

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062618\  
 Data File : BM015762.D  
 Acq On : 26 Jun 2018 11:59  
 Operator : SJ/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02028

Quant Time: Jun 27 10:48:04 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 26 01:35:35 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.32  | 152  | 95123    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.14 | 136  | 425526   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.93 | 164  | 242933   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.66 | 188  | 542027   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.77 | 240  | 602656   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.17 | 264  | 514711   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.53  | 96  | 15842  | 8.09  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.46  | 99  | 154395 | 17.88 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.63  | 67  | 94409  | 18.10 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.84  | 132 | 132422 | 20.05 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.03  | 113 | 128631 | 17.29 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.50  | 128 | 59734  | 20.88 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.23 | 143 | 65738  | 21.36 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.76 | 165 | 131520 | 20.64 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.28 | 131 | 168491 | 23.73 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.33 | 166 | 386120 | 19.20 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.63 | 160 | 444622 | 20.50 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.13 | 143 | 61215  | 15.77 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.92 | 176 | 326924 | 19.21 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.04 | 200 | 56715  | 17.37 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.76 | 188 | 506611 | 20.50 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 20.01 | 212 | 560189 | 21.61 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.02 | 264 | 532133 | 20.62 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.57  | 88  | 16516  | 8.200  | ng/uL 89  |
| 4) Benzaldehyde                | 7.45  | 77  | 101254 | 22.370 | ng/ul 88  |
| 6) Phenol                      | 7.49  | 94  | 157461 | 17.553 | ng/ul# 77 |
| 8) Bis(2-Chloroethyl)ether     | 7.72  | 93  | 117733 | 17.701 | ng/ul# 85 |
| 10) 2-Chlorophenol             | 7.87  | 128 | 135513 | 19.916 | ng/ul# 91 |
| 11) 2-Methylphenol             | 8.76  | 108 | 122632 | 17.855 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.84  | 45  | 185690 | 16.685 | ng/ul# 87 |
| 14) Acetophenone               | 9.16  | 105 | 203604 | 17.492 | ng/ul# 85 |
| 15) N-Nitroso-di-n-propylamine | 9.13  | 70  | 105224 | 17.085 | ng/ul# 71 |
| 16) 4-Methylphenol             | 9.09  | 108 | 130990 | 17.108 | ng/ul 98  |
| 17) Hexachloroethane           | 9.40  | 117 | 52126  | 19.435 | ng/ul 97  |
| 20) Nitrobenzene               | 9.55  | 77  | 166507 | 21.545 | ng/ul 90  |
| 21) Isophorone                 | 10.06 | 82  | 274493 | 18.577 | ng/ul 97  |
| 23) 2-Nitrophenol              | 10.26 | 139 | 75802  | 21.362 | ng/ul# 78 |
| 24) 2,4-Dimethylphenol         | 10.30 | 107 | 162033 | 20.639 | ng/ul 94  |
| 25) Bis(2-Chloroethoxy)methane | 10.54 | 93  | 163901 | 18.554 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.79 | 162 | 132482 | 20.820 | ng/ul 96  |
| 28) Naphthalene                | 11.19 | 128 | 426565 | 20.028 | ng/ul 99  |
| 30) 4-Chloroaniline            | 11.31 | 127 | 172063 | 23.361 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 11.45 | 225 | 88684  | 22.721 | ng/ul 98  |
| 32) Caprolactam                | 12.09 | 113 | 36257  | 14.916 | ng/ul# 65 |
| 33) 4-Chloro-3-methylphenol    | 12.41 | 107 | 142457 | 18.804 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.78 | 142 | 309449 | 18.945 | ng/ul 99  |

