

Data Path : Z:\HPCHEM1\BNA G\DATA\BG113016\  
 Data File : BG024955.D  
 Acq On : 30 Nov 2016 20:57  
 Operator : UM/SJ  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02012

Quant Time: Dec 01 01:13:57 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 01 01:03:36 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.24  | 152  | 79288    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.07 | 136  | 356743   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.86 | 164  | 304806   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.60 | 188  | 722045   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.90 | 240  | 961702   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.32 | 264  | 980165   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.60  | 96  | 10981  | 7.15  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.38  | 99  | 135130 | 19.75 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.56  | 67  | 86545  | 20.45 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.77  | 132 | 100947 | 21.10 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.94  | 113 | 113029 | 19.77 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.42  | 128 | 51546  | 20.40 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.15 | 143 | 62447  | 19.83 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.69 | 165 | 119558 | 19.74 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.21 | 131 | 114228 | 19.19 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.26 | 166 | 422295 | 20.14 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.56 | 160 | 459686 | 20.02 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.05 | 143 | 68512  | 19.01 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.85 | 176 | 392640 | 19.90 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.96 | 200 | 86957  | 19.48 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.71 | 188 | 633634 | 20.79 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.98 | 212 | 804388 | 20.31 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.08 | 264 | 827343 | 20.83 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Ovalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.64  | 88  | 15152  | 7.58  | ng/uL# 78 |
| 4) Benzaldehyde                | 7.38  | 77  | 104290 | 20.25 | ng/ul# 79 |
| 6) Phenol                      | 7.41  | 94  | 141187 | 20.11 | ng/ul# 89 |
| 8) Bis(2-Chloroethyl)ether     | 7.66  | 93  | 104532 | 20.35 | ng/ul 89  |
| 10) 2-Chlorophenol             | 7.80  | 128 | 93929  | 19.53 | ng/ul 95  |
| 11) 2-Methylphenol             | 8.68  | 108 | 102736 | 19.87 | ng/ul 95  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.77  | 45  | 187160 | 21.42 | ng/ul 97  |
| 14) Acetophenone               | 9.07  | 105 | 174611 | 20.07 | ng/ul# 91 |
| 15) N-Nitroso-di-n-propylamine | 9.05  | 70  | 105757 | 21.05 | ng/ul# 89 |
| 16) 4-Methylphenol             | 9.01  | 108 | 117666 | 20.46 | ng/ul 89  |
| 17) Hexachloroethane           | 9.34  | 117 | 45087  | 21.16 | ng/ul 99  |
| 20) Nitrobenzene               | 9.46  | 77  | 152362 | 19.63 | ng/ul 93  |
| 21) Isophorone                 | 9.98  | 82  | 287266 | 19.55 | ng/ul 97  |
| 23) 2-Nitrophenol              | 10.18 | 139 | 61448  | 19.24 | ng/ul 91  |
| 24) 2,4-Dimethylphenol         | 10.22 | 107 | 145148 | 19.87 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 10.46 | 93  | 151493 | 20.24 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.71 | 162 | 118570 | 20.16 | ng/ul 95  |
| 28) Naphthalene                | 11.12 | 128 | 330898 | 19.95 | ng/ul 96  |
| 30) 4-Chloroaniline            | 11.23 | 127 | 124069 | 20.39 | ng/ul 96  |
| 31) Hexachlorobutadiene        | 11.39 | 225 | 96764  | 19.14 | ng/ul 91  |
| 32) Caprolactam                | 11.99 | 113 | 50472  | 20.67 | ng/ul 87  |
| 33) 4-Chloro-3-methylphenol    | 12.33 | 107 | 146179 | 20.17 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.71 | 142 | 257498 | 19.68 | ng/ul 95  |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 01 01:03:36 2016  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.07 | 216  | 179742   | 19.56 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 13.04 | 237  | 98636    | 18.29 | ng/ul  | 95       |
