

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\  
 Data File : BG025428.D  
 Acq On : 4 Jan 2017 11:39  
 Operator : UM/SJ  
 Sample : SSTD02030  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02030

Manual Integrations  
 APPROVED

Quant Time: Jan 12 12:15:12 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 12 12:00:59 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.20  | 152  | 56017    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.03 | 136  | 233708   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.83 | 164  | 184727   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.58 | 188  | 439239   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.87 | 240  | 616620   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 25.27 | 264  | 656435   | 20.00 | ng/ul | 0.00     |

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## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.55  | 96  | 7928   | 6.66  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.36  | 99  | 91334  | 21.35 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.52  | 67  | 59261  | 23.71 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.73  | 132 | 64242  | 19.84 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.92  | 113 | 68260  | 20.37 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.39  | 128 | 31466  | 18.63 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.11 | 143 | 39954  | 21.10 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.66 | 165 | 76694  | 22.10 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.18 | 131 | 88826  | 22.61 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.23 | 166 | 256935 | 21.17 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.53 | 160 | 287259 | 19.78 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.06 | 143 | 29469  | 16.14 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.82 | 176 | 237477 | 22.47 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.96 | 200 | 52161  | 20.33 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.68 | 188 | 370527 | 19.30 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.95 | 212 | 493369 | 20.56 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 25.03 | 264 | 534590 | 19.38 | ng/ul | 0.00 |

