

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM022618\  
 Data File : BM014359.D  
 Acq On : 26 Feb 2018 16:47  
 Operator : SJ/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02004

Manual Integrations  
 APPROVED

Sohil  
 2/27/2018 4:57:53 PM

Quant Time: Feb 27 03:09:50 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM021418.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Feb 27 01:33:52 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 133354   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.29 | 136  | 624540   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.18 | 164  | 378747   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.94 | 188  | 875355   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.15 | 240  | 727062   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.32 | 264  | 545853   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.10  | 96  | 21155  | 6.79  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.72  | 99  | 222197 | 19.72 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.87  | 67  | 135491 | 19.86 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.06  | 132 | 171137 | 19.80 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.25  | 113 | 188676 | 19.13 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.68  | 128 | 90602  | 19.63 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.39  | 143 | 100357 | 21.01 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.93  | 165 | 192436 | 19.45 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.45 | 131 | 214037 | 21.96 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.60 | 166 | 616150 | 19.70 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.87 | 160 | 789242 | 20.46 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.43 | 143 | 78375  | 18.15 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.18 | 176 | 526168 | 18.78 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.33 | 200 | 98233  | 18.71 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.04 | 188 | 827128 | 19.58 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.34 | 212 | 839707 | 22.39 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.18 | 264 | 509101 | 19.16 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.14  | 88  | 23814   | 6.880  | ng/uL# 60 |
| 4) Benzaldehyde                | 6.69  | 77  | 103141m | 22.446 | ng/ul     |
| 6) Phenol                      | 6.75  | 94  | 221257  | 18.708 | ng/ul 95  |
| 8) Bis(2-Chloroethyl)ether     | 6.97  | 93  | 170542  | 19.874 | ng/ul 94  |
| 10) 2-Chlorophenol             | 7.09  | 128 | 176195  | 19.968 | ng/ul 96  |
| 11) 2-Methylphenol             | 7.97  | 108 | 173110  | 19.136 | ng/ul 94  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.05  | 45  | 182595  | 21.085 | ng/ul# 72 |
| 14) Acetophenone               | 8.35  | 105 | 304134  | 17.875 | ng/ul 95  |
| 15) N-Nitroso-di-n-propylamine | 8.33  | 70  | 163142  | 19.134 | ng/ul# 72 |
| 16) 4-Methylphenol             | 8.30  | 108 | 191456  | 19.422 | ng/ul 100 |
| 17) Hexachloroethane           | 8.57  | 117 | 83335   | 18.129 | ng/ul# 79 |
| 20) Nitrobenzene               | 8.72  | 77  | 254566  | 18.650 | ng/ul 97  |
| 21) Isophorone                 | 9.25  | 82  | 449122  | 19.236 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.43  | 139 | 105511  | 20.393 | ng/ul 95  |
| 24) 2,4-Dimethylphenol         | 9.49  | 107 | 237183  | 18.699 | ng/ul 88  |
| 25) Bis(2-Chloroethoxy)methane | 9.73  | 93  | 242977  | 19.757 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 9.96  | 162 | 182501  | 19.440 | ng/ul# 91 |
| 28) Naphthalene                | 10.34 | 128 | 622925  | 19.420 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.47 | 127 | 220964  | 22.227 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 10.62 | 225 | 130895  | 17.575 | ng/ul 96  |
| 32) Caprolactam                | 11.26 | 113 | 57348m  | 19.073 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.62 | 107 | 212324  | 18.718 | ng/ul 96  |
| 34) 2-Methylnaphthalene        | 11.97 | 142 | 464747  | 19.036 | ng/ul 92  |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM022618\  
 Data File : BM014359.D  
 Acq On : 26 Feb 2018 16:47  
 Operator : SJ/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02004

