

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG102815\  
 Data File : BG019378.D  
 Acq On : 28 Oct 2015 12:42  
 Operator : UM/NP  
 Sample : SSTD02012  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02012

Quant Time: Oct 28 14:41:38 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 28 14:34:31 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.21  | 152  | 30398    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.03 | 136  | 121409   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.84 | 164  | 96870    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.58 | 188  | 273835   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.87 | 240  | 343752   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.25 | 264  | 326187   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.51  | 96  | 4409   | 8.05  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.34  | 99  | 53071  | 19.84 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.51  | 67  | 34267  | 21.45 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.73  | 132 | 33512  | 19.41 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.91  | 113 | 43668  | 20.94 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.37  | 128 | 17334  | 18.80 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.11 | 143 | 21591  | 20.50 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.65 | 165 | 45589  | 19.85 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.16 | 131 | 53389  | 23.40 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.23 | 166 | 159602 | 19.87 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.53 | 160 | 178492 | 20.08 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.01 | 143 | 25698  | 19.68 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.82 | 176 | 150759 | 20.01 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.93 | 200 | 34919  | 19.37 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.67 | 188 | 247359 | 19.73 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.95 | 212 | 301512 | 20.02 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 25.01 | 264 | 322513 | 19.38 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.55  | 88  | 4730   | 7.71  | ng/uL# | 91     |
| 4) Benzaldehyde                | 7.33  | 77  | 41889  | 25.23 | ng/ul  | 93     |
| 6) Phenol                      | 7.37  | 94  | 58262  | 20.72 | ng/ul  | 97     |
| 8) Bis(2-Chloroethyl)ether     | 7.61  | 93  | 40384  | 21.13 | ng/ul  | 88     |
| 10) 2-Chlorophenol             | 7.76  | 128 | 34740  | 19.79 | ng/ul  | 96     |
| 11) 2-Methylphenol             | 8.64  | 108 | 42115  | 19.34 | ng/ul  | 100    |
| 12) 2,2'-oxybis(1-Chloropropan | 8.74  | 45  | 31314  | 22.26 | ng/ul  | 95     |
| 14) Acetophenone               | 9.03  | 105 | 74619  | 21.30 | ng/ul  | 92     |
| 15) N-Nitroso-di-n-propylamine | 9.01  | 70  | 45830  | 21.28 | ng/ul# | 90     |
| 16) 4-Methylphenol             | 8.97  | 108 | 47155  | 20.43 | ng/ul  | 98     |
| 17) Hexachloroethane           | 9.31  | 117 | 16386  | 18.20 | ng/ul# | 87     |
| 20) Nitrobenzene               | 9.42  | 77  | 68492  | 20.86 | ng/ul  | 96     |
| 21) Isophorone                 | 9.94  | 82  | 122321 | 21.33 | ng/ul# | 94     |
| 23) 2-Nitrophenol              | 10.13 | 139 | 23254  | 19.85 | ng/ul# | 86     |
| 24) 2,4-Dimethylphenol         | 10.19 | 107 | 61466  | 20.71 | ng/ul  | 99     |
| 25) Bis(2-Chloroethoxy)methane | 10.42 | 93  | 58997  | 21.28 | ng/ul  | 97     |
| 27) 2,4-Dichlorophenol         | 10.68 | 162 | 45113  | 20.14 | ng/ul  | 95     |
| 28) Naphthalene                | 11.09 | 128 | 120746 | 19.97 | ng/ul  | 95     |
| 30) 4-Chloroaniline            | 11.19 | 127 | 54512  | 23.01 | ng/ul  | 92     |
| 31) Hexachlorobutadiene        | 11.36 | 225 | 45113  | 19.46 | ng/ul# | 89     |
| 32) Caprolactam                | 11.94 | 113 | 15774  | 22.04 | ng/ul# | 78     |
| 33) 4-Chloro-3-methylphenol    | 12.29 | 107 | 59353  | 20.60 | ng/ul# | 97     |
| 34) 2-Methylnaphthalene        | 12.68 | 142 | 97452  | 19.37 | ng/ul  | 100    |

