

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031420\  
 Data File : BM025568.D  
 Acq On : 14 Mar 2020 12:53  
 Operator : CG/JU  
 Sample : SSTD01002  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD01002

Manual Integrations  
 APPROVED

mohammad  
 3/16/2020 1:53:26 PM

Quant Time: Mar 16 03:53:45 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Mar 16 03:07:24 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 164459   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.40 | 136  | 673049   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.27 | 164  | 439208   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.02 | 188  | 992551   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.20 | 240  | 1103024  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.39 | 264  | 1324855  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 16157  | 4.73  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 117154 | 10.72 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.98  | 67  | 70367  | 11.40 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.18  | 132 | 100399 | 10.26 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.34  | 113 | 96141  | 10.43 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.78  | 128 | 46458  | 9.55  | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.50  | 143 | 47813  | 8.31  | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 101375 | 8.74  | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 118756 | 10.94 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.69 | 166 | 327363 | 9.87  | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.96 | 160 | 381424 | 9.85  | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.47 | 143 | 55105  | 10.23 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.27 | 176 | 286252 | 9.75  | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 45951  | 7.10  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.11 | 188 | 440614 | 9.72  | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.41 | 212 | 490506 | 8.89  | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.24 | 264 | 637526 | 9.58  | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.26  | 88  | 17641  | 4.893  | ng/uL 95  |
| 4) Benzaldehyde                | 6.79  | 77  | 82026  | 11.415 | ng/ul 95  |
| 6) Phenol                      | 6.85  | 94  | 124809 | 10.853 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.07  | 93  | 102728 | 11.063 | ng/ul 95  |
| 10) 2-Chlorophenol             | 7.21  | 128 | 107842 | 10.807 | ng/ul 97  |
| 11) 2-Methylphenol             | 8.08  | 108 | 92405  | 10.352 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.17  | 45  | 138520 | 18.969 | ng/ul 98  |
| 14) Acetophenone               | 8.45  | 105 | 153445 | 10.563 | ng/ul 97  |
| 15) N-Nitroso-di-n-propylamine | 8.44  | 70  | 79399  | 11.564 | ng/ul# 99 |
| 16) 4-Methylphenol             | 8.40  | 108 | 102153 | 10.600 | ng/ul 98  |
| 17) Hexachloroethane           | 8.71  | 117 | 45043  | 10.010 | ng/ul 98  |
| 20) Nitrobenzene               | 8.82  | 77  | 116996 | 10.125 | ng/ul 99  |
| 21) Isophorone                 | 9.35  | 82  | 214028 | 10.213 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.53  | 139 | 54399  | 8.789  | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.60  | 107 | 113886 | 9.849  | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.83  | 93  | 135935 | 10.342 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.06 | 162 | 98663  | 8.612  | ng/ul 96  |
| 28) Naphthalene                | 10.46 | 128 | 352266 | 10.244 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.56 | 127 | 121165 | 11.187 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 10.76 | 225 | 66839  | 7.023  | ng/ul 98  |
| 32) Caprolactam                | 11.32 | 113 | 31001m | 10.322 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.70 | 107 | 106391 | 10.008 | ng/ul 97  |
| 34) 2-Methylnaphthalene        | 12.07 | 142 | 251926 | 9.945  | ng/ul 100 |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.29 | 142  | 250236   | 9.905  | ng/ul  | 100      |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.45 | 216  | 132581   | 8.536  | ng/ul  | 99       |
