

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG121715\  
 Data File : BG020246.D  
 Acq On : 17 Dec 2015 7:22  
 Operator : UM/SJ  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTD02042

Manual Integrations  
 APPROVED

MMdadoda  
 12/17/2015 6:44:38 PM

Quant Time: Dec 17 08:04:07 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG121415.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 17 06:39:33 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.10  | 152  | 31881    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.91 | 136  | 140424   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.73 | 164  | 100242   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.47 | 188  | 253338   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.74 | 240  | 288242   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.01 | 264  | 259647   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.47  | 96  | 4610   | 7.98  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.25  | 99  | 56601  | 20.13 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.42  | 67  | 32340  | 19.28 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.63  | 132 | 43328  | 21.19 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.80  | 113 | 46782  | 19.46 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.27  | 128 | 22213  | 20.29 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.99  | 143 | 26434  | 21.70 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.53 | 165 | 50731  | 20.56 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.05 | 131 | 62144  | 22.42 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.13 | 166 | 158917 | 19.60 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.43 | 160 | 195789 | 20.75 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.92 | 143 | 29222  | 20.09 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.72 | 176 | 149255 | 20.29 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.83 | 200 | 24066  | 16.02 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.57 | 188 | 233621 | 20.01 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.85 | 212 | 262481 | 19.54 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.78 | 264 | 277907 | 21.46 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.51  | 88  | 5567   | 6.53  | ng/uL | 91     |
| 4) Benzaldehyde                | 7.23  | 77  | 38269  | 21.03 | ng/ul | 98     |
| 6) Phenol                      | 7.28  | 94  | 60507  | 20.10 | ng/ul | 97     |
| 8) Bis(2-Chloroethyl)ether     | 7.51  | 93  | 40188  | 19.46 | ng/ul | 96     |
| 10) 2-Chlorophenol             | 7.66  | 128 | 44846  | 20.94 | ng/ul | 95     |
| 11) 2-Methylphenol             | 8.54  | 108 | 44843  | 19.53 | ng/ul | 92     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.63  | 45  | 55934  | 18.80 | ng/ul | 98     |
| 14) Acetophenone               | 8.92  | 105 | 74157  | 19.70 | ng/ul | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.91  | 70  | 38451  | 19.29 | ng/ul | 97     |
| 16) 4-Methylphenol             | 8.87  | 108 | 50469  | 19.85 | ng/ul | 100    |
| 17) Hexachloroethane           | 9.19  | 117 | 16944  | 18.83 | ng/ul | 89     |
| 20) Nitrobenzene               | 9.31  | 77  | 58556  | 20.19 | ng/ul | 99     |
| 21) Isophorone                 | 9.83  | 82  | 103517 | 18.69 | ng/ul | 99     |
| 23) 2-Nitrophenol              | 10.02 | 139 | 26792  | 20.51 | ng/ul | 98     |
| 24) 2,4-Dimethylphenol         | 10.07 | 107 | 59226  | 19.97 | ng/ul | 96     |
| 25) Bis(2-Chloroethoxy)methane | 10.31 | 93  | 57589  | 19.20 | ng/ul | 97     |
| 27) 2,4-Dichlorophenol         | 10.56 | 162 | 52873  | 20.86 | ng/ul | 93     |
| 28) Naphthalene                | 10.97 | 128 | 149352 | 20.37 | ng/ul | 98     |
| 30) 4-Chloroaniline            | 11.07 | 127 | 62338  | 22.03 | ng/ul | 99     |
| 31) Hexachlorobutadiene        | 11.25 | 225 | 37922  | 20.07 | ng/ul | 98     |
| 32) Caprolactam                | 11.83 | 113 | 17619m | 19.70 | ng/ul |        |
| 33) 4-Chloro-3-methylphenol    | 12.19 | 107 | 61282  | 20.35 | ng/ul | 93     |
| 34) 2-Methylnaphthalene        | 12.56 | 142 | 113023 | 20.18 | ng/ul | 98     |