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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 26 01:35:35 2018  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.14 | 216  | 155197   | 22.134 | ng/ul# | 96       |
| 37) Hexachlorocyclopentadiene  | 13.10 | 237  | 37589    | 13.251 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 13.38 | 196  | 99281    | 21.608 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 13.46 | 196  | 108475   | 21.412 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.77 | 154  | 397591   | 20.969 | ng/ul  | 100      |
| 41) 2-Chloronaphthalene        | 13.82 | 162  | 310047   | 21.139 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 14.03 | 65   | 96629    | 21.260 | ng/ul# | 75       |
| 44) Dimethylphthalate          | 14.38 | 163  | 393435   | 19.157 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 14.52 | 165  | 74196    | 19.480 | ng/ul# | 74       |
| 47) Acenaphthylene             | 14.66 | 152  | 461792   | 20.393 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.85 | 138  | 73782    | 19.053 | ng/ul  | 90       |
| 49) Acenaphthene               | 15.00 | 153  | 335444   | 20.072 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 15.07 | 184  | 45491    | 19.966 | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 15.14 | 109  | 67616    | 19.633 | ng/ul# | 80       |
| 53) Dibenzofuran               | 15.33 | 168  | 465569   | 19.801 | ng/ul  | 94       |
| 54) 2,4-Dinitrotoluene         | 15.30 | 165  | 113665   | 19.218 | ng/ul# | 64       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.55 | 232  | 87504    | 19.099 | ng/ul# | 92       |
| 56) Diethylphthalate           | 15.73 | 149  | 413075   | 19.136 | ng/ul  | 99       |
| 58) Fluorene                   | 15.97 | 166  | 377529   | 19.200 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.96 | 204  | 190018   | 19.413 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 16.00 | 138  | 62724    | 13.348 | ng/ul# | 81       |
| 63) 4,6-Dinitro-2-methylphenol | 16.06 | 198  | 60198    | 17.254 | ng/ul# | 82       |
| 64) N-Nitrosodiphenylamine     | 16.17 | 169  | 325400   | 20.838 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.84 | 248  | 114950   | 20.866 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.97 | 284  | 128285   | 19.923 | ng/ul  | 98       |
| 67) Atrazine                   | 17.10 | 200  | 121322   | 21.059 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 17.31 | 266  | 62878    | 16.974 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.70 | 178  | 603888   | 20.301 | ng/ul  | 99       |
| 71) Anthracene                 | 17.79 | 178  | 615550   | 20.316 | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.75 | 216  | 155179   | 23.738 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 15.24 | 250  | 150844   | 21.957 | ng/uL  | 98       |
| 74) Carbazole                  | 18.06 | 167  | 542280   | 19.362 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.58 | 149  | 697790   | 20.703 | ng/ul# | 98       |
| 76) Fluoranthene               | 19.68 | 202  | 709804   | 19.460 | ng/ul  | 97       |
| 79) Pyrene                     | 20.04 | 202  | 726153   | 21.479 | ng/ul  | 97       |
| 80) Butylbenzylphthalate       | 20.89 | 149  | 347214   | 22.995 | ng/ul  | 89       |
| 81) 3,3'-Dichlorobenzidine     | 21.67 | 252  | 234347   | 19.050 | ng/ul  | 98       |
| 82) Benzo(a)anthracene         | 21.75 | 228  | 746932   | 20.441 | ng/ul  | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149  | 507793   | 22.876 | ng/ul  | 96       |
| 84) Chrysene                   | 21.80 | 228  | 683888   | 19.946 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.56 | 149  | 873204   | 26.957 | ng/ul# | 86       |
| 87) Benzo(b)fluoranthene       | 23.44 | 252  | 655195   | 21.417 | ng/ul  | 98       |
| 88) Benzo(k)fluoranthene       | 23.49 | 252  | 647613   | 22.434 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 24.07 | 252  | 601551   | 20.580 | ng/ul  | 98       |
| 91) Indeno(1,2,3-cd)pyrene     | 26.65 | 276  | 639514   | 17.465 | ng/ul# | 93       |
| 92) Dibenzo(a,h)anthracene     | 26.66 | 278  | 540176   | 17.483 | ng/ul  | 96       |
| 93) Benzo(g,h,i)perylene       | 27.41 | 276  | 510963   | 16.929 | ng/ul# | 95       |

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

