

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100716\  
 Data File : BG024200.D  
 Acq On : 6 Oct 2016 15:45  
 Operator : UM/SJ  
 Sample : SSTD08005  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD08005

Quant Time: Oct 06 16:32:33 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG0100716.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 06 16:00:02 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.30  | 152  | 159272   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.14 | 136  | 701471   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.92 | 164  | 541677   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.66 | 188  | 1152294  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.96 | 240  | 1234195  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.43 | 264  | 1220626  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.66  | 96  | 98411   | 28.05 | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.43  | 99  | 1178422 | 78.90 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.46  | 67  | 59202   | 5.79  | ng/ul | -0.15 |
| 9) 2-Chlorophenol-d4           | 7.83  | 132 | 824921  | 77.82 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 9.00  | 113 | 944804  | 80.91 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.49  | 128 | 413449  | 72.96 | ng/ul | 0.01  |
| 22) 2-Nitrophenol-d4           | 10.21 | 143 | 483297  | 74.80 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.74 | 165 | 954575  | 81.72 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.27 | 131 | 991118  | 69.33 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 14.32 | 166 | 2659933 | 59.24 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.62 | 160 | 3129340 | 61.54 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 15.10 | 143 | 550233  | 75.82 | ng/ul | 0.02  |
| 57) Fluorene-d10               | 15.91 | 176 | 2521845 | 64.32 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 16.02 | 200 | 598874  | 81.99 | ng/ul | 0.01  |
| 70) Anthracene-d10             | 17.76 | 188 | 3484324 | 65.59 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 20.03 | 212 | 3754677 | 63.40 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 25.20 | 264 | 4121745 | 73.76 | ng/ul | 0.02  |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.69  | 88  | 111508  | 30.31  | ng/uL# 53 |
| 4) Benzaldehyde                | 7.44  | 77  | 845694  | 87.78  | ng/ul 82  |
| 6) Phenol                      | 7.46  | 94  | 1188634 | 77.68  | ng/ul# 55 |
| 8) Bis(2-Chloroethyl)ether     | 7.72  | 93  | 887000  | 75.98  | ng/ul# 80 |
| 10) 2-Chlorophenol             | 7.86  | 128 | 803812  | 74.34  | ng/ul# 76 |
| 11) 2-Methylphenol             | 8.73  | 108 | 881736  | 75.77  | ng/ul 92  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.83  | 45  | 1696860 | 101.67 | ng/ul# 91 |
| 14) Acetophenone               | 9.14  | 105 | 1383019 | 72.84  | ng/ul# 65 |
| 15) N-Nitroso-di-n-propylamine | 9.13  | 70  | 852333  | 72.49  | ng/ul# 68 |
| 16) 4-Methylphenol             | 9.07  | 108 | 951935  | 75.22  | ng/ul 98  |
| 17) Hexachloroethane           | 9.40  | 117 | 366665  | 76.83  | ng/ul# 79 |
| 20) Nitrobenzene               | 9.53  | 77  | 1239235 | 74.73  | ng/ul# 81 |
| 21) Isophorone                 | 10.06 | 82  | 2222903 | 72.42  | ng/ul# 91 |
| 23) 2-Nitrophenol              | 10.24 | 139 | 502398  | 72.18  | ng/ul# 43 |
| 24) 2,4-Dimethylphenol         | 10.28 | 107 | 1129515 | 75.18  | ng/ul 88  |
| 25) Bis(2-Chloroethoxy)methane | 10.53 | 93  | 1207694 | 69.98  | ng/ul 95  |
| 27) 2,4-Dichlorophenol         | 10.77 | 162 | 903831  | 77.50  | ng/ul 96  |
| 28) Naphthalene                | 11.19 | 128 | 2440643 | 68.03  | ng/ul 97  |
| 30) 4-Chloroaniline            | 11.29 | 127 | 991650  | 70.74  | ng/ul 97  |
| 31) Hexachlorobutadiene        | 11.45 | 225 | 716814  | 85.44  | ng/ul 96  |
| 32) Caprolactam                | 12.09 | 113 | 204326  | 44.97  | ng/ul# 28 |