| 38) Hexachlorocyclopentadiene  | 12.44 | 237  | 78760    | 7.191  | ng/ul  | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.69 | 196  | 81664    | 8.542  | ng/ul  | 98       |
| 40) 2,4,5-Trichlorophenol      | 12.76 | 196  | 91821    | 9.189  | ng/ul  | 99       |
| 41) 1,1'-Biphenyl              | 13.10 | 154  | 340255   | 10.494 | ng/ul  | 98       |
| 42) 2-Chloronaphthalene        | 13.13 | 162  | 264315   | 9.984  | ng/ul  | 98       |
| 43) 2-Nitroaniline             | 13.34 | 65   | 62824    | 11.254 | ng/ul  | 96       |
| 45) Dimethylphthalate          | 13.73 | 163  | 342774   | 9.911  | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene         | 13.85 | 165  | 62298    | 8.908  | ng/ul  | 97       |
| 48) Acenaphthylene             | 13.99 | 152  | 414442   | 10.334 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.17 | 138  | 56320    | 10.691 | ng/ul  | 88       |
| 50) Acenaphthene               | 14.33 | 153  | 284612   | 10.509 | ng/ul  | 99       |
| 51) 2,4-Dinitrophenol          | 14.38 | 184  | 29159    | 6.844  | ng/ul  | 90       |
| 53) 4-Nitrophenol              | 14.48 | 109  | 46660    | 10.605 | ng/ul  | 93       |
| 54) Dibenzofuran               | 14.67 | 168  | 408094   | 10.108 | ng/ul  | 97       |
| 55) 2,4-Dinitrotoluene         | 14.63 | 165  | 93602    | 9.378  | ng/ul  | 92       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232  | 81216    | 8.318  | ng/ul  | 96       |
| 57) Diethylphthalate           | 15.11 | 149  | 349868   | 10.224 | ng/ul  | 100      |
| 59) Fluorene                   | 15.32 | 166  | 340100   | 10.221 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.32 | 204  | 176607   | 9.219  | ng/ul  | 98       |
| 61) 4-Nitroaniline             | 15.33 | 138  | 70465    | 10.801 | ng/ul  | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.40 | 198  | 52143    | 7.530  | ng/ul# | 92       |
| 65) N-Nitrosodiphenylamine     | 15.53 | 169  | 291144   | 10.501 | ng/ul  | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.22 | 248  | 114759   | 9.227  | ng/ul  | 97       |
| 67) Hexachlorobenzene          | 16.33 | 284  | 143913   | 9.791  | ng/ul  | 98       |
| 68) Atrazine                   | 16.49 | 200  | 103890   | 8.721  | ng/ul  | 98       |
| 69) Pentachlorophenol          | 16.67 | 266  | 74551    | 8.476  | ng/ul  | 99       |
| 70) Phenanthrene               | 17.06 | 178  | 563563   | 10.413 | ng/ul  | 99       |
| 72) Anthracene                 | 17.14 | 178  | 567664   | 10.343 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.06 | 216  | 138781   | 8.515  | ng/uL  | 99       |
| 74) Pentachlorobenzene         | 14.60 | 250  | 162091   | 9.372  | ng/uL  | 95       |
| 75) Carbazole                  | 17.42 | 167  | 486593   | 10.642 | ng/ul  | 100      |
| 76) Di-n-butylphthalate        | 18.00 | 149  | 564108   | 9.696  | ng/ul  | 99       |
| 77) Fluoranthene               | 19.07 | 202  | 658530   | 9.912  | ng/ul  | 99       |
| 80) Pvrene                     | 19.44 | 202  | 694539   | 9.513  | ng/ul  | 100      |
| 81) Butylbenzylphthalate       | 20.36 | 149  | 248384   | 9.095  | ng/ul  | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 223614   | 8.673  | ng/ul  | 100      |
| 83) Benzo(a)anthracene         | 21.19 | 228  | 700861   | 9.433  | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 397294   | 9.191  | ng/ul  | 99       |
| 85) Chrysene                   | 21.24 | 228  | 688835   | 9.417  | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 22.01 | 149  | 660032   | 8.337  | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.74 | 252  | 777233   | 9.226  | ng/ul  | 99       |
| 89) Benzo(k)fluoranthene       | 22.78 | 252  | 773920   | 9.544  | ng/ul  | 100      |
| 91) Benzo(a)pyrene             | 23.29 | 252  | 714469   | 9.460  | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.54 | 276  | 942002   | 10.018 | ng/ul  | 98       |
| 93) Dibenzo(a,h)anthracene     | 25.56 | 278  | 796531   | 9.942  | ng/ul  | 99       |
| 94) Benzo(a,h,i)perylene       | 26.20 | 276  | 775479   | 9.916  | ng/ul  | 98       |

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| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