| 38) 2,4,6-Trichlorophenol      | 13.30 | 196  | 116942   | 20.26 | ng/ul  | 91       |
| 39) 2,4,5-Trichlorophenol      | 13.38 | 196  | 129719   | 20.51 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.70 | 154  | 380227   | 20.58 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.75 | 162  | 293255   | 19.93 | ng/ul  | 100      |
| 42) 2-Nitroaniline             | 13.95 | 65   | 117420   | 20.39 | ng/ul  | 96       |
| 44) Dimethylphthalate          | 14.31 | 163  | 417569   | 20.27 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 14.44 | 165  | 88628    | 20.02 | ng/ul# | 93       |
| 47) Acenaphthylene             | 14.59 | 152  | 448695   | 20.10 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.77 | 138  | 76348    | 19.91 | ng/ul# | 78       |
| 49) Acenaphthene               | 14.93 | 153  | 321070   | 20.99 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.98 | 184  | 54826    | 19.06 | ng/ul# | 79       |
| 52) 4-Nitrophenol              | 15.06 | 109  | 89147    | 20.57 | ng/ul  | 87       |
| 53) Dibenzofuran               | 15.26 | 168  | 486832   | 20.12 | ng/ul  | 94       |
| 54) 2,4-Dinitrotoluene         | 15.22 | 165  | 138615   | 20.77 | ng/ul# | 86       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.48 | 232  | 137774   | 20.61 | ng/ul  | 98       |
| 56) Diethylphthalate           | 15.65 | 149  | 442761   | 20.29 | ng/ul  | 98       |
| 58) Fluorene                   | 15.91 | 166  | 397985   | 20.21 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.89 | 204  | 225080   | 20.30 | ng/ul# | 85       |
| 60) 4-Nitroaniline             | 15.93 | 138  | 90756    | 19.63 | ng/ul  | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.98 | 198  | 95799    | 20.72 | ng/ul# | 93       |
| 64) N-Nitrosodiphenylamine     | 16.10 | 169  | 369751   | 19.90 | ng/ul  | 93       |
| 65) 4-Bromophenyl-phenylether  | 16.79 | 248  | 167379   | 20.52 | ng/ul  | 98       |
| 66) Hexachlorobenzene          | 16.90 | 284  | 189452   | 20.63 | ng/ul  | 93       |
| 67) Atrazine                   | 17.04 | 200  | 181869   | 20.60 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 17.25 | 266  | 105032   | 19.05 | ng/ul  | 90       |
| 69) Phenanthrene               | 17.65 | 178  | 717646   | 20.82 | ng/ul  | 95       |
| 71) Anthracene                 | 17.74 | 178  | 727567   | 20.54 | ng/ul  | 99       |
| 72) Carbazole                  | 18.01 | 167  | 639421   | 21.63 | ng/ul  | 97       |
| 73) Di-n-butylphthalate        | 18.53 | 149  | 773103   | 20.71 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.64 | 202  | 941087   | 22.98 | ng/ul  | 98       |
| 77) Pyrene                     | 20.01 | 202  | 943155   | 20.40 | ng/ul  | 99       |
| 78) Butylbenzylphthalate       | 20.86 | 149  | 368544   | 20.36 | ng/ul  | 94       |
| 79) 3,3'-Dichlorobenzidine     | 21.79 | 252  | 359390   | 21.44 | ng/ul  | 95       |
| 80) Benzo(a)anthracene         | 21.87 | 228  | 1021528  | 20.44 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.73 | 149  | 489104   | 19.63 | ng/ul# | 99       |
| 82) Chrysene                   | 21.94 | 228  | 953754   | 20.41 | ng/ul  | 98       |
| 84) Di-n-octyl phthalate       | 23.00 | 149  | 873657   | 21.95 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.22 | 252  | 1000850  | 20.59 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 24.29 | 252  | 956103   | 20.69 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 25.15 | 252  | 971712   | 20.79 | ng/ul# | 96       |
| 89) Indeno(1,2,3-cd)pyrene     | 29.23 | 276  | 1196824  | 20.61 | ng/ul  | 98       |
| 90) Dibenzo(a,h)anthracene     | 29.29 | 278  | 999714   | 20.43 | ng/ul  | 98       |
| 91) Benzo(g,h,i)perylene       | 30.46 | 276  | 971699   | 20.05 | ng/ul  | 94       |

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

