

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032319\  
 Data File : BM019385.D  
 Acq On : 24 Mar 2019 10:59  
 Operator : JU/SJ  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02065

Manual Integrations  
 APPROVED

Sohil  
 3/26/2019 6:26:04 PM

Quant Time: Mar 25 02:48:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Mar 25 00:34:42 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 152868   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.39 | 136  | 671407   | 20.00 | ng/ul | -0.01    |
| 36) Acenaphthene-d10      | 14.26 | 164  | 396536   | 20.00 | ng/ul | -0.01    |
| 62) Phenanthrene-d10      | 17.02 | 188  | 890518   | 20.00 | ng/ul | -0.01    |
| 78) Chrysene-d12          | 21.23 | 240  | 1002327  | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 23.44 | 264  | 1071934  | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 27430   | 7.03  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.79  | 99  | 261845  | 19.23 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67  | 167666  | 18.40 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.14  | 132 | 201722  | 19.55 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 199561  | 19.53 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.77  | 128 | 91910   | 19.19 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 104000  | 19.51 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.02 | 165 | 202918  | 20.18 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 246505  | 20.41 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 13.69 | 166 | 610175  | 19.07 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.96 | 160 | 768497  | 19.21 | ng/ul | -0.01 |
| 52) 4-Nitrophenol-d4           | 14.50 | 143 | 93582   | 18.66 | ng/ul | -0.01 |
| 58) Fluorene-d10               | 15.26 | 176 | 529233  | 19.20 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 100794  | 17.12 | ng/ul | -0.01 |
| 71) Anthracene-d10             | 17.12 | 188 | 809500  | 18.94 | ng/ul | -0.01 |
| 79) Pyrene-d10                 | 19.43 | 212 | 867646  | 18.74 | ng/ul | -0.01 |
| 90) Benzo(a)pyrene-d12         | 23.30 | 264 | 1089649 | 19.17 | ng/ul | -0.02 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.18  | 88  | 32670   | 7.354  | ng/uL# 92 |
| 4) Benzaldehyde                | 6.77  | 77  | 187930  | 19.273 | ng/ul 97  |
| 6) Phenol                      | 6.82  | 94  | 268506  | 18.902 | ng/ul 97  |
| 8) Bis(2-Chloroethyl)ether     | 7.05  | 93  | 203618  | 18.737 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.17  | 128 | 206069  | 19.648 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.05  | 108 | 193822  | 19.564 | ng/ul 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.14  | 45  | 186229m | 18.079 | ng/ul     |
| 14) Acetophenone               | 8.44  | 105 | 311882  | 18.742 | ng/ul# 93 |
| 15) N-Nitroso-di-n-propylamine | 8.42  | 70  | 182044  | 19.521 | ng/ul# 86 |
| 16) 4-Methylphenol             | 8.38  | 108 | 213465  | 19.646 | ng/ul 96  |
| 17) Hexachloroethane           | 8.66  | 117 | 80806   | 18.332 | ng/ul 86  |
| 20) Nitrobenzene               | 8.82  | 77  | 254085  | 17.822 | ng/ul 98  |
| 21) Isophorone                 | 9.33  | 82  | 465168  | 19.019 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.52  | 139 | 115143  | 19.582 | ng/ul 93  |
| 24) 2,4-Dimethylphenol         | 9.57  | 107 | 236261  | 18.491 | ng/ul 95  |
| 25) Bis(2-Chloroethoxy)methane | 9.82  | 93  | 281846  | 19.097 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.05 | 162 | 198186  | 19.940 | ng/ul 97  |
| 28) Naphthalene                | 10.44 | 128 | 651192  | 18.722 | ng/ul 98  |
| 30) 4-Chloroaniline            | 10.57 | 127 | 249571  | 19.626 | ng/ul 96  |
| 31) Hexachlorobutadiene        | 10.70 | 225 | 115869  | 18.480 | ng/ul 98  |
| 32) Caprolactam                | 11.39 | 113 | 60657   | 20.554 | ng/ul# 78 |
| 33) 4-Chloro-3-methylphenol    | 11.70 | 107 | 216466  | 20.205 | ng/ul 96  |
| 34) 2-Methylnaphthalene        | 12.06 | 142 | 468371  | 19.218 | ng/ul 99  |

