

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110517\  
 Data File : BG030748.D  
 Acq On : 5 Nov 2017 21:14  
 Operator : SJ/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02085

Quant Time: Nov 06 00:55:19 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Nov 06 00:53:03 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.15  | 152  | 62908    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.96 | 136  | 278449   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.77 | 164  | 183085   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.51 | 188  | 476217   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.78 | 240  | 600045   | 20.00 | ng/ul | -0.01    |
| 83) Perylene-d12          | 25.08 | 264  | 595148   | 20.00 | ng/ul | -0.03    |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.53  | 96  | 12618  | 8.15  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.31  | 99  | 98921  | 16.38 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.47  | 67  | 59128  | 15.65 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.68  | 132 | 81024  | 19.02 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.85  | 113 | 85173  | 17.47 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.32  | 128 | 38571  | 19.30 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.04 | 143 | 44163  | 21.56 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.59 | 165 | 89889  | 19.26 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.10 | 131 | 111123 | 20.49 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 14.16 | 166 | 289270 | 18.48 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.46 | 160 | 358903 | 18.85 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.96 | 143 | 49056  | 16.98 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.76 | 176 | 274932 | 21.45 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.87 | 200 | 50274  | 21.63 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.60 | 188 | 433274 | 19.24 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.88 | 212 | 560558 | 18.05 | ng/ul | -0.01 |
| 87) Benzo(a)pyrene-d12         | 24.85 | 264 | 551681 | 19.57 | ng/ul | -0.02 |

## Target Compounds

|                                |       |     |        |        | Ovalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 2) 1,4-Dioxane                 | 3.57  | 88  | 13866  | 7.347  | ng/uL# | 92 |
| 4) Benzaldehyde                | 7.28  | 77  | 62794  | 16.832 | ng/ul  | 88 |
| 6) Phenol                      | 7.34  | 94  | 102881 | 16.467 | ng/ul# | 89 |
| 8) Bis(2-Chloroethyl)ether     | 7.56  | 93  | 80085  | 16.839 | ng/ul  | 90 |
| 10) 2-Chlorophenol             | 7.71  | 128 | 82885  | 19.036 | ng/ul# | 89 |
| 11) 2-Methylphenol             | 8.59  | 108 | 77574  | 16.608 | ng/ul  | 90 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.68  | 45  | 121425 | 17.420 | ng/ul# | 95 |
| 14) Acetophenone               | 8.97  | 105 | 128020 | 17.191 | ng/ul  | 88 |
| 15) N-Nitroso-di-n-propylamine | 8.95  | 70  | 64592  | 15.652 | ng/ul# | 94 |
| 16) 4-Methylphenol             | 8.92  | 108 | 84992  | 16.702 | ng/ul  | 99 |
| 17) Hexachloroethane           | 9.24  | 117 | 32402  | 18.638 | ng/ul  | 89 |
| 20) Nitrobenzene               | 9.36  | 77  | 90199  | 16.550 | ng/ul# | 82 |
| 21) Isophorone                 | 9.88  | 82  | 182140 | 15.818 | ng/ul  | 95 |
| 23) 2-Nitrophenol              | 10.07 | 139 | 46814  | 20.597 | ng/ul# | 76 |
| 24) 2,4-Dimethylphenol         | 10.13 | 107 | 95365  | 17.254 | ng/ul  | 92 |
| 25) Bis(2-Chloroethoxy)methane | 10.36 | 93  | 111622 | 16.104 | ng/ul  | 98 |
| 27) 2,4-Dichlorophenol         | 10.62 | 162 | 88269  | 19.751 | ng/ul  | 98 |
| 28) Naphthalene                | 11.02 | 128 | 270975 | 18.392 | ng/ul  | 99 |
| 30) 4-Chloroaniline            | 11.12 | 127 | 111300 | 20.975 | ng/ul  | 97 |
| 31) Hexachlorobutadiene        | 11.30 | 225 | 63809  | 22.856 | ng/ul  | 99 |
| 32) Caprolactam                | 11.86 | 113 | 33661  | 17.598 | ng/ul  | 90 |
| 33) 4-Chloro-3-methylphenol    | 12.24 | 107 | 89653  | 17.097 | ng/ul  | 92 |
| 34) 2-Methylnaphthalene        | 12.61 | 142 | 210004 | 17.219 | ng/ul  | 97 |

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 Data File : BG030748.D  
 Acq On : 5 Nov 2017 21:14  
 Operator : SJ/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02085

