

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM041019\  
 Data File : BM019861.D  
 Acq On : 10 Apr 2019 13:31  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02086

Manual Integrations  
 APPROVED

Sohil  
 4/12/2019 5:17:49 PM

Quant Time: Apr 11 03:40:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 11 03:09:11 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 105706   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.33 | 136  | 442864   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.22 | 164  | 247054   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.97 | 188  | 533914   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.19 | 240  | 585491   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.40 | 264  | 602123   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.11  | 96  | 20251  | 7.50  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.75  | 99  | 174463 | 18.53 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.90  | 67  | 116716 | 18.52 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.09  | 132 | 143500 | 20.11 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.27  | 113 | 133663 | 18.92 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.72  | 128 | 65011  | 20.58 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.43  | 143 | 74062  | 21.06 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.97  | 165 | 138144 | 20.82 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.50 | 131 | 166695 | 20.92 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.63 | 166 | 383469 | 19.24 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.90 | 160 | 496226 | 19.91 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.48 | 143 | 69958m | 22.39 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.22 | 176 | 334722 | 19.49 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.38 | 200 | 52308  | 14.82 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.07 | 188 | 505849 | 19.74 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.39 | 212 | 529325 | 19.57 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.26 | 264 | 611959 | 19.17 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.15  | 88  | 21354   | 6.951  | ng/uL 92  |
| 4) Benzaldehyde                | 6.72  | 77  | 137159  | 20.342 | ng/ul 99  |
| 6) Phenol                      | 6.77  | 94  | 186120  | 18.948 | ng/ul 97  |
| 8) Bis(2-Chloroethyl)ether     | 7.00  | 93  | 137499  | 18.297 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.12  | 128 | 145683  | 20.087 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.00  | 108 | 131035  | 19.128 | ng/ul 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.08  | 45  | 124202m | 17.437 | ng/ul     |
| 14) Acetophenone               | 8.39  | 105 | 211464  | 18.377 | ng/ul 90  |
| 15) N-Nitroso-di-n-propylamine | 8.36  | 70  | 123010  | 19.076 | ng/ul# 86 |
| 16) 4-Methylphenol             | 8.34  | 108 | 145599  | 19.378 | ng/ul 98  |
| 17) Hexachloroethane           | 8.60  | 117 | 60684   | 19.909 | ng/ul 85  |
| 20) Nitrobenzene               | 8.77  | 77  | 177043  | 18.826 | ng/ul 97  |
| 21) Isophorone                 | 9.28  | 82  | 321792  | 19.946 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.47  | 139 | 78870   | 20.335 | ng/ul 96  |
| 24) 2,4-Dimethylphenol         | 9.53  | 107 | 163100  | 19.352 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.76  | 93  | 183864  | 18.887 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.00 | 162 | 130619  | 19.924 | ng/ul 96  |
| 28) Naphthalene                | 10.37 | 128 | 442550  | 19.290 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.52 | 127 | 173856  | 20.727 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.63 | 225 | 81198   | 19.633 | ng/ul 98  |
| 32) Caprolactam                | 11.34 | 113 | 38822   | 19.944 | ng/ul 81  |
| 33) 4-Chloro-3-methylphenol    | 11.66 | 107 | 144578  | 20.459 | ng/ul 97  |
| 34) 2-Methylnaphthalene        | 12.00 | 142 | 307275  | 19.114 | ng/ul 100 |