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|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.28 | 142  | 444332   | 19.309 | ng/ul# | 97       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.43 | 216  | 235636   | 18.675 | ng/ul# | 97       |
| 38) Hexachlorocyclopentadiene  | 12.39 | 237  | 136534   | 21.095 | ng/ul# | 97       |
| 39) 2,4,6-Trichlorophenol      | 12.69 | 196  | 152583   | 19.382 | ng/ul  | 97       |
| 40) 2,4,5-Trichlorophenol      | 12.76 | 196  | 164063   | 19.432 | ng/ul  | 98       |
| 41) 1,1'-Biphenyl              | 13.09 | 154  | 613130   | 18.154 | ng/ul# | 95       |
| 42) 2-Chloronaphthalene        | 13.13 | 162  | 479432   | 18.536 | ng/ul  | 99       |
| 43) 2-Nitroaniline             | 13.36 | 65   | 135464   | 19.071 | ng/ul  | 95       |
| 45) Dimethylphthalate          | 13.73 | 163  | 602379   | 18.764 | ng/ul  | 98       |
| 46) 2,6-Dinitrotoluene         | 13.86 | 165  | 117821   | 19.992 | ng/ul  | 94       |
| 48) Acenaphthylene             | 13.99 | 152  | 747994   | 18.863 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.20 | 138  | 111730   | 19.374 | ng/ul  | 94       |
| 50) Acenaphthene               | 14.33 | 153  | 518333   | 18.560 | ng/ul  | 98       |
| 51) 2,4-Dinitrophenol          | 14.42 | 184  | 75197    | 22.037 | ng/ul# | 90       |
| 53) 4-Nitrophenol              | 14.52 | 109  | 68626    | 17.483 | ng/ul# | 74       |
| 54) Dibenzofuran               | 14.67 | 168  | 736518   | 18.885 | ng/ul  | 94       |
| 55) 2,4-Dinitrotoluene         | 14.66 | 165  | 179737   | 20.595 | ng/ul# | 73       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232  | 144184   | 20.273 | ng/ul# | 87       |
| 57) Diethylphthalate           | 15.10 | 149  | 599850   | 18.997 | ng/ul  | 97       |
| 59) Fluorene                   | 15.32 | 166  | 597798   | 19.343 | ng/ul  | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.32 | 204  | 292106   | 18.946 | ng/ul  | 92       |
| 61) 4-Nitroaniline             | 15.37 | 138  | 119282   | 18.948 | ng/ul  | 88       |
| 64) 4,6-Dinitro-2-methylphenol | 15.42 | 198  | 106119   | 17.021 | ng/ul  | 95       |
| 65) N-Nitrosodiphenylamine     | 15.54 | 169  | 517986   | 18.696 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.22 | 248  | 180526   | 18.667 | ng/ul  | 99       |
| 67) Hexachlorobenzene          | 16.32 | 284  | 215406   | 18.394 | ng/ul  | 91       |
| 68) Atrazine                   | 16.50 | 200  | 175949   | 18.147 | ng/ul  | 96       |
| 69) Pentachlorophenol          | 16.67 | 266  | 139388   | 22.773 | ng/ul  | 98       |
| 70) Phenanthrene               | 17.06 | 178  | 943379   | 18.684 | ng/ul  | 99       |
| 72) Anthracene                 | 17.16 | 178  | 958291   | 18.604 | ng/ul  | 97       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.05 | 216  | 231673   | 17.944 | ng/uL  | 97       |
| 74) Pentachlorobenzene         | 14.58 | 250  | 240714   | 17.825 | ng/uL  | 97       |
| 75) Carbazole                  | 17.44 | 167  | 845849   | 18.310 | ng/ul  | 98       |
| 76) Di-n-butylphthalate        | 17.99 | 149  | 998900   | 19.507 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.09 | 202  | 1088858  | 18.820 | ng/ul# | 88       |
| 80) Pvrene                     | 19.46 | 202  | 1123730  | 18.635 | ng/ul# | 84       |
| 81) Butylbenzylphthalate       | 20.36 | 149  | 461675   | 19.336 | ng/ul# | 89       |
| 82) 3,3'-Dichlorobenzidine     | 21.16 | 252  | 407964   | 18.736 | ng/ul  | 98       |
| 83) Benzo(a)anthracene         | 21.21 | 228  | 1150683  | 19.073 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.13 | 149  | 683602   | 19.753 | ng/ul# | 96       |
| 85) Chrysene                   | 21.26 | 228  | 1085898  | 18.759 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 22.01 | 149  | 1228371  | 18.372 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.77 | 252  | 1222994  | 18.731 | ng/ul# | 97       |
| 89) Benzo(k)fluoranthene       | 22.82 | 252  | 1186567  | 18.923 | ng/ul# | 97       |
| 91) Benzo(a)pyrene             | 23.34 | 252  | 1179663  | 18.899 | ng/ul# | 97       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.67 | 276  | 1458489  | 18.659 | ng/ul# | 88       |
| 93) Dibenzo(a,h)anthracene     | 25.68 | 278  | 1240172  | 18.611 | ng/ul# | 95       |
| 94) Benzo(a,h,i)perylene       | 26.36 | 276  | 1205832  | 18.461 | ng/ul# | 92       |

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

