

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\  
 Data File : BG027553.D  
 Acq On : 20 Jun 2017 6:55  
 Operator : SJ/MA  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02091

Quant Time: Jun 20 07:27:57 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG061617.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 20 01:50:01 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.52  | 152  | 30626    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.34 | 136  | 151116   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.10 | 164  | 101053   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.85 | 188  | 245661   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 22.23 | 240  | 278979   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.88 | 264  | 258807   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 4.08  | 96  | 5020   | 6.56  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.65  | 99  | 63395  | 19.09 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.83  | 67  | 42912  | 18.96 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.05  | 132 | 43147  | 19.66 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.19  | 113 | 52833  | 20.35 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.68  | 128 | 22664  | 20.65 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.40 | 143 | 25373  | 21.76 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.94 | 165 | 49064  | 22.27 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.46 | 131 | 67590  | 24.23 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.49 | 166 | 169522 | 20.04 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.80 | 160 | 204375 | 20.97 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.27 | 143 | 26716  | 16.14 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 16.09 | 176 | 159926 | 20.15 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.19 | 200 | 26454  | 17.34 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.95 | 188 | 231869 | 20.24 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.22 | 212 | 262817 | 19.29 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.63 | 264 | 245665 | 21.08 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 4.11  | 88  | 5467   | 6.17 ng/uL#  | 84     |
| 4) Benzaldehyde                | 7.66  | 77  | 45146  | 23.25 ng/ul  | 98     |
| 6) Phenol                      | 7.68  | 94  | 67029  | 19.26 ng/ul  | 91     |
| 8) Bis(2-Chloroethyl)ether     | 7.92  | 93  | 47985  | 18.75 ng/ul  | 96     |
| 10) 2-Chlorophenol             | 8.08  | 128 | 44742  | 20.26 ng/ul  | 97     |
| 11) 2-Methylphenol             | 8.93  | 108 | 48521  | 19.29 ng/ul  | 95     |
| 12) 2,2'-oxybis(1-Chloropropan | 9.03  | 45  | 83939  | 19.70 ng/ul  | 98     |
| 14) Acetophenone               | 9.33  | 105 | 81023  | 20.19 ng/ul# | 89     |
| 15) N-Nitroso-di-n-propylamine | 9.30  | 70  | 48862  | 21.55 ng/ul# | 86     |
| 16) 4-Methylphenol             | 9.26  | 108 | 54829  | 19.84 ng/ul  | 96     |
| 17) Hexachloroethane           | 9.60  | 117 | 17361  | 20.50 ng/ul  | 83     |
| 20) Nitrobenzene               | 9.72  | 77  | 67806  | 21.93 ng/ul  | 94     |
| 21) Isophorone                 | 10.24 | 82  | 124351 | 20.39 ng/ul# | 97     |
| 23) 2-Nitrophenol              | 10.44 | 139 | 28075  | 21.92 ng/ul# | 80     |
| 24) 2,4-Dimethylphenol         | 10.47 | 107 | 66094  | 21.67 ng/ul  | 96     |
| 25) Bis(2-Chloroethoxy)methane | 10.71 | 93  | 72559  | 19.34 ng/ul  | 93     |
| 27) 2,4-Dichlorophenol         | 10.97 | 162 | 48968  | 21.99 ng/ul  | 96     |
| 28) Naphthalene                | 11.38 | 128 | 154477 | 19.89 ng/ul  | 99     |
| 30) 4-Chloroaniline            | 11.48 | 127 | 65106  | 23.65 ng/ul  | 93     |
| 31) Hexachlorobutadiene        | 11.66 | 225 | 30507  | 22.27 ng/ul# | 86     |
| 32) Caprolactam                | 12.24 | 113 | 18671  | 19.01 ng/ul  | 91     |
| 33) 4-Chloro-3-methylphenol    | 12.57 | 107 | 66531  | 22.68 ng/ul  | 99     |