Manual Integrations  
 APPROVED

Sohil  
 2/27/2018 4:57:53 PM

Quant Time: Feb 27 03:09:50 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM021418.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Feb 27 01:33:52 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.35 | 216  | 245687   | 20.208 | ng/ul# | 92       |
| 37) Hexachlorocyclopentadiene  | 12.31 | 237  | 98334    | 14.862 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.60 | 196  | 156207   | 20.594 | ng/ul  | 89       |
| 39) 2,4,5-Trichlorophenol      | 12.68 | 196  | 159621   | 20.592 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.00 | 154  | 616487   | 21.130 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.04 | 162  | 492167   | 21.117 | ng/ul  | 94       |
| 42) 2-Nitroaniline             | 13.27 | 65   | 159334   | 20.205 | ng/ul  | 97       |
| 44) Dimethylphthalate          | 13.65 | 163  | 610154   | 19.783 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 13.78 | 165  | 121173   | 20.679 | ng/ul# | 82       |
| 47) Acenaphthylene             | 13.90 | 152  | 751055   | 20.603 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.12 | 138  | 101016   | 20.339 | ng/ul# | 99       |
| 49) Acenaphthene               | 14.24 | 153  | 517629   | 20.165 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.34 | 184  | 52002    | 16.501 | ng/ul# | 74       |
| 52) 4-Nitrophenol              | 14.44 | 109  | 86284    | 15.240 | ng/ul# | 76       |
| 53) Dibenzofuran               | 14.59 | 168  | 745862   | 19.378 | ng/ul  | 93       |
| 54) 2,4-Dinitrotoluene         | 14.59 | 165  | 182946   | 19.486 | ng/ul# | 62       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.82 | 232  | 147768   | 18.851 | ng/ul# | 78       |
| 56) Diethylphthalate           | 15.03 | 149  | 636600   | 18.523 | ng/ul  | 94       |
| 58) Fluorene                   | 15.24 | 166  | 627390   | 18.881 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.24 | 204  | 320265   | 18.427 | ng/ul  | 91       |
| 60) 4-Nitroaniline             | 15.29 | 138  | 91207    | 16.376 | ng/ul# | 64       |
| 63) 4,6-Dinitro-2-methylphenol | 15.35 | 198  | 100310   | 18.769 | ng/ul  | 91       |
| 64) N-Nitrosodiphenylamine     | 15.46 | 169  | 513380   | 20.409 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.13 | 248  | 192072   | 19.664 | ng/ul# | 88       |
| 66) Hexachlorobenzene          | 16.24 | 284  | 199076   | 19.381 | ng/ul# | 81       |
| 67) Atrazine                   | 16.43 | 200  | 196586   | 19.788 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 16.60 | 266  | 99638    | 18.511 | ng/ul  | 93       |
| 69) Phenanthrene               | 16.98 | 178  | 962663   | 19.087 | ng/ul  | 98       |
| 71) Anthracene                 | 17.07 | 178  | 978938   | 19.300 | ng/ul  | 99       |
| 72) Carbazole                  | 17.36 | 167  | 783442   | 18.369 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 17.92 | 149  | 1077504  | 19.583 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.01 | 202  | 1088898  | 18.071 | ng/ul# | 94       |
| 77) Pyrene                     | 19.37 | 202  | 1066889  | 22.080 | ng/ul# | 93       |
| 78) Butylbenzylphthalate       | 20.29 | 149  | 461181   | 23.084 | ng/ul  | 94       |
| 79) 3,3'-Dichlorobenzidine     | 21.07 | 252  | 239792   | 18.759 | ng/ul# | 91       |
| 80) Benzo(a)anthracene         | 21.13 | 228  | 897517   | 19.780 | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 21.07 | 149  | 642325   | 22.449 | ng/ul# | 98       |
| 82) Chrysene                   | 21.19 | 228  | 819619   | 19.363 | ng/ul  | 100      |
| 84) Di-n-octyl phthalate       | 21.93 | 149  | 954913   | 20.387 | ng/ul# | 95       |
| 85) Benzo(b)fluoranthene       | 22.67 | 252  | 678014   | 18.551 | ng/ul# | 99       |
| 86) Benzo(k)fluoranthene       | 22.72 | 252  | 670704   | 19.301 | ng/ul# | 97       |
| 88) Benzo(a)pyrene             | 23.23 | 252  | 615800   | 18.855 | ng/ul# | 95       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.47 | 276  | 649495   | 20.493 | ng/ul# | 94       |
| 90) Dibenzo(a,h)anthracene     | 25.48 | 278  | 543832   | 20.651 | ng/ul# | 97       |
| 91) Benzo(g,h,i)perylene       | 26.13 | 276  | 535087   | 20.841 | ng/ul# | 96       |

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