Quant Time: Nov 06 00:55:19 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Nov 06 00:53:03 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.97 | 216  | 121878   | 22.464 | ng/ul  | 92       |
| 37) Hexachlorocyclopentadiene  | 12.95 | 237  | 35366    | 12.366 | ng/ul  | 95       |
| 38) 2,4,6-Trichlorophenol      | 13.21 | 196  | 76634    | 20.388 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 13.29 | 196  | 82493    | 20.786 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.60 | 154  | 278652   | 18.460 | ng/ul  | 95       |
| 41) 2-Chloronaphthalene        | 13.65 | 162  | 220493   | 19.298 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 13.85 | 65   | 55167    | 15.414 | ng/ul# | 79       |
| 44) Dimethylphthalate          | 14.21 | 163  | 297982   | 19.518 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 14.34 | 165  | 57160    | 21.405 | ng/ul# | 87       |
| 47) Acenaphthylene             | 14.49 | 152  | 344675   | 17.750 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.66 | 138  | 58573    | 20.244 | ng/ul  | 84       |
| 49) Acenaphthene               | 14.83 | 153  | 236601   | 17.809 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.88 | 184  | 20034    | 14.017 | ng/ul# | 67       |
| 52) 4-Nitrophenol              | 14.98 | 109  | 35282    | 16.181 | ng/ul# | 83       |
| 53) Dibenzofuran               | 15.16 | 168  | 352889   | 19.429 | ng/ul  | 93       |
| 54) 2,4-Dinitrotoluene         | 15.12 | 165  | 86105    | 22.054 | ng/ul# | 80       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.39 | 232  | 77305    | 22.151 | ng/ul  | 91       |
| 56) Diethylphthalate           | 15.56 | 149  | 300642   | 19.110 | ng/ul  | 98       |
| 58) Fluorene                   | 15.81 | 166  | 284091   | 19.607 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.80 | 204  | 156941   | 23.022 | ng/ul# | 88       |
| 60) 4-Nitroaniline             | 15.83 | 138  | 70266    | 19.755 | ng/ul  | 88       |
| 63) 4,6-Dinitro-2-methylphenol | 15.89 | 198  | 53944    | 21.963 | ng/ul# | 83       |
| 64) N-Nitrosodiphenylamine     | 16.01 | 169  | 260116   | 18.313 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.69 | 248  | 104710   | 21.795 | ng/ul# | 90       |
| 66) Hexachlorobenzene          | 16.81 | 284  | 115771   | 23.552 | ng/ul  | 90       |
| 67) Atrazine                   | 16.95 | 200  | 111668   | 20.702 | ng/ul  | 94       |
| 68) Pentachlorophenol          | 17.16 | 266  | 56900    | 19.429 | ng/ul  | 91       |
| 69) Phenanthrene               | 17.55 | 178  | 490065   | 19.036 | ng/ul  | 98       |
| 71) Anthracene                 | 17.64 | 178  | 511180   | 19.245 | ng/ul  | 98       |
| 72) Carbazole                  | 17.91 | 167  | 474230   | 19.862 | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 18.45 | 149  | 559401   | 19.500 | ng/ul  | 98       |
| 74) Fluoranthene               | 19.55 | 202  | 674216   | 23.434 | ng/ul  | 100      |
| 77) Pyrene                     | 19.91 | 202  | 698299   | 17.364 | ng/ul  | 98       |
| 78) Butylbenzylphthalate       | 20.77 | 149  | 286363   | 17.562 | ng/ul  | 87       |
| 79) 3,3'-Dichlorobenzidine     | 21.66 | 252  | 265343   | 24.165 | ng/ul# | 98       |
| 80) Benzo(a)anthracene         | 21.76 | 228  | 737280   | 19.606 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.64 | 149  | 406970   | 17.223 | ng/ul# | 98       |
| 82) Chrysene                   | 21.83 | 228  | 672387   | 19.679 | ng/ul  | 98       |
| 84) Di-n-octyl phthalate       | 22.87 | 149  | 680811   | 17.097 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.02 | 252  | 719438   | 20.136 | ng/ul  | 96       |
| 86) Benzo(k)fluoranthene       | 24.09 | 252  | 708232   | 20.502 | ng/ul  | 97       |
| 88) Benzo(a)pyrene             | 24.92 | 252  | 697096   | 20.044 | ng/ul  | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 28.85 | 276  | 820172   | 20.844 | ng/ul  | 99       |
| 90) Dibenzo(a,h)anthracene     | 28.91 | 278  | 691319   | 21.150 | ng/ul  | 96       |
| 91) Benzo(g,h,i)perylene       | 30.04 | 276  | 683244   | 20.948 | ng/ul  | 95       |

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

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Acq On : 5 Nov 2017 21:14  
Operator : SJ/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02085

Quant Time: Nov 06 00:55:19 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Nov 06 00:53:03 2017  
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