

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM120517\  
 Data File : BM013191.D  
 Acq On : 05 Dec 2017 16:32  
 Operator : SJ/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02015

Manual Integrations  
 APPROVED

Sohil  
 12/6/2017 5:15:00 PM

Quant Time: Dec 05 17:17:06 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 05 16:20:21 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 236879   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.49 | 136  | 1065229  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.35 | 164  | 667787   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.09 | 188  | 1555634  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.28 | 240  | 1412149  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.52 | 264  | 1106007  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 33686   | 7.04  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.89  | 99  | 410765  | 20.04 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.05  | 67  | 235199  | 20.12 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 326518  | 20.39 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 354760  | 20.26 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 172933  | 20.47 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.57  | 143 | 183469  | 20.29 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 364074  | 19.54 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 417147  | 24.36 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.76 | 166 | 1145273 | 19.27 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.04 | 160 | 1426224 | 19.45 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.56 | 143 | 191366  | 18.53 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.34 | 176 | 975694  | 19.09 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 168867  | 17.26 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.19 | 188 | 1515863 | 19.46 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.49 | 212 | 1615470 | 22.96 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.37 | 264 | 1099562 | 19.52 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue |    |
|--------------------------------|-------|-----|---------|--------|--------|----|
| 2) 1,4-Dioxane                 | 3.28  | 88  | 37112   | 6.912  | ng/uL# | 62 |
| 4) Benzaldehyde                | 6.86  | 77  | 213534  | 21.056 | ng/ul  | 90 |
| 6) Phenol                      | 6.92  | 94  | 404089  | 19.945 | ng/ul# | 80 |
| 8) Bis(2-Chloroethyl)ether     | 7.14  | 93  | 308163  | 19.893 | ng/ul  | 99 |
| 10) 2-Chlorophenol             | 7.27  | 128 | 326051  | 20.763 | ng/ul  | 96 |
| 11) 2-Methylphenol             | 8.15  | 108 | 311260  | 19.864 | ng/ul  | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.23  | 45  | 341800  | 21.014 | ng/ul# | 84 |
| 14) Acetophenone               | 8.53  | 105 | 535620  | 20.116 | ng/ul  | 87 |
| 15) N-Nitroso-di-n-propylamine | 8.52  | 70  | 273702  | 20.407 | ng/ul# | 67 |
| 16) 4-Methylphenol             | 8.48  | 108 | 339964  | 20.288 | ng/ul  | 96 |
| 17) Hexachloroethane           | 8.77  | 117 | 137438  | 20.102 | ng/ul# | 78 |
| 20) Nitrobenzene               | 8.90  | 77  | 407212  | 19.136 | ng/ul# | 89 |
| 21) Isophorone                 | 9.42  | 82  | 768812  | 20.532 | ng/ul  | 94 |
| 23) 2-Nitrophenol              | 9.60  | 139 | 188279  | 20.087 | ng/ul# | 82 |
| 24) 2,4-Dimethylphenol         | 9.67  | 107 | 403221  | 19.724 | ng/ul# | 87 |
| 25) Bis(2-Chloroethoxy)methane | 9.91  | 93  | 449438  | 20.509 | ng/ul  | 97 |
| 27) 2,4-Dichlorophenol         | 10.14 | 162 | 348652  | 20.259 | ng/ul# | 94 |
| 28) Naphthalene                | 10.54 | 128 | 1082301 | 19.748 | ng/ul  | 99 |
| 30) 4-Chloroaniline            | 10.65 | 127 | 400030  | 24.130 | ng/ul  | 93 |
| 31) Hexachlorobutadiene        | 10.82 | 225 | 233368  | 18.721 | ng/ul  | 94 |
| 32) Caprolactam                | 11.43 | 113 | 116672m | 21.213 | ng/ul  |    |
| 33) 4-Chloro-3-methylphenol    | 11.79 | 107 | 373113  | 19.764 | ng/ul  | 94 |
| 34) 2-Methylnaphthalene        | 12.15 | 142 | 811825  | 19.705 | ng/ul  | 96 |

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 Data File : BM013191.D  
 Acq On : 05 Dec 2017 16:32  
 Operator : SJ/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02015