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|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.78 | 142  | 108060   | 20.07 | ng/ul  | 97       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216  | 77633    | 20.64 | ng/ul  | 99       |
| 38) Hexachlorocyclopentadiene  | 12.90 | 237  | 27520    | 11.83 | ng/ul  | 100      |
| 39) 2,4,6-Trichlorophenol      | 13.16 | 196  | 50775    | 21.04 | ng/ul  | 96       |
| 40) 2,4,5-Trichlorophenol      | 13.24 | 196  | 56864    | 21.20 | ng/ul  | 99       |
| 41) 1,1'-Biphenyl              | 13.56 | 154  | 152978   | 20.23 | ng/ul  | 98       |
| 42) 2-Chloronaphthalene        | 13.61 | 162  | 125953   | 20.80 | ng/ul  | 98       |
| 43) 2-Nitroaniline             | 13.81 | 65   | 42132    | 20.47 | ng/ul  | 93       |
| 45) Dimethylphthalate          | 14.17 | 163  | 164241   | 19.83 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene         | 14.30 | 165  | 34972    | 20.41 | ng/ul  | 98       |
| 48) Acenaphthylene             | 14.45 | 152  | 204597   | 20.41 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.63 | 138  | 37394    | 22.49 | ng/ul  | 93       |
| 50) Acenaphthene               | 14.79 | 153  | 137367   | 20.37 | ng/ul  | 98       |
| 51) 2,4-Dinitrophenol          | 14.83 | 184  | 14504    | 14.88 | ng/ul  | 98       |
| 53) 4-Nitrophenol              | 14.93 | 109  | 26070    | 18.64 | ng/ul  | 94       |
| 54) Dibenzofuran               | 15.13 | 168  | 205863   | 20.52 | ng/ul  | 100      |
| 55) 2,4-Dinitrotoluene         | 15.08 | 165  | 51978    | 20.67 | ng/ul  | 99       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.35 | 232  | 53535    | 20.76 | ng/ul# | 96       |
| 57) Diethylphthalate           | 15.54 | 149  | 165012   | 19.20 | ng/ul  | 98       |
| 59) Fluorene                   | 15.77 | 166  | 166371   | 20.65 | ng/ul  | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.76 | 204  | 93674    | 20.62 | ng/ul  | 96       |
| 61) 4-Nitroaniline             | 15.79 | 138  | 38638    | 21.49 | ng/ul  | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.84 | 198  | 26127    | 16.21 | ng/ul  | 97       |
| 65) N-Nitrosodiphenylamine     | 15.97 | 169  | 147454   | 20.93 | ng/ul  | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.65 | 248  | 63133    | 21.23 | ng/ul  | 94       |
| 67) Hexachlorobenzene          | 16.78 | 284  | 67382    | 21.10 | ng/ul  | 94       |
| 68) Atrazine                   | 16.92 | 200  | 60210    | 20.04 | ng/ul  | 97       |
| 69) Pentachlorophenol          | 17.12 | 266  | 30398    | 15.79 | ng/ul  | 96       |
| 70) Phenanthrene               | 17.52 | 178  | 279597   | 20.18 | ng/ul  | 100      |
| 72) Anthracene                 | 17.60 | 178  | 286215   | 20.36 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.53 | 216  | 84581    | 21.31 | ng/uL  | 97       |
| 74) Pentachlorobenzene         | 15.04 | 250  | 78915    | 21.44 | ng/uL  | 97       |
| 75) Carbazole                  | 17.87 | 167  | 241845   | 20.48 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 18.42 | 149  | 270751   | 19.73 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.51 | 202  | 336634   | 20.79 | ng/ul  | 99       |
| 80) Pyrene                     | 19.88 | 202  | 338105   | 19.38 | ng/ul  | 99       |
| 81) Butylbenzylphthalate       | 20.75 | 149  | 121300   | 20.01 | ng/ul  | 94       |
| 82) 3,3'-Dichlorobenzidine     | 21.64 | 252  | 119752   | 22.74 | ng/ul  | 96       |
| 83) Benzo(a)anthracene         | 21.72 | 228  | 347796   | 20.68 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.61 | 149  | 159266   | 18.38 | ng/ul  | 99       |
| 85) Chrysene                   | 21.79 | 228  | 321586   | 20.30 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 22.84 | 149  | 286510   | 20.08 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 23.97 | 252  | 315646   | 20.20 | ng/ul  | 100      |
| 89) Benzo(k)fluoranthene       | 24.04 | 252  | 323912   | 21.60 | ng/ul  | 100      |
| 91) Benzo(a)pyrene             | 24.86 | 252  | 309975   | 20.92 | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 28.74 | 276  | 344786   | 19.54 | ng/ul  | 97       |
| 93) Dibenzo(a,h)anthracene     | 28.80 | 278  | 286412   | 19.56 | ng/ul  | 98       |
| 94) Benzo(g,h,i)perylene       | 29.91 | 276  | 244852   | 16.93 | ng/ul  | 96       |

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

