

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG103017\  
 Data File : BG030609.D  
 Acq On : 31 Oct 2017 12:44  
 Operator : SJ/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SSTD02081

Manual Integrations  
 APPROVED

Sohil  
 10/31/2017 7:44:05 PM

Quant Time: Oct 31 14:55:41 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG101417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 31 07:15:18 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.16  | 152  | 86717    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.98 | 136  | 414579   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.78 | 164  | 263967   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.52 | 188  | 581643   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.80 | 240  | 598104   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.12 | 264  | 613152   | 20.00 | ng/ul | 0.02     |

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## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.54  | 96  | 14682  | 6.88  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.32  | 99  | 141387 | 16.99 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.47  | 67  | 80059  | 15.37 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.69  | 132 | 114723 | 19.54 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.87  | 113 | 127481 | 18.96 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.32  | 128 | 58687  | 19.72 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.05 | 143 | 69285  | 22.72 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.59 | 165 | 137562 | 19.80 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.10 | 131 | 165432 | 20.49 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.18 | 166 | 397127 | 17.60 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.48 | 160 | 524933 | 19.13 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.97 | 143 | 64832  | 15.56 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.77 | 176 | 369796 | 20.01 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.89 | 200 | 64904  | 22.86 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.62 | 188 | 524934 | 19.08 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.89 | 212 | 587846 | 18.99 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.89 | 264 | 555824 | 19.14 | ng/ul | 0.01 |

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## Target Compounds

|                                |       |     |        |               | Qvalue |
|--------------------------------|-------|-----|--------|---------------|--------|
| 2) 1,4-Dioxane                 | 3.58  | 88  | 15942  | 6.128 ng/uL#  | 86     |
| 4) Benzaldehyde                | 7.29  | 77  | 90372  | 17.573 ng/ul  | 94     |
| 6) Phenol                      | 7.34  | 94  | 151254 | 17.563 ng/ul# | 87     |
| 8) Bis(2-Chloroethyl)ether     | 7.57  | 93  | 108552 | 16.558 ng/ul  | 87     |
| 10) 2-Chlorophenol             | 7.73  | 128 | 113909 | 18.979 ng/ul# | 89     |
| 11) 2-Methylphenol             | 8.60  | 108 | 114643 | 17.805 ng/ul  | 94     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.69  | 45  | 170948 | 17.792 ng/ul# | 98     |
| 14) Acetophenone               | 8.98  | 105 | 180567 | 17.590 ng/ul  | 88     |
| 15) N-Nitroso-di-n-propylamine | 8.96  | 70  | 92928  | 16.335 ng/ul# | 94     |
| 16) 4-Methylphenol             | 8.93  | 108 | 128251 | 18.283 ng/ul  | 98     |
| 17) Hexachloroethane           | 9.25  | 117 | 43813  | 18.282 ng/ul  | 87     |
| 20) Nitrobenzene               | 9.37  | 77  | 133780 | 16.487 ng/ul# | 87     |
| 21) Isophorone                 | 9.89  | 82  | 264132 | 15.406 ng/ul  | 95     |
| 23) 2-Nitrophenol              | 10.08 | 139 | 73096  | 21.600 ng/ul# | 80     |
| 24) 2,4-Dimethylphenol         | 10.14 | 107 | 143416 | 17.428 ng/ul# | 88     |
| 25) Bis(2-Chloroethoxy)methane | 10.36 | 93  | 163626 | 15.855 ng/ul  | 96     |
| 27) 2,4-Dichlorophenol         | 10.62 | 162 | 135278 | 20.330 ng/ul  | 97     |
| 28) Naphthalene                | 11.03 | 128 | 386427 | 17.615 ng/ul  | 99     |
| 30) 4-Chloroaniline            | 11.13 | 127 | 159550 | 20.195 ng/ul  | 96     |
| 31) Hexachlorobutadiene        | 11.31 | 225 | 91852  | 22.098 ng/ul  | 96     |
| 32) Caprolactam                | 11.89 | 113 | 45237  | 15.884 ng/ul  | 91     |
| 33) 4-Chloro-3-methylphenol    | 12.24 | 107 | 137970 | 17.672 ng/ul  | 92     |
| 34) 2-Methylnaphthalene        | 12.62 | 142 | 309894 | 17.066 ng/ul  | 95     |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02081

