

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG112316\  
 Data File : BG024906.D  
 Acq On : 23 Nov 2016 12:58  
 Operator : UM/SJ  
 Sample : SSTD08030  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTD08030

Manual Integrations  
 APPROVED

sohil  
 11/28/2016 4:47:35 PM

Quant Time: Nov 23 14:14:45 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG112316.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 23 13:49:49 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.25  | 152  | 76354    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.08 | 136  | 339655   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.87 | 164  | 293778   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.61 | 188  | 648920   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.91 | 240  | 822221   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.34 | 264  | 837653   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.61  | 96  | 50114   | 34.01 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.39  | 99  | 578451  | 88.43 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.57  | 67  | 343900  | 83.57 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.78  | 132 | 407839  | 86.94 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.95  | 113 | 490818  | 89.36 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.43  | 128 | 217092  | 84.41 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.15 | 143 | 262004  | 85.35 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.69 | 165 | 517927  | 84.76 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.22 | 131 | 549124  | 80.44 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.27 | 166 | 1634459 | 76.30 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.57 | 160 | 1818536 | 77.91 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.07 | 143 | 304298  | 79.83 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.86 | 176 | 1518209 | 75.30 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.98 | 200 | 383698  | 86.01 | ng/ul | 0.01 |
| 70) Anthracene-d10             | 17.71 | 188 | 2199744 | 76.75 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.99 | 212 | 2568087 | 72.03 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.11 | 264 | 2931245 | 79.94 | ng/ul | 0.02 |