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|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.23 | 142  | 293357   | 19.327 | ng/ul  | 97       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.37 | 216  | 148838   | 18.933 | ng/ul# | 93       |
| 38) Hexachlorocyclopentadiene  | 12.33 | 237  | 85667    | 21.244 | ng/ul# | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.64 | 196  | 99445    | 20.275 | ng/ul  | 98       |
| 40) 2,4,5-Trichlorophenol      | 12.72 | 196  | 102370   | 19.462 | ng/ul  | 94       |
| 41) 1,1'-Biphenyl              | 13.03 | 154  | 395587   | 18.800 | ng/ul# | 95       |
| 42) 2-Chloronaphthalene        | 13.08 | 162  | 304779   | 18.914 | ng/ul  | 98       |
| 43) 2-Nitroaniline             | 13.32 | 65   | 93475    | 21.123 | ng/ul  | 92       |
| 45) Dimethylphthalate          | 13.69 | 163  | 379306   | 18.964 | ng/ul  | 97       |
| 46) 2,6-Dinitrotoluene         | 13.83 | 165  | 77218    | 21.030 | ng/ul  | 91       |
| 48) Acenaphthylene             | 13.93 | 152  | 484627   | 19.616 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.17 | 138  | 75130    | 20.910 | ng/ul  | 90       |
| 50) Acenaphthene               | 14.28 | 153  | 329847   | 18.957 | ng/ul  | 98       |
| 51) 2,4-Dinitrophenol          | 14.40 | 184  | 35737    | 16.810 | ng/ul# | 84       |
| 53) 4-Nitrophenol              | 14.50 | 109  | 67407    | 27.562 | ng/ul  | 84       |
| 54) Dibenzofuran               | 14.62 | 168  | 469255   | 19.312 | ng/ul  | 100      |
| 55) 2,4-Dinitrotoluene         | 14.63 | 165  | 114854   | 21.124 | ng/ul# | 70       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.86 | 232  | 85846    | 19.374 | ng/ul# | 80       |
| 57) Diethylphthalate           | 15.05 | 149  | 391892   | 19.920 | ng/ul  | 95       |
| 59) Fluorene                   | 15.27 | 166  | 371157   | 19.276 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.27 | 204  | 181627   | 18.909 | ng/ul  | 91       |
| 61) 4-Nitroaniline             | 15.34 | 138  | 78933    | 20.125 | ng/ul# | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 15.40 | 198  | 55620    | 14.879 | ng/ul# | 88       |
| 65) N-Nitrosodiphenylamine     | 15.49 | 169  | 323424   | 19.471 | ng/ul  | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.17 | 248  | 112449   | 19.394 | ng/ul  | 95       |
| 67) Hexachlorobenzene          | 16.27 | 284  | 132283   | 18.841 | ng/ul  | 91       |
| 68) Atrazine                   | 16.46 | 200  | 113516   | 19.528 | ng/ul  | 95       |
| 69) Pentachlorophenol          | 16.64 | 266  | 63772    | 17.378 | ng/ul  | 95       |
| 70) Phenanthrene               | 17.02 | 178  | 574721   | 18.985 | ng/ul  | 99       |
| 72) Anthracene                 | 17.11 | 178  | 599132   | 19.400 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.00 | 216  | 145656   | 18.817 | ng/uL  | 98       |
| 74) Pentachlorobenzene         | 14.53 | 250  | 151547   | 18.717 | ng/uL  | 97       |
| 75) Carbazole                  | 17.40 | 167  | 542435   | 19.584 | ng/ul  | 97       |
| 76) Di-n-butylphthalate        | 17.94 | 149  | 674386   | 21.966 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.05 | 202  | 666806   | 19.223 | ng/ul# | 87       |
| 80) Pyrene                     | 19.42 | 202  | 684612   | 19.436 | ng/ul# | 88       |
| 81) Butylbenzylphthalate       | 20.33 | 149  | 330508   | 23.698 | ng/ul# | 93       |
| 82) 3,3'-Dichlorobenzidine     | 21.12 | 252  | 266845   | 20.980 | ng/ul# | 97       |
| 83) Benzo(a)anthracene         | 21.18 | 228  | 678261   | 19.247 | ng/ul  | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.09 | 149  | 491716   | 24.324 | ng/ul# | 94       |
| 85) Chrysene                   | 21.23 | 228  | 636286   | 18.817 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 21.96 | 149  | 860155   | 22.902 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.73 | 252  | 696663   | 18.995 | ng/ul# | 96       |
| 89) Benzo(k)fluoranthene       | 22.77 | 252  | 659539   | 18.725 | ng/ul# | 97       |
| 91) Benzo(a)pyrene             | 23.30 | 252  | 657486   | 18.752 | ng/ul# | 95       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.61 | 276  | 838493   | 19.097 | ng/ul# | 88       |
| 93) Dibenzo(a,h)anthracene     | 25.61 | 278  | 713334   | 19.057 | ng/ul# | 96       |
| 94) Benzo(g,h,i)perylene       | 26.29 | 276  | 695791   | 18.964 | ng/ul# | 95       |

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

