

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG032817\  
 Data File : BG026476.D  
 Acq On : 29 Mar 2017 4:36  
 Operator : SJ/MA  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 29 05:38:10 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG032717MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 29 02:29:03 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.04  | 152  | 166346   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.84 | 136  | 700087   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.65 | 164  | 402652   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.38 | 188  | 947033   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.62 | 240  | 1083458  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.80 | 264  | 1083137  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.48  | 96  | 28333   | 8.15  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.20  | 99  | 256202  | 20.92 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.36  | 67  | 144097  | 20.99 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.58  | 132 | 228484  | 20.80 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.75  | 113 | 206203  | 20.89 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.20  | 128 | 106149  | 21.21 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.92  | 143 | 127981  | 21.82 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.46 | 165 | 227171  | 21.11 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.97 | 131 | 281680  | 26.30 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.05 | 166 | 667081  | 21.39 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.34 | 160 | 827430  | 21.30 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.84 | 143 | 118391  | 19.52 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.63 | 176 | 591275  | 20.87 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.75 | 200 | 123012  | 20.20 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.48 | 188 | 899820  | 20.92 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.76 | 212 | 1012292 | 20.95 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.59 | 264 | 973143  | 20.91 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.50  | 88  | 28315  | 7.62 ng/uL#  | 83     |
| 4) Benzaldehyde                | 7.18  | 77  | 144770 | 21.16 ng/ul  | 93     |
| 6) Phenol                      | 7.23  | 94  | 270667 | 21.16 ng/ul# | 91     |
| 8) Bis(2-Chloroethyl)ether     | 7.46  | 93  | 203888 | 20.88 ng/ul  | 95     |
| 10) 2-Chlorophenol             | 7.61  | 128 | 221527 | 20.84 ng/ul  | 97     |
| 11) 2-Methylphenol             | 8.48  | 108 | 206361 | 20.63 ng/ul  | 98     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.57  | 45  | 194771 | 21.16 ng/ul  | 98     |
| 14) Acetophenone               | 8.86  | 105 | 316119 | 21.33 ng/ul  | 92     |
| 15) N-Nitroso-di-n-propylamine | 8.84  | 70  | 144325 | 20.97 ng/ul  | 94     |
| 16) 4-Methylphenol             | 8.81  | 108 | 228135 | 21.07 ng/ul  | 99     |
| 17) Hexachloroethane           | 9.13  | 117 | 78763  | 20.02 ng/ul  | 85     |
| 20) Nitrobenzene               | 9.24  | 77  | 204305 | 20.55 ng/ul  | 95     |
| 21) Isophorone                 | 9.76  | 82  | 395836 | 20.91 ng/ul# | 94     |
| 23) 2-Nitrophenol              | 9.96  | 139 | 133748 | 21.68 ng/ul# | 85     |
| 24) 2,4-Dimethylphenol         | 10.01 | 107 | 231093 | 20.86 ng/ul  | 92     |
| 25) Bis(2-Chloroethoxy)methane | 10.24 | 93  | 272387 | 20.82 ng/ul  | 99     |
| 27) 2,4-Dichlorophenol         | 10.49 | 162 | 223335 | 21.01 ng/ul  | 94     |
| 28) Naphthalene                | 10.89 | 128 | 702844 | 20.92 ng/ul  | 99     |
| 30) 4-Chloroaniline            | 11.00 | 127 | 255295 | 24.98 ng/ul  | 99     |
| 31) Hexachlorobutadiene        | 11.18 | 225 | 142163 | 21.02 ng/ul  | 99     |
| 32) Caprolactam                | 11.74 | 113 | 72211  | 19.24 ng/ul  | 93     |
| 33) 4-Chloro-3-methylphenol    | 12.11 | 107 | 215298 | 20.92 ng/ul# | 84     |
| 34) 2-Methylnaphthalene        | 12.49 | 142 | 550468 | 21.19 ng/ul  | 97     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216  | 272281   | 21.48 | ng/ul# | 96       |
