

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG032717\  
 Data File : BG026451.D  
 Acq On : 28 Mar 2017 9:52  
 Operator : SJ/MA  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02010

Quant Time: Mar 28 11:27:49 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG032717MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 28 09:19:02 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.04  | 152  | 165944   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.84 | 136  | 692637   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.65 | 164  | 402519   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.38 | 188  | 965325   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.63 | 240  | 1131088  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.81 | 264  | 1115656  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.47  | 96  | 29213   | 8.42  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.20  | 99  | 257538  | 21.08 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.36  | 67  | 143681  | 20.98 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.57  | 132 | 226999  | 20.72 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.74  | 113 | 203362  | 20.66 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.19  | 128 | 103818  | 20.97 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.92  | 143 | 122893  | 21.18 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.46 | 165 | 222426  | 20.89 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.97 | 131 | 277636  | 26.20 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.05 | 166 | 654635  | 21.00 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.34 | 160 | 821846  | 21.16 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.84 | 143 | 125219  | 20.65 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.63 | 176 | 591783  | 20.90 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.76 | 200 | 124230  | 20.01 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.48 | 188 | 917548  | 20.93 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.76 | 212 | 1055105 | 20.91 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.59 | 264 | 1011704 | 21.11 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.51  | 88  | 29370  | 7.93 ng/uL#  | 88     |
| 4) Benzaldehyde                | 7.18  | 77  | 141708 | 20.76 ng/ul  | 87     |
| 6) Phenol                      | 7.22  | 94  | 272325 | 21.34 ng/ul# | 90     |
| 8) Bis(2-Chloroethyl)ether     | 7.45  | 93  | 210552 | 21.62 ng/ul  | 98     |
| 10) 2-Chlorophenol             | 7.61  | 128 | 222836 | 21.02 ng/ul  | 100    |
| 11) 2-Methylphenol             | 8.48  | 108 | 206731 | 20.72 ng/ul  | 100    |
| 12) 2,2'-oxybis(1-Chloropropan | 8.57  | 45  | 194352 | 21.16 ng/ul  | 99     |
| 14) Acetophenone               | 8.86  | 105 | 312780 | 21.15 ng/ul  | 92     |
| 15) N-Nitroso-di-n-propylamine | 8.84  | 70  | 140157 | 20.42 ng/ul  | 92     |
| 16) 4-Methylphenol             | 8.81  | 108 | 226880 | 21.01 ng/ul  | 99     |
| 17) Hexachloroethane           | 9.12  | 117 | 83699  | 21.32 ng/ul  | 92     |
| 20) Nitrobenzene               | 9.24  | 77  | 202983 | 20.64 ng/ul  | 92     |
| 21) Isophorone                 | 9.76  | 82  | 395215 | 21.10 ng/ul  | 95     |
| 23) 2-Nitrophenol              | 9.95  | 139 | 129553 | 21.23 ng/ul# | 84     |
| 24) 2,4-Dimethylphenol         | 10.01 | 107 | 226306 | 20.65 ng/ul  | 92     |
| 25) Bis(2-Chloroethoxy)methane | 10.24 | 93  | 270353 | 20.89 ng/ul  | 97     |
| 27) 2,4-Dichlorophenol         | 10.49 | 162 | 223374 | 21.24 ng/ul  | 96     |
| 28) Naphthalene                | 10.89 | 128 | 699706 | 21.05 ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.99 | 127 | 256468 | 25.37 ng/ul  | 98     |
| 31) Hexachlorobutadiene        | 11.17 | 225 | 139478 | 20.84 ng/ul  | 98     |
| 32) Caprolactam                | 11.74 | 113 | 68870  | 18.55 ng/ul  | 97     |
| 33) 4-Chloro-3-methylphenol    | 12.11 | 107 | 213488 | 20.97 ng/ul# | 87     |
| 34) 2-Methylnaphthalene        | 12.49 | 142 | 543825 | 21.16 ng/ul  | 99     |

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 Data File : BG026451.D  
 Acq On : 28 Mar 2017 9:52  
 Operator : SJ/MA  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTD02010

