

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM011818\  
 Data File : BM013657.D  
 Acq On : 19 Jan 2018 00:47  
 Operator : SJ/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02026

Manual Integrations  
 APPROVED

Sohil  
 1/19/2018 9:50:16 AM

Quant Time: Jan 19 04:35:59 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 19 02:57:39 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 136249   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.39 | 136  | 541100   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.26 | 164  | 310420   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.02 | 188  | 705543   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.21 | 240  | 746534   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.41 | 264  | 730584   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.16  | 96  | 21311  | 6.18  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.79  | 99  | 209150 | 20.00 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67  | 119353 | 18.83 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 175849 | 20.63 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 165384 | 20.57 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.77  | 128 | 84469  | 20.12 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 88229  | 19.89 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.02 | 165 | 170922 | 19.94 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.54 | 131 | 180880 | 24.32 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.68 | 166 | 492703 | 19.26 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.96 | 160 | 635299 | 19.47 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.49 | 143 | 81228  | 19.54 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.26 | 176 | 435434 | 19.35 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 75908  | 17.87 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.12 | 188 | 675821 | 19.67 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.42 | 212 | 741331 | 21.33 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.28 | 264 | 685459 | 20.41 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        | Qvalue |        |
|--------------------------------|-------|-----|--------|--------|--------|
| 2) 1,4-Dioxane                 | 3.19  | 88  | 25029m | 6.628  | ng/uL  |
| 4) Benzaldehyde                | 6.77  | 77  | 145098 | 20.045 | ng/ul  |
| 6) Phenol                      | 6.82  | 94  | 207089 | 19.740 | ng/ul# |
| 8) Bis(2-Chloroethyl)ether     | 7.05  | 93  | 155983 | 19.001 | ng/ul  |
| 10) 2-Chlorophenol             | 7.18  | 128 | 169067 | 19.903 | ng/ul  |
| 11) 2-Methylphenol             | 8.06  | 108 | 157620 | 20.382 | ng/ul  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.15  | 45  | 159210 | 19.060 | ng/ul# |
| 14) Acetophenone               | 8.44  | 105 | 260844 | 19.603 | ng/ul# |
| 15) N-Nitroso-di-n-propylamine | 8.42  | 70  | 128278 | 19.760 | ng/ul# |
| 16) 4-Methylphenol             | 8.39  | 108 | 166702 | 20.160 | ng/ul  |
| 17) Hexachloroethane           | 8.67  | 117 | 74378  | 17.988 | ng/ul# |
| 20) Nitrobenzene               | 8.81  | 77  | 201905 | 18.615 | ng/ul  |
| 21) Isophorone                 | 9.33  | 82  | 331823 | 18.935 | ng/ul  |
| 23) 2-Nitrophenol              | 9.52  | 139 | 94084  | 20.348 | ng/ul# |
| 24) 2,4-Dimethylphenol         | 9.58  | 107 | 192637 | 19.762 | ng/ul# |
| 25) Bis(2-Chloroethoxy)methane | 9.82  | 93  | 202744 | 18.977 | ng/ul  |
| 27) 2,4-Dichlorophenol         | 10.05 | 162 | 167978 | 20.337 | ng/ul  |
| 28) Naphthalene                | 10.44 | 128 | 537012 | 19.949 | ng/ul  |
| 30) 4-Chloroaniline            | 10.56 | 127 | 180144 | 24.432 | ng/ul  |
| 31) Hexachlorobutadiene        | 10.72 | 225 | 121824 | 17.968 | ng/ul  |
| 32) Caprolactam                | 11.34 | 113 | 49562m | 21.569 | ng/ul  |
| 33) 4-Chloro-3-methylphenol    | 11.70 | 107 | 169865 | 20.287 | ng/ul  |
| 34) 2-Methylnaphthalene        | 12.06 | 142 | 399997 | 19.930 | ng/ul  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.44 | 216  | 223938   | 19.469 | ng/ul  | 96       |