## Target Compounds

|                                |       |     |         |       |        | Qvalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.64  | 88  | 53221   | 28.82 | ng/uL# | 85     |
| 4) Benzaldehyde                | 7.39  | 77  | 355775  | 84.43 | ng/ul  | 96     |
| 6) Phenol                      | 7.42  | 94  | 576178  | 84.33 | ng/ul  | 96     |
| 8) Bis(2-Chloroethyl)ether     | 7.66  | 93  | 412640  | 84.84 | ng/ul  | 91     |
| 10) 2-Chlorophenol             | 7.81  | 128 | 398682  | 87.87 | ng/ul  | 89     |
| 11) 2-Methylphenol             | 8.68  | 108 | 436130  | 87.13 | ng/ul  | 98     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.78  | 45  | 685574  | 83.03 | ng/ul  | 97     |
| 14) Acetophenone               | 9.08  | 105 | 699718  | 84.59 | ng/ul  | 92     |
| 15) N-Nitroso-di-n-propylamine | 9.07  | 70  | 420535  | 89.47 | ng/ul# | 86     |
| 16) 4-Methylphenol             | 9.02  | 108 | 478577  | 88.38 | ng/ul  | 96     |
| 17) Hexachloroethane           | 9.34  | 117 | 173457  | 83.51 | ng/ul  | 90     |
| 20) Nitrobenzene               | 9.47  | 77  | 619828  | 81.18 | ng/ul  | 100    |
| 21) Isophorone                 | 9.99  | 82  | 1172016 | 82.30 | ng/ul  | 99     |
| 23) 2-Nitrophenol              | 10.19 | 139 | 265592  | 85.62 | ng/ul# | 84     |
| 24) 2,4-Dimethylphenol         | 10.23 | 107 | 598336  | 81.24 | ng/ul  | 95     |
| 25) Bis(2-Chloroethoxy)methane | 10.47 | 93  | 601249  | 80.40 | ng/ul  | 95     |
| 27) 2,4-Dichlorophenol         | 10.72 | 162 | 489492  | 83.59 | ng/ul  | 94     |
| 28) Naphthalene                | 11.13 | 128 | 1285296 | 78.90 | ng/ul  | 98     |
| 30) 4-Chloroaniline            | 11.24 | 127 | 540923  | 82.14 | ng/ul  | 95     |
| 31) Hexachlorobutadiene        | 11.39 | 225 | 385411  | 74.97 | ng/ul  | 91     |
| 32) Caprolactam                | 12.02 | 113 | 187960m | 81.43 | ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 12.34 | 107 | 601972  | 84.89 | ng/ul  | 96     |
| 34) 2-Methylnaphthalene        | 12.71 | 142 | 1044284 | 81.46 | ng/ul  | 98     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.07 | 216  | 741530   | 77.79 | ng/ul  | 96       |
| 37) Hexachlorocyclopentadiene  | 13.04 | 237  | 489266   | 79.64 | ng/ul  | 100      |
| 38) 2,4,6-Trichlorophenol      | 13.31 | 196  | 482977   | 83.30 | ng/ul  | 88       |
| 39) 2,4,5-Trichlorophenol      | 13.39 | 196  | 526736   | 83.60 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.71 | 154  | 1425398  | 75.39 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.76 | 162  | 1148412  | 78.17 | ng/ul  | 94       |
| 42) 2-Nitroaniline             | 13.97 | 65   | 498929   | 85.63 | ng/ul  | 99       |
| 44) Dimethylphthalate          | 14.31 | 163  | 1549461  | 75.40 | ng/ul# | 99       |
| 45) 2,6-Dinitrotoluene         | 14.45 | 165  | 369940   | 85.65 | ng/ul  | 97       |
| 47) Acenaphthylene             | 14.60 | 152  | 1732398  | 76.67 | ng/ul  | 96       |
| 48) 3-Nitroaniline             | 14.78 | 138  | 305592   | 76.56 | ng/ul# | 86       |
| 49) Acenaphthene               | 14.94 | 153  | 1226012  | 76.65 | ng/ul  | 97       |
| 50) 2,4-Dinitrophenol          | 14.99 | 184  | 276707   | 89.52 | ng/ul  | 88       |
| 52) 4-Nitrophenol              | 15.08 | 109  | 357767   | 78.40 | ng/ul  | 96       |
| 53) Dibenzofuran               | 15.27 | 168  | 1844532  | 75.38 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 15.24 | 165  | 536054   | 82.06 | ng/ul# | 91       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.49 | 232  | 553160   | 84.37 | ng/ul  | 97       |
| 56) Diethylphthalate           | 15.66 | 149  | 1602326  | 73.39 | ng/ul# | 92       |
| 58) Fluorene                   | 15.92 | 166  | 1500456  | 75.53 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.90 | 204  | 850473   | 75.71 | ng/ul  | 87       |
| 60) 4-Nitroaniline             | 15.95 | 138  | 338710   | 74.60 | ng/ul  | 93       |
| 63) 4,6-Dinitro-2-methylphenol | 15.99 | 198  | 389253   | 86.04 | ng/ul# | 97       |
| 64) N-Nitrosodiphenylamine     | 16.11 | 169  | 1404008  | 80.08 | ng/ul  | 96       |
| 65) 4-Bromophenyl-phenylether  | 16.79 | 248  | 647976   | 82.11 | ng/ul  | 94       |
| 66) Hexachlorobenzene          | 16.92 | 284  | 730353   | 83.63 | ng/ul  | 95       |
| 67) Atrazine                   | 17.05 | 200  | 658385   | 80.10 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 17.26 | 266  | 445631   | 86.44 | ng/ul  | 94       |
| 69) Phenanthrene               | 17.66 | 178  | 2469954  | 76.35 | ng/ul# | 94       |
| 71) Anthracene                 | 17.75 | 178  | 2473239  | 73.92 | ng/ul# | 93       |
| 72) Carbazole                  | 18.02 | 167  | 2197662  | 80.07 | ng/ul  | 93       |
| 73) Di-n-butylphthalate        | 18.54 | 149  | 2509174  | 72.55 | ng/ul  | 96       |
| 74) Fluoranthene               | 19.65 | 202  | 2875977  | 76.54 | ng/ul  | 97       |
| 77) Pyrene                     | 20.02 | 202  | 2872045  | 71.07 | ng/ul  | 97       |
| 78) Butylbenzylphthalate       | 20.87 | 149  | 1263270  | 76.37 | ng/ul  | 96       |
| 79) 3,3'-Dichlorobenzidine     | 21.79 | 252  | 1166903  | 73.80 | ng/ul  | 94       |
| 80) Benzo(a)anthracene         | 21.89 | 228  | 3237266  | 72.35 | ng/ul# | 90       |
| 81) Bis(2-ethylhexyl)phthalate | 21.74 | 149  | 1741902  | 76.97 | ng/ul# | 92       |
| 82) Chrysene                   | 21.96 | 228  | 3029449m | 72.21 | ng/ul  |          |
| 84) Di-n-octyl phthalate       | 23.01 | 149  | 2878136  | 81.17 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.24 | 252  | 3352825  | 75.98 | ng/ul  | 94       |
| 86) Benzo(k)fluoranthene       | 24.31 | 252  | 3281677  | 78.28 | ng/ul  | 97       |
| 88) Benzo(a)pyrene             | 25.18 | 252  | 3327326  | 77.91 | ng/ul  | 98       |
| 89) Indeno(1,2,3-cd)pyrene     | 29.28 | 276  | 4261953  | 79.81 | ng/ul  | 97       |
| 90) Dibenzo(a,h)anthracene     | 29.35 | 278  | 3540427  | 79.57 | ng/ul  | 99       |
| 91) Benzo(g,h,i)perylene       | 30.53 | 276  | 3484783  | 79.24 | ng/ul  | 96       |

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