| 33) 4-Chloro-3-methylphenol    | 12.38 | 107 | 1078781 | 74.85  | ng/ul# 82 |
| 34) 2-Methylnaphthalene        | 12.77 | 142 | 1939894 | 70.98  | ng/ul 96  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.12 | 216  | 1254253  | 69.70  | ng/ul  | 97       |
| 37) Hexachlorocyclopentadiene  | 13.10 | 237  | 948958   | 120.75 | ng/ul  | 97       |
| 38) 2,4,6-Trichlorophenol      | 13.36 | 196  | 830743   | 70.19  | ng/ul  | 93       |
| 39) 2,4,5-Trichlorophenol      | 13.43 | 196  | 892388   | 72.94  | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.76 | 154  | 2525362  | 59.61  | ng/ul  | 95       |
| 41) 2-Chloronaphthalene        | 13.81 | 162  | 2054083  | 63.78  | ng/ul  | 88       |
| 42) 2-Nitroaniline             | 14.01 | 65   | 926944   | 69.38  | ng/ul# | 57       |
| 44) Dimethylphthalate          | 14.37 | 163  | 2622677  | 58.40  | ng/ul# | 94       |
| 45) 2,6-Dinitrotoluene         | 14.49 | 165  | 629495   | 65.67  | ng/ul# | 73       |
| 47) Acenaphthylene             | 14.65 | 152  | 2946599  | 55.62  | ng/ul# | 92       |
| 48) 3-Nitroaniline             | 14.83 | 138  | 551557   | 61.07  | ng/ul# | 54       |
| 49) Acenaphthene               | 14.98 | 153  | 2186717  | 61.63  | ng/ul  | 91       |
| 50) 2,4-Dinitrophenol          | 15.02 | 184  | 429420   | 84.41  | ng/ul# | 77       |
| 52) 4-Nitrophenol              | 15.11 | 109  | 656991   | 90.12  | ng/ul# | 64       |
| 53) Dibenzofuran               | 15.32 | 168  | 3013669  | 58.42  | ng/ul# | 71       |
| 54) 2,4-Dinitrotoluene         | 15.27 | 165  | 894876   | 63.88  | ng/ul# | 56       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.53 | 232  | 904589   | 80.15  | ng/ul  | 98       |
| 56) Diethylphthalate           | 15.72 | 149  | 2705145  | 58.97  | ng/ul# | 88       |
| 58) Fluorene                   | 15.97 | 166  | 2541875  | 60.83  | ng/ul# | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.95 | 204  | 1478823  | 70.04  | ng/ul  | 94       |
| 60) 4-Nitroaniline             | 15.99 | 138  | 644995   | 64.32  | ng/ul# | 36       |
| 63) 4,6-Dinitro-2-methylphenol | 16.03 | 198  | 611873   | 80.24  | ng/ul# | 86       |
| 64) N-Nitrosodiphenylamine     | 16.16 | 169  | 2350439  | 68.90  | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.84 | 248  | 1032001  | 77.76  | ng/ul  | 94       |
| 66) Hexachlorobenzene          | 16.95 | 284  | 1127978  | 78.91  | ng/ul  | 94       |
| 67) Atrazine                   | 17.11 | 200  | 1042099  | 74.58  | ng/ul  | 96       |
| 68) Pentachlorophenol          | 17.29 | 266  | 768648   | 124.06 | ng/ul  | 91       |
| 69) Phenanthrene               | 17.71 | 178  | 3780810  | 61.99  | ng/ul# | 82       |
| 71) Anthracene                 | 17.80 | 178  | 3749467  | 59.78  | ng/ul# | 79       |
| 72) Carbazole                  | 18.06 | 167  | 3391336  | 66.25  | ng/ul# | 86       |
| 73) Di-n-butylphthalate        | 18.60 | 149  | 3654150  | 52.78  | ng/ul# | 82       |
| 74) Fluoranthene               | 19.70 | 202  | 4027793  | 61.99  | ng/ul  | 100      |
| 77) Pyrene                     | 20.06 | 202  | 3918141  | 53.72  | ng/ul  | 99       |
| 78) Butylbenzylphthalate       | 20.92 | 149  | 1978180  | 59.96  | ng/ul# | 76       |
| 79) 3,3'-Dichlorobenzidine     | 21.85 | 252  | 1762959  | 71.87  | ng/ul# | 96       |
| 80) Benzo(a)anthracene         | 21.94 | 228  | 4449836  | 62.37  | ng/ul# | 80       |
| 81) Bis(2-ethylhexyl)phthalate | 21.82 | 149  | 2656009  | 59.85  | ng/ul# | 88       |
| 82) Chrysene                   | 22.02 | 228  | 4179693  | 65.09  | ng/ul# | 75       |
| 84) Di-n-octyl phthalate       | 23.12 | 149  | 4245164  | 60.51  | ng/ul  | 100      |
| 89) Indeno(1,2,3-cd)pyrene     | 29.41 | 276  | 5954526  | 74.36  | ng/ul# | 82       |
| 90) Dibenzo(a,h)anthracene     | 29.50 | 278  | 4907386  | 71.47  | ng/ul# | 86       |
| 91) Benzo(g,h,i)perylene       | 30.68 | 276  | 4935124  | 74.52  | ng/ul# | 80       |

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

