

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061617\  
 Data File : BG027490.D  
 Acq On : 17 Jun 2017 3:19  
 Operator : SJ/MA  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02086

Quant Time: Jun 17 03:51:48 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG061617.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 16 22:56:07 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.52  | 152  | 43643    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.34 | 136  | 216293   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.11 | 164  | 145002   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.86 | 188  | 348002   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 22.23 | 240  | 367550   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.89 | 264  | 342492   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 4.08  | 96  | 8701   | 7.97  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.66  | 99  | 94290  | 19.92 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.83  | 67  | 67994  | 21.08 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.06  | 132 | 64216  | 20.54 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.20  | 113 | 77042  | 20.82 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.68  | 128 | 32705  | 20.82 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.41 | 143 | 36514  | 21.87 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.94 | 165 | 65956  | 20.91 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.46 | 131 | 96424  | 24.15 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.49 | 166 | 238212 | 19.62 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.80 | 160 | 284872 | 20.37 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.27 | 143 | 44429  | 18.71 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 16.09 | 176 | 223356 | 19.61 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.20 | 200 | 40786  | 18.87 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.96 | 188 | 331935 | 20.46 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.22 | 212 | 361968 | 20.17 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.63 | 264 | 310528 | 20.14 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 4.11  | 88  | 9475   | 7.500  | ng/uL# 82 |
| 4) Benzaldehyde                | 7.66  | 77  | 67239  | 24.299 | ng/ul 91  |
| 6) Phenol                      | 7.68  | 94  | 101706 | 20.507 | ng/ul# 84 |
| 8) Bis(2-Chloroethyl)ether     | 7.93  | 93  | 75166  | 20.609 | ng/ul 95  |
| 10) 2-Chlorophenol             | 8.09  | 128 | 65655  | 20.858 | ng/ul 95  |
| 11) 2-Methylphenol             | 8.94  | 108 | 70970  | 19.795 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 9.04  | 45  | 135286 | 22.283 | ng/ul 99  |
| 14) Acetophenone               | 9.34  | 105 | 116407 | 20.355 | ng/ul# 90 |
| 15) N-Nitroso-di-n-propylamine | 9.31  | 70  | 72492  | 22.437 | ng/ul 88  |
| 16) 4-Methylphenol             | 9.26  | 108 | 80853  | 20.536 | ng/ul 98  |
| 17) Hexachloroethane           | 9.61  | 117 | 24931  | 20.659 | ng/ul# 75 |
| 20) Nitrobenzene               | 9.72  | 77  | 94951  | 21.456 | ng/ul 94  |
| 21) Isophorone                 | 10.24 | 82  | 182650 | 20.929 | ng/ul# 95 |
| 23) 2-Nitrophenol              | 10.44 | 139 | 39454  | 21.524 | ng/ul# 79 |
| 24) 2,4-Dimethylphenol         | 10.48 | 107 | 95007  | 21.758 | ng/ul 96  |
| 25) Bis(2-Chloroethoxy)methane | 10.71 | 93  | 111160 | 20.706 | ng/ul 96  |
| 27) 2,4-Dichlorophenol         | 10.97 | 162 | 66823  | 20.963 | ng/ul 95  |
| 28) Naphthalene                | 11.39 | 128 | 227018 | 20.424 | ng/ul 98  |
| 30) 4-Chloroaniline            | 11.49 | 127 | 93010  | 23.610 | ng/ul 94  |
| 31) Hexachlorobutadiene        | 11.66 | 225 | 39013  | 19.896 | ng/ul 89  |
| 32) Caprolactam                | 12.23 | 113 | 27582  | 19.619 | ng/ul 83  |
| 33) 4-Chloro-3-methylphenol    | 12.57 | 107 | 90617  | 21.584 | ng/ul 97  |
| 34) 2-Methylnaphthalene        | 12.96 | 142 | 171697 | 20.830 | ng/ul 96  |

