949  | 10.58 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 27100  | 10.90 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 39572  | 11.27 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 38485  | 10.80 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.76  | 128 | 19803  | 10.92 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 20248  | 10.22 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.01 | 165 | 36449  | 8.59  | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.53 | 131 | 54133  | 12.54 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.69 | 166 | 109796 | 9.15  | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.96 | 160 | 146296 | 9.30  | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.47 | 143 | 21024  | 9.50  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.26 | 176 | 107664 | 9.67  | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.38 | 200 | 14313  | 6.75  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.12 | 188 | 157584 | 9.75  | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.42 | 212 | 181224 | 11.86 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.30 | 264 | 150548 | 9.97  | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.18  | 88  | 5740   | 4.15 ng/uL#  | 90     |
| 4) Benzaldehyde                | 6.76  | 77  | 34631  | 11.93 ng/ul  | 92     |
| 6) Phenol                      | 6.81  | 94  | 52139  | 11.38 ng/ul# | 88     |
| 8) Bis(2-Chloroethyl)ether     | 7.05  | 93  | 37958  | 11.03 ng/ul  | 93     |
| 10) 2-Chlorophenol             | 7.18  | 128 | 40462  | 11.14 ng/ul  | 97     |
| 11) 2-Methylphenol             | 8.06  | 108 | 38047  | 11.22 ng/ul  | 95     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.15  | 45  | 60960  | 14.47 ng/ul  | 98     |
| 14) Acetophenone               | 8.43  | 105 | 61284  | 10.84 ng/ul# | 90     |
| 15) N-Nitroso-di-n-propylamine | 8.42  | 70  | 35372  | 12.80 ng/ul# | 90     |
| 16) 4-Methylphenol             | 8.38  | 108 | 42154  | 11.44 ng/ul  | 95     |
| 17) Hexachloroethane           | 8.69  | 117 | 17988  | 12.33 ng/ul# | 69     |
| 20) Nitrobenzene               | 8.80  | 77  | 49113  | 10.01 ng/ul  | 99     |
| 21) Isophorone                 | 9.33  | 82  | 92265  | 11.25 ng/ul  | 98     |
| 23) 2-Nitrophenol              | 9.51  | 139 | 21544  | 9.92 ng/ul   | 91     |
| 24) 2,4-Dimethylphenol         | 9.58  | 107 | 45762  | 9.12 ng/ul   | 91     |
| 25) Bis(2-Chloroethoxy)methane | 9.82  | 93  | 49228  | 9.62 ng/ul#  | 97     |
| 27) 2,4-Dichlorophenol         | 10.04 | 162 | 35697  | 8.67 ng/ul   | 91     |
| 28) Naphthalene                | 10.44 | 128 | 137597 | 10.41 ng/ul  | 100    |
| 30) 4-Chloroaniline            | 10.55 | 127 | 53757  | 12.27 ng/ul  | 93     |
| 31) Hexachlorobutadiene        | 10.74 | 225 | 21949  | 6.96 ng/ul   | 94     |
| 32) Caprolactam                | 11.31 | 113 | 16218  | 13.19 ng/ul  | 80     |
| 33) 4-Chloro-3-methylphenol    | 11.69 | 107 | 42704  | 9.75 ng/ul   | 87     |
| 34) 2-Methylnaphthalene        | 12.06 | 142 | 95758  | 10.01 ng/ul  | 98     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.44 | 216  | 41206    | 6.81  | ng/ul# | 95       |
| 37) Hexachlorocyclopentadiene  | 12.42 | 237  | 24578    | 6.72  | ng/ul# | 96       |
| 38) 2,4,6-Trichlorophenol      | 12.68 | 196  | 25988    | 7.39  | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.75 | 196  | 29469    | 7.65  | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.09 | 154  | 123577   | 9.36  | ng/ul# | 98       |
| 41) 2-Chloronaphthalene        | 13.13 | 162  | 91176    | 8.81  | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.34 | 65   | 28431    | 10.36 | ng/ul  | 94       |