| 37) Hexachlorocyclopentadiene  | 12.41 | 237  | 69380    | 14.529 | ng/ul  | 95       |
| 38) 2,4,6-Trichlorophenol      | 12.69 | 196  | 136640   | 20.523 | ng/ul  | 95       |
| 39) 2,4,5-Trichlorophenol      | 12.76 | 196  | 144654   | 20.880 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.09 | 154  | 512986   | 19.853 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.13 | 162  | 411486   | 20.372 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 13.35 | 65   | 107687   | 19.327 | ng/ul  | 89       |
| 44) Dimethylphthalate          | 13.73 | 163  | 489851   | 19.473 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.86 | 165  | 97234    | 19.947 | ng/ul# | 94       |
| 47) Acenaphthylene             | 13.99 | 152  | 596202   | 19.973 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.19 | 138  | 86845    | 22.653 | ng/ul# | 88       |
| 49) Acenaphthene               | 14.33 | 153  | 419358   | 20.285 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.40 | 184  | 42978    | 15.380 | ng/ul  | 93       |
| 52) 4-Nitrophenol              | 14.50 | 109  | 77024    | 18.236 | ng/ul# | 81       |
| 53) Dibenzofuran               | 14.67 | 168  | 604089   | 19.423 | ng/ul  | 96       |
| 54) 2,4-Dinitrotoluene         | 14.65 | 165  | 137785   | 19.390 | ng/ul  | 98       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232  | 126931   | 19.479 | ng/ul  | 93       |
| 56) Diethylphthalate           | 15.10 | 149  | 463214   | 18.298 | ng/ul  | 96       |
| 58) Fluorene                   | 15.32 | 166  | 497932   | 19.545 | ng/ul  | 96       |
| 59) 4-Chlorophenyl-phenylether | 15.32 | 204  | 259820   | 18.874 | ng/ul  | 98       |
| 60) 4-Nitroaniline             | 15.36 | 138  | 97568    | 21.751 | ng/ul  | 97       |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 198  | 78473    | 17.506 | ng/ul  | 94       |
| 64) N-Nitrosodiphenylamine     | 15.53 | 169  | 412731   | 19.890 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.22 | 248  | 156035   | 18.725 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.32 | 284  | 171606   | 19.131 | ng/ul# | 91       |
| 67) Atrazine                   | 16.49 | 200  | 162077   | 19.570 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 16.67 | 266  | 86174    | 18.079 | ng/ul  | 93       |
| 69) Phenanthrene               | 17.06 | 178  | 772748   | 19.704 | ng/ul  | 98       |
| 71) Anthracene                 | 17.15 | 178  | 796969   | 19.702 | ng/ul  | 98       |
| 72) Carbazole                  | 17.43 | 167  | 658215   | 19.712 | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 17.99 | 149  | 725932   | 18.485 | ng/ul# | 97       |
| 74) Fluoranthene               | 19.09 | 202  | 904590   | 19.323 | ng/ul# | 95       |
| 77) Pyrene                     | 19.44 | 202  | 948738   | 20.905 | ng/ul# | 92       |
| 78) Butylbenzylphthalate       | 20.36 | 149  | 330234   | 20.657 | ng/ul  | 86       |
| 79) 3,3'-Dichlorobenzidine     | 21.14 | 252  | 273866   | 22.176 | ng/ul# | 94       |
| 80) Benzo(a)anthracene         | 21.20 | 228  | 908905   | 20.149 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 450870   | 18.797 | ng/ul# | 97       |
| 82) Chrysene                   | 21.25 | 228  | 822908   | 19.885 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.01 | 149  | 748004   | 16.989 | ng/ul  | 99       |
| 85) Benzo(b)fluoranthene       | 22.76 | 252  | 918226   | 20.466 | ng/ul# | 97       |
| 86) Benzo(k)fluoranthene       | 22.80 | 252  | 844244   | 19.467 | ng/ul# | 97       |
| 88) Benzo(a)pyrene             | 23.32 | 252  | 860029   | 20.291 | ng/ul# | 96       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.62 | 276  | 976933   | 19.526 | ng/ul# | 94       |
| 90) Dibenzo(a,h)anthracene     | 25.63 | 278  | 829411   | 19.631 | ng/ul# | 98       |
| 91) Benzo(g,h,i)perylene       | 26.29 | 276  | 802532   | 19.489 | ng/ul# | 96       |

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

