

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG072915\  
 Data File : BG018166.D  
 Acq On : 29 Jul 2015 17:21  
 Operator : TP/UM  
 Sample : SSTD00540  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD00540

Quant Time: Jul 30 03:06:06 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG072915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 30 00:40:46 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.50  | 152  | 35308    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.28 | 136  | 163185   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.17 | 164  | 111332   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.93 | 188  | 266455   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.14 | 240  | 289142   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.32 | 264  | 270575   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |       |      |
|--------------------------------|-------|-----|-------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.00  | 96  | 869   | 1.59 | 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           | 7.03  | 132 | 11685 | 4.83 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 0.00  | 113 | 0d    | 0.00 | ng/ul |      |
| 19) Nitrobenzene-d5            | 8.66  | 128 | 6895  | 5.27 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.37  | 143 | 7412  | 5.32 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.92  | 165 | 12645 | 5.22 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 0.00  | 131 | 0d    | 0.00 | ng/ul |      |
| 44) Dimethylphthalate-d6       | 13.59 | 166 | 42497 | 5.37 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.86 | 160 | 50484 | 5.20 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0d    | 0.00 | ng/ul |      |
| 58) Fluorene-d10               | 15.17 | 176 | 38695 | 5.30 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0d    | 0.00 | ng/ul |      |
| 71) Anthracene-d10             | 17.03 | 188 | 62281 | 5.33 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.33 | 212 | 69843 | 5.27 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.18 | 264 | 67556 | 5.16 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |       |      |        | Qvalue |
|--------------------------------|-------|-----|-------|------|--------|--------|
| 2) 1,4-Dioxane                 | 3.03  | 88  | 1160  | 2.01 | ng/uL# | 76     |
| 10) 2-Chlorophenol             | 7.07  | 128 | 11661 | 4.90 | ng/ul  | 93     |
| 15) N-Nitroso-di-n-propylamine | 8.31  | 70  | 7745  | 4.41 | ng/ul  | 98     |
| 17) Hexachloroethane           | 8.57  | 117 | 4612  | 5.02 | ng/ul  | 88     |
| 20) Nitrobenzene               | 8.70  | 77  | 10946 | 4.67 | ng/ul  | 97     |
| 21) Isophorone                 | 9.22  | 82  | 22794 | 4.64 | ng/ul  | 98     |
| 23) 2-Nitrophenol              | 9.41  | 139 | 7657  | 5.12 | ng/ul  | 99     |
| 24) 2,4-Dimethylphenol         | 9.48  | 107 | 12764 | 4.93 | ng/ul  | 98     |
| 25) Bis(2-Chloroethoxy)methane | 9.71  | 93  | 12354 | 4.47 | ng/ul# | 89     |
| 27) 2,4-Dichlorophenol         | 9.94  | 162 | 11996 | 5.12 | ng/ul  | 94     |
| 28) Naphthalene                | 10.33 | 128 | 39971 | 5.19 | ng/ul  | 97     |
| 31) Hexachlorobutadiene        | 10.62 | 225 | 7903  | 5.73 | ng/ul  | 94     |
| 33) 4-Chloro-3-methylphenol    | 11.60 | 107 | 12431 | 4.92 | ng/ul  | 97     |
| 34) 2-Methylnaphthalene        | 11.96 | 142 | 30184 | 5.16 | ng/ul  | 97     |
| 35) 1-Methylnaphthalene        | 12.19 | 142 | 29442 | 5.19 | ng/ul  | 98     |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.34 | 216 | 15643 | 5.33 | ng/ul  | 94     |
| 39) 2,4,6-Trichlorophenol      | 12.59 | 196 | 10258 | 5.19 | ng/ul  | 93     |
| 40) 2,4,5-Trichlorophenol      | 12.66 | 196 | 10966 | 5.10 | ng/ul  | 97     |
| 41) 1,1'-Biphenyl              | 13.00 | 154 | 40903 | 5.31 | ng/ul# | 97     |
| 42) 2-Chloronaphthalene        | 13.03 | 162 | 31771 | 5.25 | ng/ul  | 99     |
| 43) 2-Nitroaniline             | 13.25 | 65  | 6605  | 4.25 | ng/ul  | 92     |
| 45) Dimethylphthalate          | 13.64 | 163 | 43470 | 5.47 | ng/ul  | 98     |
| 46) 2,6-Dinitrotoluene         | 13.76 | 165 | 9461  | 5.14 | ng/ul  | 96     |

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| Internal Standards             | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|------|--------|----------|
| 48) Acenaphthylene             | 13.89 | 152  | 52058    | 5.13 | ng/ul  | 96       |
| 50) Acenaphthene               | 14.24 | 153  | 34445    | 5.19 | ng/ul  | 96       |
| 54) Dibenzofuran               | 14.57 | 168  | 51610    | 5.44 | ng/ul  | 97       |
| 55) 2,4-Dinitrotoluene         | 14.56 | 165  | 12884    | 4.88 | ng/ul  | 99       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.81 | 232  | 9865     | 5.10 | ng/ul# | 95       |
| 57) Diethylphthalate           | 15.01 | 149  | 42396    | 5.15 | ng/ul  | 99       |
| 59) Fluorene                   | 15.23 | 166  | 43561    | 5.34 | ng/ul# | 92       |
| 60) 4-Chlorophenyl-phenylether | 15.23 | 204  | 22114    | 5.38 | ng/ul  | 96       |
| 65) N-Nitrosodiphenylamine     | 15.45 | 169  | 37880    | 5.19 | ng/ul  | 95       |
| 66) 4-Bromophenyl-phenylether  | 16.12 | 248  | 13916    | 5.18 | ng/ul  | 95       |
| 67) Hexachlorobenzene          | 16.24 | 284  | 16169    | 5.36 | ng/ul  | 97       |
| 70) Phenanthrene               | 16.97 | 178  | 70952    | 5.24 | ng/ul  | 97       |
| 72) Anthracene                 | 17.06 | 178  | 71810    | 5.24 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.96 | 216  | 15965    | 5.22 | ng/uL  | 94       |
| 74) Pentachlorobenzene         | 14.50 | 250  | 17369    | 5.37 | ng/uL  | 96       |
| 76) Di-n-butylphthalate        | 17.92 | 149  | 77612    | 5.04 | ng/ul  | 99       |
| 80) Pyrene                     | 19.37 | 202  | 88805    | 5.37 | ng/ul  | 99       |
| 81) Butylbenzylphthalate       | 20.28 | 149  | 32772    | 4.87 | ng/ul  | 99       |
| 83) Benzo(a)anthracene         | 21.12 | 228  | 81083    | 5.28 | ng/ul  | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 21.07 | 149  | 45464    | 4.75 | ng/ul  | 96       |
| 85) Chrysene                   | 21.17 | 228  | 74698    | 5.16 | ng/ul  | 98       |
| 88) Benzo(b)fluoranthene       | 22.66 | 252  | 77250    | 5.12 | ng/ul  | 96       |
| 89) Benzo(k)fluoranthene       | 22.71 | 252  | 72360    | 5.04 | ng/ul  | 95       |
| 91) Benzo(a)pyrene             | 23.23 | 252  | 72821    | 5.04 | ng/ul  | 100      |
| 92) Indeno(1,2,3-cd)pyrene     | 25.53 | 276  | 83633    | 5.01 | ng/ul  | 97       |
| 93) Dibenzo(a,h)anthracene     | 25.54 | 278  | 69155    | 4.86 | ng/ul  | 96       |
| 94) Benzo(g,h,i)perylene       | 26.20 | 276  | 68459    | 4.96 | ng/ul  | 98       |

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

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