

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM091217\  
 Data File : BM011522.D  
 Acq On : 12 Sep 2017 17:47  
 Operator : SJ/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02015

Quant Time: Sep 13 06:49:10 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 13 06:45:40 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.97  | 152  | 391559   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.78 | 136  | 1832700  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.60 | 164  | 1098657  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.34 | 188  | 2515002  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.51 | 240  | 2966168  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.89 | 264  | 2760528  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.39  | 96  | 71016   | 8.16  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.12  | 99  | 734889  | 19.55 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.30  | 67  | 528575  | 20.86 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.50  | 132 | 557500  | 19.68 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.67  | 113 | 576838  | 19.65 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.14  | 128 | 271879  | 19.54 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.86  | 143 | 275008  | 19.02 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.40 | 165 | 571803  | 19.64 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.92 | 131 | 714348  | 22.23 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.01 | 166 | 1857674 | 20.00 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.30 | 160 | 2279405 | 20.29 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.79 | 143 | 324814  | 18.61 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.59 | 176 | 1633119 | 20.30 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.70 | 200 | 247274  | 16.90 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.44 | 188 | 2480839 | 20.03 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.73 | 212 | 2755870 | 19.84 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.73 | 264 | 2630873 | 20.00 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         | Ovalue |           |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.43  | 88  | 78484   | 8.226  | ng/uL# 65 |
| 4) Benzaldehyde                | 7.12  | 77  | 406117  | 18.903 | ng/ul 95  |
| 6) Phenol                      | 7.15  | 94  | 738233  | 19.780 | ng/ul 97  |
| 8) Bis(2-Chloroethyl)ether     | 7.39  | 93  | 586185  | 19.950 | ng/ul# 83 |
| 10) 2-Chlorophenol             | 7.53  | 128 | 555915  | 20.112 | ng/ul# 91 |
| 11) 2-Methylphenol             | 8.40  | 108 | 551709  | 19.496 | ng/ul 95  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.50  | 45  | 1056023 | 22.174 | ng/ul# 91 |
| 14) Acetophenone               | 8.80  | 105 | 893827  | 19.922 | ng/ul# 94 |
| 15) N-Nitroso-di-n-propylamine | 8.78  | 70  | 505939  | 21.015 | ng/ul# 76 |
| 16) 4-Methylphenol             | 8.73  | 108 | 617869  | 19.955 | ng/ul 95  |
| 17) Hexachloroethane           | 9.06  | 117 | 213358  | 20.191 | ng/ul# 77 |
| 20) Nitrobenzene               | 9.18  | 77  | 671770  | 20.535 | ng/ul 95  |
| 21) Isophorone                 | 9.70  | 82  | 1332542 | 20.231 | ng/ul# 98 |
| 23) 2-Nitrophenol              | 9.89  | 139 | 294915  | 19.407 | ng/ul 91  |
| 24) 2,4-Dimethylphenol         | 9.94  | 107 | 654974  | 20.144 | ng/ul 93  |
| 25) Bis(2-Chloroethoxy)methane | 10.18 | 93  | 854891  | 19.905 | ng/ul 97  |
| 27) 2,4-Dichlorophenol         | 10.42 | 162 | 546467  | 19.468 | ng/ul 97  |
| 28) Naphthalene                | 10.83 | 128 | 1897589 | 19.967 | ng/ul 98  |
| 30) 4-Chloroaniline            | 10.94 | 127 | 676888  | 22.173 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 11.12 | 225 | 313936  | 19.705 | ng/ul 98  |
| 32) Caprolactam                | 11.71 | 113 | 159246  | 18.022 | ng/ul# 47 |
| 33) 4-Chloro-3-methylphenol    | 12.05 | 107 | 610537  | 20.515 | ng/ul 94  |
| 34) 2-Methylnaphthalene        | 12.44 | 142 | 1408846 | 19.962 | ng/ul 99  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.66 | 142  | 1358928  | 20.217 | ng/ul  | 96       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.80 | 216  | 647384   | 19.864 | ng/ul# | 95       |