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|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.90 | 142  | 94001    | 20.05 | ng/ul  | 100      |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.04 | 216  | 80204    | 20.27 | ng/ul# | 97       |
| 38) Hexachlorocyclopentadiene  | 13.01 | 237  | 59444    | 18.79 | ng/ul  | 96       |
| 39) 2,4,6-Trichlorophenol      | 13.27 | 196  | 47499    | 19.79 | ng/ul  | 90       |
| 40) 2,4,5-Trichlorophenol      | 13.35 | 196  | 50553    | 18.80 | ng/ul  | 96       |
| 41) 1,1'-Biphenyl              | 13.67 | 154  | 139709   | 19.98 | ng/ul# | 97       |
| 42) 2-Chloronaphthalene        | 13.72 | 162  | 106760   | 19.42 | ng/ul  | 98       |
| 43) 2-Nitroaniline             | 13.91 | 65   | 46507    | 21.42 | ng/ul  | 89       |
| 45) Dimethylphthalate          | 14.28 | 163  | 161059   | 20.08 | ng/ul  | 98       |
| 46) 2,6-Dinitrotoluene         | 14.40 | 165  | 33035    | 19.61 | ng/ul  | 99       |
| 48) Acenaphthylene             | 14.56 | 152  | 180429   | 20.02 | ng/ul  | 97       |
| 49) 3-Nitroaniline             | 14.73 | 138  | 29804    | 21.24 | ng/ul  | 87       |
| 50) Acenaphthene               | 14.90 | 153  | 122174   | 20.27 | ng/ul  | 97       |
| 51) 2,4-Dinitrophenol          | 14.93 | 184  | 23713    | 17.65 | ng/ul  | 91       |
| 53) 4-Nitrophenol              | 15.03 | 109  | 40244    | 18.68 | ng/ul  | 98       |
| 54) Dibenzofuran               | 15.23 | 168  | 181272   | 19.82 | ng/ul  | 94       |
| 55) 2,4-Dinitrotoluene         | 15.18 | 165  | 51529    | 20.77 | ng/ul# | 92       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.45 | 232  | 54761    | 18.23 | ng/ul  | 97       |
| 57) Diethylphthalate           | 15.63 | 149  | 160251   | 20.05 | ng/ul  | 99       |
| 59) Fluorene                   | 15.88 | 166  | 157394   | 19.82 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.86 | 204  | 93182    | 19.10 | ng/ul  | 98       |
| 61) 4-Nitroaniline             | 15.88 | 138  | 33477    | 20.21 | ng/ul  | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 15.94 | 198  | 37857    | 20.02 | ng/ul  | 96       |
| 65) N-Nitrosodiphenylamine     | 16.07 | 169  | 141870   | 20.34 | ng/ul  | 96       |
| 66) 4-Bromophenyl-phenylether  | 16.76 | 248  | 65851    | 19.42 | ng/ul  | 97       |
| 67) Hexachlorobenzene          | 16.88 | 284  | 69505    | 19.72 | ng/ul  | 95       |
| 68) Atrazine                   | 17.01 | 200  | 70903    | 19.95 | ng/ul  | 97       |
| 69) Pentachlorophenol          | 17.22 | 266  | 38838    | 15.49 | ng/ul# | 83       |
| 70) Phenanthrene               | 17.62 | 178  | 276160   | 19.94 | ng/ul  | 96       |
| 72) Anthracene                 | 17.71 | 178  | 280199   | 20.05 | ng/ul  | 96       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.64 | 216  | 81410    | 21.47 | ng/uL  | 97       |
| 74) Pentachlorobenzene         | 15.15 | 250  | 80968    | 20.78 | ng/uL  | 94       |
| 75) Carbazole                  | 17.97 | 167  | 233938   | 20.56 | ng/ul  | 97       |
| 76) Di-n-butylphthalate        | 18.52 | 149  | 275697   | 20.55 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.62 | 202  | 379036   | 20.41 | ng/ul  | 99       |
| 80) Pyrene                     | 19.98 | 202  | 386281   | 20.05 | ng/ul# | 95       |
| 81) Butylbenzylphthalate       | 20.85 | 149  | 124633   | 21.06 | ng/ul  | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.75 | 252  | 144246   | 21.19 | ng/ul# | 96       |
| 83) Benzo(a)anthracene         | 21.84 | 228  | 398799   | 20.00 | ng/ul  | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.73 | 149  | 175929   | 21.51 | ng/ul  | 98       |
| 85) Chrysene                   | 21.92 | 228  | 371481   | 20.27 | ng/ul  | 98       |
| 87) Di-n-octyl phthalate       | 23.00 | 149  | 303673   | 22.08 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 24.17 | 252  | 380874   | 19.10 | ng/ul# | 95       |
| 89) Benzo(k)fluoranthene       | 24.17 | 252  | 380874   | 20.00 | ng/ul  | 96       |
| 91) Benzo(a)pyrene             | 25.08 | 252  | 364789   | 19.74 | ng/ul# | 98       |
| 92) Indeno(1,2,3-cd)pyrene     | 29.12 | 276  | 352650   | 16.91 | ng/ul  | 98       |
| 93) Dibenzo(a,h)anthracene     | 29.20 | 278  | 339464   | 19.62 | ng/ul# | 98       |
| 94) Benzo(g,h,i)perylene       | 30.34 | 276  | 336949   | 19.54 | ng/ul# | 91       |

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| Internal Standards                                                      | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                   |      |      |          |      |       |          |
| (#)= qualifier out of range (m)= manual integration (+)= signals summed |      |      |          |      |       |          |

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