

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG100915\  
 Data File : BG019081.D  
 Acq On : 9 Oct 2015 16:05  
 Operator : UM/NP  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 16:41:38 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG100415.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 09 02:23:12 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.03  | 152  | 23028    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.84 | 136  | 107946   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.67 | 164  | 72675    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.41 | 188  | 182107   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.69 | 240  | 221794   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.93 | 264  | 212824   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.47  | 96  | 3174   | 6.23  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.19  | 99  | 39688  | 20.00 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.36  | 67  | 26252  | 20.44 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.57  | 132 | 30640  | 20.57 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.74  | 113 | 33450  | 21.44 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.20  | 128 | 16580  | 20.31 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.92  | 143 | 18978  | 22.61 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.46 | 165 | 34908  | 20.77 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.98 | 131 | 48147  | 23.49 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.07 | 166 | 121002 | 21.12 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.36 | 160 | 138832 | 19.59 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.86 | 143 | 22795  | 19.69 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.66 | 176 | 104835 | 20.21 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.77 | 200 | 21527  | 21.79 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.51 | 188 | 169216 | 19.73 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.80 | 212 | 205916 | 20.04 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.70 | 264 | 216445 | 19.88 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.51  | 88  | 3861   | 6.89 ng/uL#  | 86     |
| 4) Benzaldehyde                | 7.17  | 77  | 27270  | 23.19 ng/ul  | 91     |
| 6) Phenol                      | 7.22  | 94  | 40231  | 19.87 ng/ul# | 87     |
| 8) Bis(2-Chloroethyl)ether     | 7.45  | 93  | 30370  | 19.90 ng/ul  | 97     |
| 10) 2-Chlorophenol             | 7.60  | 128 | 31779  | 20.54 ng/ul  | 97     |
| 11) 2-Methylphenol             | 8.47  | 108 | 32329  | 20.72 ng/ul  | 96     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.57  | 45  | 67427  | 22.52 ng/ul  | 99     |
| 14) Acetophenone               | 8.86  | 105 | 54533  | 22.57 ng/ul  | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.84  | 70  | 29138  | 22.43 ng/ul  | 93     |
| 16) 4-Methylphenol             | 8.80  | 108 | 36555  | 21.25 ng/ul  | 98     |
| 17) Hexachloroethane           | 9.12  | 117 | 12741  | 20.70 ng/ul  | 95     |
| 20) Nitrobenzene               | 9.24  | 77  | 42367  | 20.86 ng/ul  | 98     |
| 21) Isophorone                 | 9.76  | 82  | 83679  | 21.11 ng/ul  | 97     |
| 23) 2-Nitrophenol              | 9.95  | 139 | 18927  | 20.99 ng/ul# | 89     |
| 24) 2,4-Dimethylphenol         | 10.01 | 107 | 43419  | 21.23 ng/ul  | 93     |
| 25) Bis(2-Chloroethoxy)methane | 10.24 | 93  | 45383  | 19.37 ng/ul  | 98     |
| 27) 2,4-Dichlorophenol         | 10.49 | 162 | 35646  | 20.75 ng/ul  | 93     |
| 28) Naphthalene                | 10.90 | 128 | 108877 | 19.48 ng/ul  | 96     |
| 30) 4-Chloroaniline            | 11.00 | 127 | 48756  | 23.02 ng/ul  | 95     |
| 31) Hexachlorobutadiene        | 11.18 | 225 | 24886  | 22.73 ng/ul  | 97     |
| 32) Caprolactam                | 11.75 | 113 | 8832   | 15.25 ng/ul# | 67     |
| 33) 4-Chloro-3-methylphenol    | 12.12 | 107 | 42370  | 22.49 ng/ul  | 94     |
| 34) 2-Methylnaphthalene        | 12.50 | 142 | 86023  | 20.55 ng/ul  | 95     |