Manual Integrations  
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Sohil  
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Quant Time: Dec 05 17:17:06 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 05 16:20:21 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.53 | 216  | 455488   | 18.903 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.50 | 237  | 262309   | 16.539 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.77 | 196  | 296459   | 19.735 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.85 | 196  | 310392   | 19.452 | ng/ul  | 95       |
| 40) 1,1'-Biphenyl              | 13.17 | 154  | 1093238  | 19.371 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.22 | 162  | 861150   | 19.449 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.43 | 65   | 258198   | 19.903 | ng/ul  | 91       |
| 44) Dimethylphthalate          | 13.81 | 163  | 1097381  | 19.308 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.93 | 165  | 229712   | 19.817 | ng/ul  | 96       |
| 47) Acenaphthylene             | 14.07 | 152  | 1320270  | 19.455 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.26 | 138  | 221435   | 21.371 | ng/ul  | 86       |
| 49) Acenaphthene               | 14.41 | 153  | 886092   | 19.168 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.47 | 184  | 104038   | 16.219 | ng/ul  | 94       |
| 52) 4-Nitrophenol              | 14.57 | 109  | 174029   | 17.182 | ng/ul  | 80       |
| 53) Dibenzofuran               | 14.74 | 168  | 1293624  | 18.955 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.72 | 165  | 328618   | 19.488 | ng/ul# | 83       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.97 | 232  | 288628   | 19.727 | ng/ul# | 90       |
| 56) Diethylphthalate           | 15.18 | 149  | 1108543  | 19.447 | ng/ul  | 94       |
| 58) Fluorene                   | 15.40 | 166  | 1072350  | 18.994 | ng/ul  | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.40 | 204  | 571482   | 18.650 | ng/ul  | 98       |
| 60) 4-Nitroaniline             | 15.43 | 138  | 240729   | 19.692 | ng/ul  | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.48 | 198  | 177424   | 18.143 | ng/ul  | 95       |
| 64) N-Nitrosodiphenylamine     | 15.61 | 169  | 919541   | 20.066 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.29 | 248  | 360966   | 19.739 | ng/ul  | 94       |
| 66) Hexachlorobenzene          | 16.40 | 284  | 386313   | 19.156 | ng/ul# | 93       |
| 67) Atrazine                   | 16.57 | 200  | 357554   | 21.139 | ng/ul  | 93       |
| 68) Pentachlorophenol          | 16.74 | 266  | 218523   | 18.735 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.13 | 178  | 1703631  | 19.277 | ng/ul  | 99       |
| 71) Anthracene                 | 17.23 | 178  | 1739026  | 19.250 | ng/ul  | 99       |
| 72) Carbazole                  | 17.50 | 167  | 1474515  | 18.976 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.07 | 149  | 1859067  | 20.495 | ng/ul  | 98       |
| 74) Fluoranthene               | 19.15 | 202  | 1982737  | 18.307 | ng/ul# | 93       |
| 77) Pyrene                     | 19.52 | 202  | 1950577  | 22.736 | ng/ul# | 91       |
| 78) Butylbenzylphthalate       | 20.43 | 149  | 809543   | 24.151 | ng/ul  | 94       |
| 79) 3,3'-Dichlorobenzidine     | 21.20 | 252  | 559829   | 18.859 | ng/ul# | 95       |
| 80) Benzo(a)anthracene         | 21.27 | 228  | 1767971  | 19.732 | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 1165761  | 23.073 | ng/ul# | 98       |
| 82) Chrysene                   | 21.32 | 228  | 1598391  | 19.229 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.09 | 149  | 1801298  | 22.903 | ng/ul  | 99       |
| 85) Benzo(b)fluoranthene       | 22.84 | 252  | 1515059  | 20.321 | ng/ul# | 97       |
| 86) Benzo(k)fluoranthene       | 22.89 | 252  | 1357184  | 19.343 | ng/ul# | 97       |
| 88) Benzo(a)pyrene             | 23.41 | 252  | 1298555  | 19.389 | ng/ul# | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.76 | 276  | 1321620  | 19.888 | ng/ul# | 94       |
| 90) Dibenzo(a,h)anthracene     | 25.77 | 278  | 1124785  | 19.878 | ng/ul# | 96       |
| 91) Benzo(g,h,i)perylene       | 26.44 | 276  | 1065927  | 20.335 | ng/ul# | 96       |

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

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Acq On : 05 Dec 2017 16:32  
Operator : SJ/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
Client Sampled :  
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Manual Integrations  
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