| 37) Hexachlorocyclopentadiene  | 12.83 | 237  | 125566   | 19.83 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 13.09 | 196  | 175188   | 20.83 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 13.16 | 196  | 179826   | 20.77 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.49 | 154  | 694430   | 21.50 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.53 | 162  | 515869   | 21.16 | ng/ul  | 93       |
| 42) 2-Nitroaniline             | 13.73 | 65   | 119396   | 21.06 | ng/ul  | 95       |
| 44) Dimethylphthalate          | 14.10 | 163  | 632225   | 20.92 | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 14.22 | 165  | 136796   | 20.98 | ng/ul  | 88       |
| 47) Acenaphthylene             | 14.37 | 152  | 829397   | 21.44 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.55 | 138  | 139698   | 23.25 | ng/ul  | 88       |
| 49) Acenaphthene               | 14.71 | 153  | 572712   | 21.34 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.76 | 184  | 63241    | 17.22 | ng/ul# | 80       |
| 52) 4-Nitrophenol              | 14.86 | 109  | 65579    | 20.37 | ng/ul# | 60       |
| 53) Dibenzofuran               | 15.04 | 168  | 807830   | 21.17 | ng/ul  | 90       |
| 54) 2,4-Dinitrotoluene         | 15.00 | 165  | 200200   | 21.23 | ng/ul# | 87       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.27 | 232  | 176097   | 21.15 | ng/ul# | 86       |
| 56) Diethylphthalate           | 15.45 | 149  | 629600   | 20.96 | ng/ul  | 96       |
| 58) Fluorene                   | 15.69 | 166  | 669507   | 21.10 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.68 | 204  | 326307   | 20.93 | ng/ul# | 86       |
| 60) 4-Nitroaniline             | 15.70 | 138  | 151648   | 20.25 | ng/ul# | 76       |
| 63) 4,6-Dinitro-2-methylphenol | 15.77 | 198  | 132500   | 20.73 | ng/ul# | 85       |
| 64) N-Nitrosodiphenylamine     | 15.89 | 169  | 582519   | 21.50 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.57 | 248  | 223017   | 21.41 | ng/ul# | 84       |
| 66) Hexachlorobenzene          | 16.69 | 284  | 233177   | 20.88 | ng/ul# | 88       |
| 67) Atrazine                   | 16.83 | 200  | 221711   | 21.13 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 17.04 | 266  | 134692   | 20.27 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.42 | 178  | 1056702  | 21.29 | ng/ul  | 97       |
| 71) Anthracene                 | 17.51 | 178  | 1093426  | 21.53 | ng/ul  | 96       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.46 | 216  | 266662   | 21.38 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 14.97 | 250  | 301541   | 21.24 | ng/uL  | 99       |
| 74) Carbazole                  | 17.78 | 167  | 980608   | 22.46 | ng/ul  | 96       |
| 75) Di-n-butylphthalate        | 18.33 | 149  | 1101947  | 21.41 | ng/ul  | 98       |
| 76) Fluoranthene               | 19.42 | 202  | 1259095  | 23.74 | ng/ul  | 99       |
| 79) Pyrene                     | 19.79 | 202  | 1280433  | 21.22 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.66 | 149  | 500906   | 20.99 | ng/ul  | 88       |
| 81) 3,3'-Dichlorobenzidine     | 21.52 | 252  | 439304   | 23.36 | ng/ul# | 97       |
| 82) Benzo(a)anthracene         | 21.61 | 228  | 1261283  | 21.52 | ng/ul  | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.51 | 149  | 717481   | 21.04 | ng/ul# | 95       |
| 84) Chrysene                   | 21.67 | 228  | 1138076  | 21.01 | ng/ul  | 97       |
| 86) Di-n-octyl phthalate       | 22.69 | 149  | 1214099  | 21.79 | ng/ul# | 96       |
| 87) Benzo(b)fluoranthene       | 23.79 | 252  | 1297901  | 21.12 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 23.86 | 252  | 1237425  | 21.09 | ng/ul  | 97       |
| 90) Benzo(a)pyrene             | 24.65 | 252  | 1250384  | 21.04 | ng/ul  | 100      |
| 91) Indeno(1,2,3-cd)pyrene     | 28.42 | 276  | 1479308  | 20.64 | ng/ul# | 93       |
| 92) Dibenzo(a,h)anthracene     | 28.47 | 278  | 1238989  | 20.71 | ng/ul  | 98       |
| 93) Benzo(g,h,i)perylene       | 29.55 | 276  | 1228771  | 20.61 | ng/ul  | 97       |

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