| 44) Dimethylphthalate          | 13.73 | 163  | 123192   | 9.39  | ng/ul# | 98       |
| 45) 2,6-Dinitrotoluene         | 13.85 | 165  | 22425    | 9.10  | ng/ul  | 93       |
| 47) Acenaphthylene             | 13.99 | 152  | 157094   | 9.80  | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.17 | 138  | 24153    | 10.48 | ng/ul  | 96       |
| 49) Acenaphthene               | 14.33 | 153  | 104113   | 9.71  | ng/ul  | 97       |
| 50) 2,4-Dinitrophenol          | 14.37 | 184  | 8001     | 5.23  | ng/ul# | 86       |
| 52) 4-Nitrophenol              | 14.49 | 109  | 16529    | 7.23  | ng/ul  | 91       |
| 53) Dibenzofuran               | 14.67 | 168  | 140842   | 9.18  | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.63 | 165  | 29862    | 8.21  | ng/ul# | 76       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232  | 22734    | 6.83  | ng/ul# | 98       |
| 56) Diethylphthalate           | 15.11 | 149  | 131145   | 10.52 | ng/ul  | 96       |
| 58) Fluorene                   | 15.32 | 166  | 124428   | 9.74  | ng/ul  | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.32 | 204  | 59651    | 8.66  | ng/ul  | 92       |
| 60) 4-Nitroaniline             | 15.34 | 138  | 27999    | 10.71 | ng/ul# | 76       |
| 63) 4,6-Dinitro-2-methylphenol | 15.40 | 198  | 14648    | 6.49  | ng/ul# | 91       |
| 64) N-Nitrosodiphenylamine     | 15.54 | 169  | 106805   | 10.54 | ng/ul  | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.22 | 248  | 33819    | 8.74  | ng/ul  | 92       |
| 66) Hexachlorobenzene          | 16.32 | 284  | 36187    | 8.32  | ng/ul# | 89       |
| 67) Atrazine                   | 16.49 | 200  | 40833    | 10.00 | ng/ul  | 95       |
| 68) Pentachlorophenol          | 16.67 | 266  | 15722    | 5.90  | ng/ul  | 96       |
| 69) Phenanthrene               | 17.06 | 178  | 196562   | 10.45 | ng/ul  | 99       |
| 71) Anthracene                 | 17.15 | 178  | 201144   | 10.41 | ng/ul  | 96       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.05 | 216  | 40220    | 7.37  | ng/uL  | 96       |
| 73) Pentachlorobenzene         | 14.59 | 250  | 42091    | 8.19  | ng/uL  | 95       |
| 74) Carbazole                  | 17.42 | 167  | 188365   | 11.11 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.01 | 149  | 247229   | 13.66 | ng/ul  | 99       |
| 76) Fluoranthene               | 19.09 | 202  | 220643   | 9.81  | ng/ul# | 84       |
| 79) Pyrene                     | 19.45 | 202  | 244153   | 12.20 | ng/ul# | 84       |
| 80) Butylbenzylphthalate       | 20.37 | 149  | 107001   | 16.39 | ng/ul  | 90       |
| 81) 3,3'-Dichlorobenzidine     | 21.14 | 252  | 62521    | 9.76  | ng/ul# | 95       |
| 82) Benzo(a)anthracene         | 21.20 | 228  | 208397   | 9.89  | ng/ul  | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 153439   | 15.63 | ng/ul# | 95       |
| 84) Chrysene                   | 21.25 | 228  | 198356   | 9.93  | ng/ul  | 98       |
| 86) Di-n-octyl phthalate       | 22.04 | 149  | 250616   | 14.89 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.78 | 252  | 199415   | 10.00 | ng/ul# | 95       |
| 88) Benzo(k)fluoranthene       | 22.82 | 252  | 187825   | 9.75  | ng/ul# | 95       |
| 90) Benzo(a)pyrene             | 23.35 | 252  | 188459   | 9.72  | ng/ul# | 94       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.71 | 276  | 203761   | 8.86  | ng/ul# | 86       |
| 92) Dibenzo(a,h)anthracene     | 25.73 | 278  | 174249   | 8.98  | ng/ul# | 88       |
| 93) Benzo(g,h,i)perylene       | 26.40 | 276  | 170660   | 8.82  | ng/ul# | 89       |

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