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|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.72 | 142  | 84765    | 20.64 | ng/ul  | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216  | 46981    | 19.91 | ng/ul  | 98       |
| 38) Hexachlorocyclopentadiene  | 12.85 | 237  | 25925    | 17.09 | ng/ul  | 99       |
| 39) 2,4,6-Trichlorophenol      | 13.10 | 196  | 29445    | 19.20 | ng/ul  | 97       |
| 40) 2,4,5-Trichlorophenol      | 13.18 | 196  | 32908    | 19.98 | ng/ul  | 94       |
| 41) 1,1'-Biphenyl              | 13.50 | 154  | 113496   | 19.16 | ng/ul  | 94       |
| 42) 2-Chloronaphthalene        | 13.55 | 162  | 87604    | 19.04 | ng/ul  | 95       |
| 43) 2-Nitroaniline             | 13.74 | 65   | 32702    | 21.89 | ng/ul  | 94       |
| 45) Dimethylphthalate          | 14.12 | 163  | 120475   | 20.59 | ng/ul  | 98       |
| 46) 2,6-Dinitrotoluene         | 14.23 | 165  | 25389    | 22.56 | ng/ul# | 87       |
| 48) Acenaphthylene             | 14.39 | 152  | 147774   | 19.47 | ng/ul  | 98       |
| 49) 3-Nitroaniline             | 14.57 | 138  | 24623    | 22.15 | ng/ul  | 94       |
| 50) Acenaphthene               | 14.73 | 153  | 101023   | 19.62 | ng/ul  | 98       |
| 51) 2,4-Dinitrophenol          | 14.77 | 184  | 10874    | 16.69 | ng/ul  | 89       |
| 53) 4-Nitrophenol              | 14.87 | 109  | 21873    | 24.71 | ng/ul# | 83       |
| 54) Dibenzofuran               | 15.07 | 168  | 139542   | 19.92 | ng/ul  | 94       |
| 55) 2,4-Dinitrotoluene         | 15.02 | 165  | 38589    | 23.45 | ng/ul  | 95       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.29 | 232  | 30613    | 20.15 | ng/ul# | 95       |
| 57) Diethylphthalate           | 15.48 | 149  | 124691   | 21.24 | ng/ul  | 98       |
| 59) Fluorene                   | 15.71 | 166  | 118400   | 20.05 | ng/ul  | 94       |
| 60) 4-Chlorophenyl-phenylether | 15.71 | 204  | 59141    | 20.28 | ng/ul  | 94       |
| 61) 4-Nitroaniline             | 15.73 | 138  | 27082    | 21.57 | ng/ul# | 84       |
| 64) 4,6-Dinitro-2-methylphenol | 15.78 | 198  | 21603    | 20.71 | ng/ul  | 94       |
| 65) N-Nitrosodiphenylamine     | 15.92 | 169  | 102597   | 19.37 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.60 | 248  | 41055    | 20.66 | ng/ul  | 91       |
| 67) Hexachlorobenzene          | 16.72 | 284  | 46847    | 20.72 | ng/ul  | 98       |
| 68) Atrazine                   | 16.86 | 200  | 48230    | 21.94 | ng/ul  | 100      |
| 69) Pentachlorophenol          | 17.06 | 266  | 22507    | 15.86 | ng/ul  | 98       |
| 70) Phenanthrene               | 17.46 | 178  | 204396   | 19.92 | ng/ul  | 98       |
| 72) Anthracene                 | 17.55 | 178  | 208105   | 20.12 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.47 | 216  | 46776    | 19.04 | ng/uL  | 98       |
| 74) Pentachlorobenzene         | 14.98 | 250  | 49220    | 20.57 | ng/uL  | 97       |
| 75) Carbazole                  | 17.82 | 167  | 187637   | 21.03 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 18.37 | 149  | 234510   | 20.56 | ng/ul# | 98       |
| 77) Fluoranthene               | 19.47 | 202  | 261288   | 21.87 | ng/ul# | 94       |
| 80) Pyrene                     | 19.83 | 202  | 269718   | 20.21 | ng/ul  | 94       |
| 81) Butylbenzylphthalate       | 20.71 | 149  | 107814   | 21.30 | ng/ul  | 96       |
| 82) 3,3'-Dichlorobenzidine     | 21.58 | 252  | 86965    | 21.18 | ng/ul  | 98       |
| 83) Benzo(a)anthracene         | 21.67 | 228  | 253030   | 19.77 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.58 | 149  | 151077   | 20.56 | ng/ul  | 99       |
| 85) Chrysene                   | 21.74 | 228  | 235728   | 19.51 | ng/ul  | 98       |
| 87) Di-n-octyl phthalate       | 22.80 | 149  | 252179   | 20.88 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 23.96 | 252  | 229133   | 18.27 | ng/ul  | 97       |
| 89) Benzo(k)fluoranthene       | 23.96 | 252  | 230256   | 18.86 | ng/ul# | 97       |
| 91) Benzo(a)pyrene             | 24.77 | 252  | 232281   | 19.13 | ng/ul# | 96       |
| 92) Indeno(1,2,3-cd)pyrene     | 28.61 | 276  | 269709   | 19.38 | ng/ul  | 97       |
| 93) Dibenzo(a,h)anthracene     | 28.68 | 278  | 235361   | 19.56 | ng/ul  | 95       |
| 94) Benzo(g,h,i)perylene       | 29.76 | 276  | 226346   | 19.53 | ng/ul# | 94       |

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