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.31 | 216  | 84023    | 19.575 | ng/ul  | 96       |
| 37) Hexachlorocyclopentadiene  | 13.29 | 237  | 44778    | 18.627 | ng/ul  | 97       |
| 38) 2,4,6-Trichlorophenol      | 13.54 | 196  | 58680    | 20.659 | ng/ul  | 91       |
| 39) 2,4,5-Trichlorophenol      | 13.61 | 196  | 61372    | 20.750 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.94 | 154  | 228381   | 19.909 | ng/ul# | 94       |
| 41) 2-Chloronaphthalene        | 13.99 | 162  | 170550   | 19.714 | ng/ul  | 94       |
| 42) 2-Nitroaniline             | 14.18 | 65   | 72887    | 22.393 | ng/ul  | 99       |
| 44) Dimethylphthalate          | 14.54 | 163  | 235021   | 19.517 | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 14.67 | 165  | 45736    | 20.402 | ng/ul  | 94       |
| 47) Acenaphthylene             | 14.83 | 152  | 282778   | 20.179 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 15.00 | 138  | 48986    | 20.136 | ng/ul# | 92       |
| 49) Acenaphthene               | 15.17 | 153  | 192541   | 19.700 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 15.20 | 184  | 27692    | 17.830 | ng/ul  | 92       |
| 52) 4-Nitrophenol              | 15.29 | 109  | 37684    | 19.950 | ng/ul# | 53       |
| 53) Dibenzofuran               | 15.50 | 168  | 280499   | 19.691 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 15.45 | 165  | 68906    | 20.075 | ng/ul# | 92       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.72 | 232  | 58374    | 20.293 | ng/ul# | 88       |
| 56) Diethylphthalate           | 15.89 | 149  | 248565   | 19.532 | ng/ul  | 98       |
| 58) Fluorene                   | 16.15 | 166  | 236310   | 19.990 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 16.13 | 204  | 115505   | 19.440 | ng/ul  | 90       |
| 60) 4-Nitroaniline             | 16.16 | 138  | 56377    | 18.921 | ng/ul# | 69       |
| 63) 4,6-Dinitro-2-methylphenol | 16.21 | 198  | 44191    | 19.381 | ng/ul# | 95       |
| 64) N-Nitrosodiphenylamine     | 16.34 | 169  | 207631   | 20.741 | ng/ul  | 93       |
| 65) 4-Bromophenyl-phenylether  | 17.03 | 248  | 71622    | 20.319 | ng/ul# | 87       |
| 66) Hexachlorobenzene          | 17.16 | 284  | 76276    | 20.542 | ng/ul  | 98       |
| 67) Atrazine                   | 17.28 | 200  | 77673    | 20.258 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 17.50 | 266  | 45876    | 18.618 | ng/ul  | 90       |
| 69) Phenanthrene               | 17.90 | 178  | 375637   | 20.086 | ng/ul  | 98       |
| 71) Anthracene                 | 17.99 | 178  | 388234   | 20.416 | ng/ul  | 99       |
| 72) Carbazole                  | 18.26 | 167  | 328630   | 20.094 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.78 | 149  | 407928   | 20.170 | ng/ul# | 97       |
| 74) Fluoranthene               | 19.89 | 202  | 424946   | 20.196 | ng/ul# | 84       |
| 77) Pyrene                     | 20.25 | 202  | 439439   | 20.226 | ng/ul# | 80       |
| 78) Butylbenzylphthalate       | 21.13 | 149  | 180969   | 22.103 | ng/ul  | 98       |
| 79) 3,3'-Dichlorobenzidine     | 22.10 | 252  | 140177   | 20.719 | ng/ul# | 91       |
| 80) Benzo(a)anthracene         | 22.21 | 228  | 418617   | 20.452 | ng/ul  | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 22.06 | 149  | 264328   | 22.478 | ng/ul  | 97       |
| 82) Chrysene                   | 22.29 | 228  | 382095   | 20.670 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 23.42 | 149  | 446369   | 20.800 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.71 | 252  | 399650   | 19.593 | ng/ul# | 96       |
| 86) Benzo(k)fluoranthene       | 24.79 | 252  | 401674   | 20.487 | ng/ul# | 94       |
| 88) Benzo(a)pyrene             | 25.71 | 252  | 389761   | 19.901 | ng/ul# | 93       |
| 89) Indeno(1,2,3-cd)pyrene     | 30.09 | 276  | 452369   | 20.233 | ng/ul# | 92       |
| 90) Dibenzo(a,h)anthracene     | 30.16 | 278  | 385765   | 20.096 | ng/ul# | 90       |
| 91) Benzo(g,h,i)perylene       | 31.41 | 276  | 366406   | 20.016 | ng/ul# | 86       |

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

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