1/13/2017 11:57:38 AM

## Target Compounds

|                                |       |     |        |       | Ovalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.59  | 88  | 10954  | 7.57  | ng/uL# 73 |
| 4) Benzaldehyde                | 7.35  | 77  | 68930  | 23.98 | ng/ul# 79 |
| 6) Phenol                      | 7.39  | 94  | 90552  | 20.30 | ng/ul# 69 |
| 8) Bis(2-Chloroethyl)ether     | 7.62  | 93  | 69989  | 20.67 | ng/ul# 77 |
| 10) 2-Chlorophenol             | 7.77  | 128 | 65710  | 19.96 | ng/ul# 86 |
| 11) 2-Methylphenol             | 8.66  | 108 | 64919  | 19.84 | ng/ul 94  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.73  | 45  | 127459 | 33.35 | ng/ul# 90 |
| 14) Acetophenone               | 9.04  | 105 | 114108 | 21.00 | ng/ul# 67 |
| 15) N-Nitroso-di-n-propylamine | 9.00  | 70  | 66636  | 23.91 | ng/ul# 74 |
| 16) 4-Methylphenol             | 8.98  | 108 | 76580  | 21.65 | ng/ul 89  |
| 17) Hexachloroethane           | 9.29  | 117 | 32065  | 21.31 | ng/ul# 80 |
| 20) Nitrobenzene               | 9.43  | 77  | 100747 | 22.84 | ng/ul# 77 |
| 21) Isophorone                 | 9.94  | 82  | 185451 | 23.70 | ng/ul# 92 |
| 23) 2-Nitrophenol              | 10.14 | 139 | 42921  | 22.11 | ng/ul# 69 |
| 24) 2,4-Dimethylphenol         | 10.19 | 107 | 91274  | 21.18 | ng/ul 87  |
| 25) Bis(2-Chloroethoxy)methane | 10.42 | 93  | 98647  | 21.72 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.69 | 162 | 72786  | 21.01 | ng/ul 99  |
| 28) Naphthalene                | 11.08 | 128 | 209645 | 18.88 | ng/ul# 97 |
| 30) 4-Chloroaniline            | 11.20 | 127 | 86205  | 21.73 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 11.34 | 225 | 73024  | 25.98 | ng/ul 88  |
| 32) Caprolactam                | 11.99 | 113 | 25262m | 23.72 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 12.31 | 107 | 81991  | 21.95 | ng/ul# 88 |
| 34) 2-Methylnaphthalene        | 12.68 | 142 | 168773 | 21.16 | ng/ul 99  |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.03 | 216  | 119315   | 20.61 | ng/ul# | 96       |
| 37) Hexachlorocyclopentadiene  | 12.99 | 237  | 36386    | 16.33 | ng/ul# | 89       |
| 38) 2,4,6-Trichlorophenol      | 13.28 | 196  | 70957    | 21.20 | ng/ul  | 90       |
| 39) 2,4,5-Trichlorophenol      | 13.37 | 196  | 77241    | 21.72 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.66 | 154  | 240479   | 19.64 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.72 | 162  | 186322   | 19.72 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 13.93 | 65   | 72473    | 25.62 | ng/ul# | 60       |
| 44) Dimethylphthalate          | 14.27 | 163  | 258050   | 21.71 | ng/ul# | 97       |
| 45) 2,6-Dinitrotoluene         | 14.42 | 165  | 50399    | 21.61 | ng/ul# | 67       |
| 47) Acenaphthylene             | 14.56 | 152  | 283642   | 19.26 | ng/ul  | 97       |
| 48) 3-Nitroaniline             | 14.76 | 138  | 48059    | 21.01 | ng/ul# | 69       |
| 49) Acenaphthene               | 14.90 | 153  | 192426   | 19.00 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.99 | 184  | 21814    | 16.42 | ng/ul  | 94       |
| 52) 4-Nitrophenol              | 15.07 | 109  | 42226    | 23.19 | ng/ul# | 69       |
| 53) Dibenzofuran               | 15.23 | 168  | 297835   | 20.34 | ng/ul  | 100      |
| 54) 2,4-Dinitrotoluene         | 15.21 | 165  | 80733    | 23.40 | ng/ul# | 55       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.46 | 232  | 80858    | 24.29 | ng/ul# | 82       |
| 56) Diethylphthalate           | 15.62 | 149  | 268075   | 22.51 | ng/ul  | 98       |
| 58) Fluorene                   | 15.87 | 166  | 238865   | 19.94 | ng/ul  | 93       |
| 59) 4-Chlorophenyl-phenylether | 15.85 | 204  | 138675   | 21.61 | ng/ul  | 90       |
| 60) 4-Nitroaniline             | 15.92 | 138  | 45862    | 21.99 | ng/ul# | 26       |
| 63) 4,6-Dinitro-2-methylphenol | 15.98 | 198  | 49420    | 18.69 | ng/ul# | 89       |
| 64) N-Nitrosodiphenylamine     | 16.07 | 169  | 224300   | 18.59 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.75 | 248  | 98571    | 20.12 | ng/ul  | 91       |
| 66) Hexachlorobenzene          | 16.88 | 284  | 119309   | 21.82 | ng/ul# | 85       |
| 67) Atrazine                   | 17.01 | 200  | 108151   | 22.07 | ng/ul# | 88       |
| 68) Pentachlorophenol          | 17.24 | 266  | 43024    | 14.37 | ng/ul  | 91       |
| 69) Phenanthrene               | 17.62 | 178  | 428056   | 18.90 | ng/ul  | 100      |
| 71) Anthracene                 | 17.71 | 178  | 437564   | 19.12 | ng/ul  | 97       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.64 | 216  | 120196   | 18.28 | ng/uL  | 97       |
| 73) Pentachlorobenzene         | 15.14 | 250  | 127187   | 19.15 | ng/uL  | 92       |
| 74) Carbazole                  | 17.99 | 167  | 374396   | 18.69 | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 18.50 | 149  | 465578   | 20.25 | ng/ul# | 98       |
| 76) Fluoranthene               | 19.62 | 202  | 580952   | 21.15 | ng/ul# | 90       |
| 79) Pvrene                     | 19.98 | 202  | 585442   | 19.08 | ng/ul# | 88       |
| 80) Butylbenzylphthalate       | 20.83 | 149  | 232814   | 20.54 | ng/ul# | 82       |
| 81) 3,3'-Dichlorobenzidine     | 21.76 | 252  | 243785   | 23.14 | ng/ul# | 92       |
| 82) Benzo(a)anthracene         | 21.85 | 228  | 647355   | 20.21 | ng/ul  | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.69 | 149  | 322499   | 19.40 | ng/ul# | 97       |
| 84) Chrysene                   | 21.92 | 228  | 606340   | 19.69 | ng/ul  | 97       |
| 86) Di-n-octyl phthalate       | 22.95 | 149  | 546772   | 17.06 | ng/ul# | 87       |
| 87) Benzo(b)fluoranthene       | 24.19 | 252  | 650267   | 18.54 | ng/ul# | 95       |
| 88) Benzo(k)fluoranthene       | 24.25 | 252  | 613931   | 18.04 | ng/ul# | 93       |
| 90) Benzo(a)pyrene             | 25.11 | 252  | 626796   | 18.46 | ng/ul# | 94       |
| 91) Indeno(1,2,3-cd)pyrene     | 29.20 | 276  | 782589   | 18.79 | ng/ul# | 78       |
| 92) Dibenzo(a,h)anthracene     | 29.24 | 278  | 640583   | 18.28 | ng/ul# | 90       |
| 93) Benzo(g,h,i)perylene       | 30.44 | 276  | 653384m  | 18.84 | ng/ul  |          |

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