Quant Time: Mar 28 11:27:49 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG032717MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 28 09:19:02 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216  | 266276   | 21.01 | ng/ul# | 97       |
| 37) Hexachlorocyclopentadiene  | 12.84 | 237  | 115303   | 18.21 | ng/ul  | 97       |
| 38) 2,4,6-Trichlorophenol      | 13.09 | 196  | 178774   | 21.26 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 13.16 | 196  | 182062   | 21.03 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.48 | 154  | 681125   | 21.09 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.53 | 162  | 511571   | 20.99 | ng/ul  | 93       |
| 42) 2-Nitroaniline             | 13.73 | 65   | 118374   | 20.89 | ng/ul  | 90       |
| 44) Dimethylphthalate          | 14.09 | 163  | 631970   | 20.92 | ng/ul  | 97       |
| 45) 2,6-Dinitrotoluene         | 14.22 | 165  | 138423   | 21.23 | ng/ul# | 87       |
| 47) Acenaphthylene             | 14.37 | 152  | 824886   | 21.33 | ng/ul  | 97       |
| 48) 3-Nitroaniline             | 14.55 | 138  | 143133   | 23.83 | ng/ul  | 92       |
| 49) Acenaphthene               | 14.71 | 153  | 559449   | 20.85 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.76 | 184  | 68427    | 18.64 | ng/ul# | 81       |
| 52) 4-Nitrophenol              | 14.86 | 109  | 68089    | 21.16 | ng/ul# | 64       |
| 53) Dibenzofuran               | 15.04 | 168  | 813459   | 21.32 | ng/ul  | 87       |
| 54) 2,4-Dinitrotoluene         | 15.00 | 165  | 202607   | 21.50 | ng/ul# | 84       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.27 | 232  | 174064   | 20.91 | ng/ul# | 88       |
| 56) Diethylphthalate           | 15.45 | 149  | 638921   | 21.28 | ng/ul  | 97       |
| 58) Fluorene                   | 15.69 | 166  | 662555   | 20.89 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.68 | 204  | 327042   | 20.99 | ng/ul# | 86       |
| 60) 4-Nitroaniline             | 15.70 | 138  | 155758   | 20.81 | ng/ul# | 74       |
| 63) 4,6-Dinitro-2-methylphenol | 15.77 | 198  | 136845   | 21.00 | ng/ul# | 83       |
| 64) N-Nitrosodiphenylamine     | 15.89 | 169  | 574185   | 20.79 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.57 | 248  | 214488   | 20.20 | ng/ul# | 87       |
| 66) Hexachlorobenzene          | 16.70 | 284  | 237743   | 20.89 | ng/ul# | 87       |
| 67) Atrazine                   | 16.83 | 200  | 225267   | 21.06 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 17.04 | 266  | 137484   | 20.30 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.42 | 178  | 1047670  | 20.71 | ng/ul  | 99       |
| 71) Anthracene                 | 17.51 | 178  | 1087236  | 21.01 | ng/ul  | 96       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.46 | 216  | 261392   | 20.56 | ng/uL  | 98       |
| 73) Pentachlorobenzene         | 14.97 | 250  | 296129   | 20.47 | ng/uL  | 98       |
| 74) Carbazole                  | 17.78 | 167  | 1006224  | 22.61 | ng/ul  | 97       |
| 75) Di-n-butylphthalate        | 18.33 | 149  | 1140761  | 21.75 | ng/ul  | 98       |
| 76) Fluoranthene               | 19.42 | 202  | 1292190  | 23.91 | ng/ul  | 99       |
| 79) Pyrene                     | 19.79 | 202  | 1324861  | 21.04 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.66 | 149  | 527682   | 21.18 | ng/ul  | 90       |
| 81) 3,3'-Dichlorobenzidine     | 21.52 | 252  | 463817   | 23.63 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.61 | 228  | 1304685  | 21.33 | ng/ul  | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.51 | 149  | 752950   | 21.15 | ng/ul# | 94       |
| 84) Chrysene                   | 21.67 | 228  | 1182684  | 20.91 | ng/ul  | 97       |
| 86) Di-n-octyl phthalate       | 22.69 | 149  | 1279079  | 22.29 | ng/ul# | 96       |
| 87) Benzo(b)fluoranthene       | 23.79 | 252  | 1321197  | 20.88 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 23.86 | 252  | 1297334  | 21.46 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 24.66 | 252  | 1291696  | 21.10 | ng/ul  | 98       |
| 91) Indeno(1,2,3-cd)pyrene     | 28.43 | 276  | 1542004  | 20.89 | ng/ul# | 94       |
| 92) Dibenzo(a,h)anthracene     | 28.48 | 278  | 1293323  | 20.99 | ng/ul  | 98       |
| 93) Benzo(g,h,i)perylene       | 29.55 | 276  | 1278950  | 20.83 | ng/ul  | 99       |

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