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 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG101417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 31 07:15:18 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.98 | 216  | 183154   | 23.414 | ng/ul  | 92       |
| 37) Hexachlorocyclopentadiene  | 12.96 | 237  | 71638    | 17.373 | ng/ul  | 93       |
| 38) 2,4,6-Trichlorophenol      | 13.22 | 196  | 121303   | 22.383 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 13.30 | 196  | 124437   | 21.747 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.61 | 154  | 404912   | 18.605 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.66 | 162  | 323867   | 19.660 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 13.86 | 65   | 86502    | 16.763 | ng/ul# | 81       |
| 44) Dimethylphthalate          | 14.22 | 163  | 399886   | 18.167 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 14.35 | 165  | 85819    | 22.290 | ng/ul# | 82       |
| 47) Acenaphthylene             | 14.51 | 152  | 497331   | 17.764 | ng/ul  | 97       |
| 48) 3-Nitroaniline             | 14.68 | 138  | 82468    | 19.769 | ng/ul# | 83       |
| 49) Acenaphthene               | 14.85 | 153  | 337183   | 17.604 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.89 | 184  | 58399    | 28.340 | ng/ul# | 75       |
| 52) 4-Nitrophenol              | 14.99 | 109  | 46091m   | 14.661 | ng/ul  |          |
| 53) Dibenzofuran               | 15.18 | 168  | 491337   | 18.763 | ng/ul  | 93       |
| 54) 2,4-Dinitrotoluene         | 15.14 | 165  | 119766   | 21.276 | ng/ul# | 86       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.40 | 232  | 112636   | 22.386 | ng/ul# | 90       |
| 56) Diethylphthalate           | 15.58 | 149  | 388583   | 17.132 | ng/ul  | 98       |
| 58) Fluorene                   | 15.82 | 166  | 382314   | 18.301 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.81 | 204  | 213314   | 21.703 | ng/ul  | 89       |
| 60) 4-Nitroaniline             | 15.83 | 138  | 83903    | 16.361 | ng/ul  | 89       |
| 63) 4,6-Dinitro-2-methylphenol | 15.90 | 198  | 69069    | 23.024 | ng/ul# | 78       |
| 64) N-Nitrosodiphenylamine     | 16.02 | 169  | 335639   | 19.347 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.70 | 248  | 138519   | 23.606 | ng/ul  | 92       |
| 66) Hexachlorobenzene          | 16.83 | 284  | 147161   | 24.511 | ng/ul  | 92       |
| 67) Atrazine                   | 16.96 | 200  | 132882   | 20.170 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 17.17 | 266  | 75758    | 21.180 | ng/ul  | 90       |
| 69) Phenanthrene               | 17.56 | 178  | 583464   | 18.556 | ng/ul  | 97       |
| 71) Anthracene                 | 17.66 | 178  | 600751   | 18.518 | ng/ul  | 99       |
| 72) Carbazole                  | 17.92 | 167  | 532552   | 18.262 | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 18.46 | 149  | 636509   | 18.166 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.56 | 202  | 707703   | 20.139 | ng/ul  | 99       |
| 77) Pyrene                     | 19.92 | 202  | 718631   | 17.928 | ng/ul  | 99       |
| 78) Butylbenzylphthalate       | 20.79 | 149  | 295241   | 18.165 | ng/ul  | 91       |
| 79) 3,3'-Dichlorobenzidine     | 21.68 | 252  | 263043   | 24.033 | ng/ul  | 98       |
| 80) Benzo(a)anthracene         | 21.77 | 228  | 726930   | 19.394 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.66 | 149  | 416389   | 17.678 | ng/ul# | 99       |
| 82) Chrysene                   | 21.85 | 228  | 663645   | 19.486 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.90 | 149  | 710002   | 17.307 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.06 | 252  | 714181   | 19.402 | ng/ul  | 97       |
| 86) Benzo(k)fluoranthene       | 24.12 | 252  | 703494   | 19.767 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 24.96 | 252  | 696890   | 19.450 | ng/ul  | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 28.93 | 276  | 845579   | 20.859 | ng/ul  | 99       |
| 90) Dibenzo(a,h)anthracene     | 28.98 | 278  | 706144   | 20.969 | ng/ul  | 97       |
| 91) Benzo(g,h,i)perylene       | 30.12 | 276  | 693354   | 20.634 | ng/ul  | 98       |

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