| 38) Hexachlorocyclopentadiene  | 12.78 | 237  | 331039   | 18.122 | ng/ul# | 98       |
| 39) 2,4,6-Trichlorophenol      | 13.04 | 196  | 439653   | 19.814 | ng/ul  | 98       |
| 40) 2,4,5-Trichlorophenol      | 13.11 | 196  | 454242   | 20.190 | ng/ul  | 98       |
| 41) 1,1'-Biphenyl              | 13.44 | 154  | 1836341  | 20.086 | ng/ul# | 93       |
| 42) 2-Chloronaphthalene        | 13.49 | 162  | 1367553  | 19.880 | ng/ul  | 99       |
| 43) 2-Nitroaniline             | 13.69 | 65   | 451467   | 21.131 | ng/ul  | 83       |
| 45) Dimethylphthalate          | 14.06 | 163  | 1774198  | 19.951 | ng/ul# | 97       |
| 46) 2,6-Dinitrotoluene         | 14.17 | 165  | 318843   | 20.302 | ng/ul  | 91       |
| 48) Acenaphthylene             | 14.33 | 152  | 2286763  | 20.226 | ng/ul  | 100      |
| 49) 3-Nitroaniline             | 14.51 | 138  | 369066   | 19.058 | ng/ul  | 96       |
| 50) Acenaphthene               | 14.67 | 153  | 1546746  | 20.248 | ng/ul  | 99       |
| 51) 2,4-Dinitrophenol          | 14.71 | 184  | 163648   | 16.865 | ng/ul# | 69       |
| 53) 4-Nitrophenol              | 14.80 | 109  | 224298   | 19.994 | ng/ul# | 54       |
| 54) Dibenzofuran               | 15.00 | 168  | 2147353  | 20.096 | ng/ul  | 97       |
| 55) 2,4-Dinitrotoluene         | 14.96 | 165  | 463433   | 20.073 | ng/ul# | 79       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.22 | 232  | 406042   | 19.802 | ng/ul# | 74       |
| 57) Diethylphthalate           | 15.42 | 149  | 1860435  | 20.104 | ng/ul  | 96       |
| 59) Fluorene                   | 15.65 | 166  | 1838190  | 20.526 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.64 | 204  | 861219   | 20.525 | ng/ul# | 89       |
| 61) 4-Nitroaniline             | 15.67 | 138  | 389599   | 18.781 | ng/ul  | 87       |
| 64) 4,6-Dinitro-2-methylphenol | 15.72 | 198  | 262970   | 17.537 | ng/ul  | 94       |
| 65) N-Nitrosodiphenylamine     | 15.85 | 169  | 1528845  | 19.957 | ng/ul  | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.53 | 248  | 502767   | 19.572 | ng/ul# | 93       |
| 67) Hexachlorobenzene          | 16.65 | 284  | 547071   | 19.347 | ng/ul# | 88       |
| 68) Atrazine                   | 16.80 | 200  | 505778   | 19.055 | ng/ul  | 97       |
| 69) Pentachlorophenol          | 16.99 | 266  | 316563   | 17.435 | ng/ul  | 97       |
| 70) Phenanthrene               | 17.39 | 178  | 2828353  | 20.176 | ng/ul  | 100      |
| 72) Anthracene                 | 17.48 | 178  | 2946166  | 20.481 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.41 | 216  | 654956   | 19.543 | ng/uL  | 99       |
| 74) Pentachlorobenzene         | 14.92 | 250  | 667971   | 19.652 | ng/uL  | 99       |
| 75) Carbazole                  | 17.74 | 167  | 2594445  | 21.141 | ng/ul  | 98       |
| 76) Di-n-butylphthalate        | 18.30 | 149  | 3380748  | 20.973 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.39 | 202  | 3280005  | 22.748 | ng/ul# | 87       |
| 80) Pvrene                     | 19.76 | 202  | 3493224  | 20.185 | ng/ul# | 85       |
| 81) Butylbenzylphthalate       | 20.64 | 149  | 1526567  | 19.181 | ng/ul# | 94       |
| 82) 3,3'-Dichlorobenzidine     | 21.42 | 252  | 1065942  | 19.788 | ng/ul# | 97       |
| 83) Benzo(a)anthracene         | 21.49 | 228  | 3391488  | 20.766 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.40 | 149  | 2401411  | 19.648 | ng/ul# | 96       |
| 85) Chrysene                   | 21.54 | 228  | 3000968  | 20.269 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 22.31 | 149  | 4174934  | 21.310 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 23.16 | 252  | 3362868  | 20.250 | ng/ul# | 96       |
| 89) Benzo(k)fluoranthene       | 23.21 | 252  | 3153484  | 19.772 | ng/ul# | 96       |
| 91) Benzo(a)pyrene             | 23.78 | 252  | 3159660  | 20.157 | ng/ul# | 95       |
| 92) Indeno(1,2,3-cd)pyrene     | 26.32 | 276  | 3587633  | 20.806 | ng/ul# | 83       |
| 93) Dibenzo(a,h)anthracene     | 26.33 | 278  | 3010844  | 20.592 | ng/ul# | 93       |
| 94) Benzo(a,h,i)perylene       | 27.07 | 276  | 2866907  | 20.530 | ng/ul# | 89       |

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