| 34) 2-Methylnaphthalene        | 12.95 | 142 | 120659 | 20.95 ng/ul  | 94     |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 20 01:50:01 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.31 | 216  | 67846    | 22.68 | ng/ul  | 93       |
| 37) Hexachlorocyclopentadiene  | 13.29 | 237  | 30897    | 18.44 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 13.54 | 196  | 45342    | 22.91 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 13.62 | 196  | 46832    | 22.72 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.93 | 154  | 163756   | 20.48 | ng/ul# | 96       |
| 41) 2-Chloronaphthalene        | 13.99 | 162  | 127100   | 21.08 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 14.18 | 65   | 52543    | 23.16 | ng/ul  | 97       |
| 44) Dimethylphthalate          | 14.53 | 163  | 168929   | 20.13 | ng/ul  | 96       |
| 45) 2,6-Dinitrotoluene         | 14.66 | 165  | 34154    | 21.86 | ng/ul# | 91       |
| 47) Acenaphthylene             | 14.83 | 152  | 201752   | 20.66 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 15.00 | 138  | 33848    | 19.96 | ng/ul# | 91       |
| 49) Acenaphthene               | 15.17 | 153  | 137449   | 20.18 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 15.20 | 184  | 15698    | 14.50 | ng/ul  | 96       |
| 52) 4-Nitrophenol              | 15.29 | 109  | 24703    | 18.77 | ng/ul# | 64       |
| 53) Dibenzofuran               | 15.50 | 168  | 203730   | 20.52 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 15.45 | 165  | 49663    | 20.76 | ng/ul# | 91       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.72 | 232  | 44742    | 22.32 | ng/ul# | 94       |
| 56) Diethylphthalate           | 15.89 | 149  | 175821   | 19.82 | ng/ul  | 100      |
| 58) Fluorene                   | 16.14 | 166  | 168987   | 20.51 | ng/ul  | 95       |
| 59) 4-Chlorophenyl-phenylether | 16.13 | 204  | 88049    | 21.26 | ng/ul  | 87       |
| 60) 4-Nitroaniline             | 16.16 | 138  | 36734    | 17.69 | ng/ul# | 78       |
| 63) 4,6-Dinitro-2-methylphenol | 16.21 | 198  | 27393    | 17.02 | ng/ul# | 96       |
| 64) N-Nitrosodiphenylamine     | 16.34 | 169  | 145182   | 20.54 | ng/ul  | 94       |
| 65) 4-Bromophenyl-phenylether  | 17.03 | 248  | 57263    | 23.01 | ng/ul  | 92       |
| 66) Hexachlorobenzene          | 17.15 | 284  | 59123    | 22.56 | ng/ul  | 99       |
| 67) Atrazine                   | 17.28 | 200  | 55587    | 20.54 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 17.50 | 266  | 30757    | 17.68 | ng/ul  | 94       |
| 69) Phenanthrene               | 17.89 | 178  | 259912   | 19.69 | ng/ul  | 99       |
| 71) Anthracene                 | 17.99 | 178  | 269417   | 20.07 | ng/ul  | 98       |
| 72) Carbazole                  | 18.25 | 167  | 221172   | 19.16 | ng/ul  | 97       |
| 73) Di-n-butylphthalate        | 18.78 | 149  | 286771   | 20.09 | ng/ul  | 97       |
| 74) Fluoranthene               | 19.89 | 202  | 304877   | 20.53 | ng/ul# | 92       |
| 77) Pyrene                     | 20.25 | 202  | 316596   | 19.20 | ng/ul# | 89       |
| 78) Butylbenzylphthalate       | 21.13 | 149  | 128791   | 20.72 | ng/ul  | 97       |
| 79) 3,3'-Dichlorobenzidine     | 22.10 | 252  | 104268   | 20.30 | ng/ul# | 92       |
| 80) Benzo(a)anthracene         | 22.21 | 228  | 321724   | 20.71 | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 22.05 | 149  | 181972   | 20.39 | ng/ul  | 100      |
| 82) Chrysene                   | 22.28 | 228  | 286729   | 20.44 | ng/ul  | 98       |
| 84) Di-n-octyl phthalate       | 23.42 | 149  | 311163   | 19.19 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.71 | 252  | 309802   | 20.10 | ng/ul# | 96       |
| 86) Benzo(k)fluoranthene       | 24.79 | 252  | 307225   | 20.74 | ng/ul# | 95       |
| 88) Benzo(a)pyrene             | 25.70 | 252  | 303393   | 20.50 | ng/ul# | 96       |
| 89) Indeno(1,2,3-cd)pyrene     | 30.08 | 276  | 330034   | 19.53 | ng/ul# | 95       |
| 90) Dibenzo(a,h)anthracene     | 30.15 | 278  | 284304   | 19.60 | ng/ul# | 91       |
| 91) Benzo(g,h,i)perylene       | 31.40 | 276  | 256039   | 18.51 | ng/ul# | 91       |

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

