

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070819\  
 Data File : BM021407.D  
 Acq On : 08 Jul 2019 18:12  
 Operator : HP/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SICV29

Manual Integrations  
 APPROVED

mohammad  
 7/10/2019 6:16:27 PM

Quant Time: Jul 08 18:49:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM070819MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 08 17:45:45 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 169093   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.52 | 136  | 679876   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.38 | 164  | 415020   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.13 | 188  | 953111   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.32 | 240  | 948268   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.58 | 264  | 1041764  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 26901   | 7.84  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.91  | 99  | 272853  | 20.75 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.08  | 67  | 164572  | 21.11 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.27  | 132 | 233914  | 20.67 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.45  | 113 | 222172  | 21.21 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.90  | 128 | 114115  | 20.38 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.61  | 143 | 129843  | 20.50 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.15 | 165 | 260791  | 20.65 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.67 | 131 | 270889  | 23.72 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.79 | 166 | 752212  | 20.70 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.07 | 160 | 945387  | 20.71 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.60 | 143 | 114001  | 19.79 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.37 | 176 | 661790  | 20.40 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.51 | 200 | 118509  | 18.50 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.23 | 188 | 1007381 | 20.35 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.53 | 212 | 1092150 | 20.99 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.43 | 264 | 1234210 | 20.60 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.30  | 88  | 27699  | 7.677  | ng/uL 98  |
| 4) Benzaldehyde                | 6.89  | 77  | 128500 | 18.103 | ng/ul 97  |
| 6) Phenol                      | 6.94  | 94  | 257525 | 20.464 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.17  | 93  | 203768 | 20.942 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.30  | 128 | 219617 | 20.193 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.18  | 108 | 197877 | 20.635 | ng/ul 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.26  | 45  | 245854 | 20.722 | ng/ul 99  |
| 14) Acetophenone               | 8.56  | 105 | 330204 | 20.934 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.55  | 70  | 164122 | 20.750 | ng/ul 97  |
| 16) 4-Methylphenol             | 8.50  | 108 | 213687 | 21.018 | ng/ul 95  |
| 17) Hexachloroethane           | 8.80  | 117 | 94679  | 19.909 | ng/ul 99  |
| 20) Nitrobenzene               | 8.94  | 77  | 251143 | 20.021 | ng/ul 96  |
| 21) Isophorone                 | 9.46  | 82  | 452868 | 20.369 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.65  | 139 | 127391 | 20.201 | ng/ul 97  |
| 24) 2,4-Dimethylphenol         | 9.70  | 107 | 246296 | 20.074 | ng/ul 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.94  | 93  | 281159 | 20.274 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.17 | 162 | 232747 | 20.146 | ng/ul 98  |
| 28) Naphthalene                | 10.57 | 128 | 708215 | 20.016 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.69 | 127 | 251945 | 23.083 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.84 | 225 | 169055 | 19.800 | ng/ul 99  |
| 32) Caprolactam                | 11.50 | 113 | 59200m | 19.635 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.82 | 107 | 220610 | 20.515 | ng/ul 97  |
| 34) 2-Methylnaphthalene        | 12.19 | 142 | 529851 | 20.316 | ng/ul 100 |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.56 | 216  | 323143   | 20.021 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.52 | 237  | 145725   | 17.748 | ng/ul# | 95       |
| 38) 2,4,6-Trichlorophenol      | 12.80 | 196  | 195855   | 20.390 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.88 | 196  | 203704   | 20.008 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.20 | 154  | 698634   | 20.113 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.25 | 162  | 558591   | 20.066 | ng/ul  | 100      |
| 42) 2-Nitroaniline             | 13.47 | 65   | 124252   | 20.427 | ng/ul  | 98       |
| 44) Dimethylphthalate          | 13.84 | 163  | 683960   | 20.208 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 13.97 | 165  | 127008   | 20.607 | ng/ul  | 96       |
| 47) Acenaphthylene             | 14.10 | 152  | 802327   | 20.207 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.30 | 138  | 112342   | 20.262 | ng/ul  | 96       |
| 49) Acenaphthene               | 14.45 | 153  | 579154   | 20.074 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.52 | 184  | 64877    | 17.503 | ng/ul  | 97       |
| 52) 4-Nitrophenol              | 14.62 | 109  | 83828    | 19.538 | ng/ul  | 96       |
| 53) Dibenzofuran               | 14.78 | 168  | 836886   | 20.024 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.76 | 165  | 191576   | 20.266 | ng/ul  | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.01 | 232  | 181741   | 20.029 | ng/ul  | 98       |
| 56) Diethylphthalate           | 15.20 | 149  | 649749   | 19.995 | ng/ul  | 99       |
| 58) Fluorene                   | 15.43 | 166  | 679317   | 20.091 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.43 | 204  | 374983   | 19.844 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.47 | 138  | 102844   | 18.066 | ng/ul  | 97       |
| 63) 4,6-Dinitro-2-methylphenol | 15.52 | 198  | 120030   | 18.831 | ng/ul  | 100      |
| 64) N-Nitrosodiphenylamine     | 15.64 | 169  | 572525   | 20.193 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.32 | 248  | 237470   | 20.137 | ng/ul  | 98       |
| 66) Hexachlorobenzene          | 16.43 | 284  | 281370   | 20.069 | ng/ul  | 99       |
| 67) Atrazine                   | 16.60 | 200  | 205695   | 19.637 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 16.78 | 266  | 139149   | 18.828 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.17 | 178  | 1071131  | 19.931 | ng/ul  | 99       |
| 71) Anthracene                 | 17.26 | 178  | 1091487  | 19.955 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.17 | 216  | 315117   | 20.169 | ng/ul  | 100      |
| 73) Pentachlorobenzene         | 14.69 | 250  | 323831   | 20.120 | ng/ul  | 99       |
| 74) Carbazole                  | 17.54 | 167  | 901248   | 19.851 | ng/ul  | 100      |
| 75) Di-n-butylphthalate        | 18.10 | 149  | 1045887  | 20.108 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.19 | 202  | 1260104  | 19.746 | ng/ul  | 99       |
| 79) Pvrene                     | 19.56 | 202  | 1293594  | 20.612 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.46 | 149  | 459736   | 20.680 | ng/ul  | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.24 | 252  | 403744   | 19.149 | ng/ul  | 100      |
| 82) Benzo(a)anthracene         | 21.30 | 228  | 1297363  | 19.978 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 673109   | 20.584 | ng/ul  | 99       |
| 84) Chrysene                   | 21.36 | 228  | 1230496  | 20.156 | ng/ul  | 100      |
| 86) Di-n-octyl phthalate       | 22.11 | 149  | 1137494  | 20.213 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.90 | 252  | 1337268  | 20.599 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 22.94 | 252  | 1281334  | 19.816 | ng/ul  | 100      |
| 90) Benzo(a)pyrene             | 23.48 | 252  | 1246918  | 19.885 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.86 | 276  | 1529344  | 19.745 | ng/ul  | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.87 | 278  | 1292988  | 19.857 | ng/ul  | 98       |
| 93) Benzo(g,h,i)perylene       | 26.56 | 276  | 1265016  | 19.796 | ng/ul  | 99       |

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

