

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120320\  
 Data File : BM028019.D  
 Acq On : 03 Dec 2020 15:55  
 Operator : JU/CG  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SICV007

Manual Integrations  
 APPROVED

mohammad  
 12/7/2020 8:50:46 AM

Quant Time: Dec 03 16:38:29 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM120320.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 03 15:09:43 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.29  | 152  | 191818   | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 11.13 | 136  | 746864   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.92 | 164  | 401390   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.63 | 188  | 776712   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.74 | 240  | 751752   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 24.14 | 264  | 776895   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.47  | 96  | 41074  | 7.99  | ng/uL | 0.00 |
| 4) Pyridine-d5                 | 3.93  | 84  | 276109 | 19.93 | ng/ul | 0.00 |
| 7) Phenol-d5                   | 7.42  | 99  | 317540 | 19.89 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 7.60  | 67  | 197402 | 19.89 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.81  | 132 | 273159 | 20.54 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8          | 8.99  | 113 | 250719 | 19.91 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5            | 9.47  | 128 | 120808 | 20.83 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4           | 10.20 | 143 | 122923 | 21.22 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 10.73 | 165 | 242267 | 20.62 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4         | 11.25 | 131 | 324686 | 20.20 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6       | 14.31 | 166 | 609690 | 20.53 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8          | 14.61 | 160 | 789314 | 20.71 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4           | 15.07 | 143 | 114131 | 19.93 | ng/ul | 0.00 |
| 60) Fluorene-d10               | 15.89 | 176 | 539098 | 20.25 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 16.00 | 200 | 85919  | 19.06 | ng/ul | 0.00 |
| 73) Anthracene-d10             | 17.73 | 188 | 775992 | 20.38 | ng/ul | 0.00 |
| 81) Pyrene-d10                 | 19.98 | 212 | 809657 | 20.52 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12         | 23.99 | 264 | 855311 | 20.68 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.51  | 88  | 43122   | 8.165  | ng/uL 91  |
| 5) Pyridine                    | 3.96  | 79  | 278693  | 20.045 | ng/ul 98  |
| 6) Benzaldehyde                | 7.41  | 77  | 147057m | 22.278 | ng/ul     |
| 8) Phenol                      | 7.45  | 94  | 323394  | 19.846 | ng/ul 99  |
| 10) Bis(2-Chloroethyl)ether    | 7.69  | 93  | 268308  | 19.997 | ng/ul 98  |
| 12) 2-Chlorophenol             | 7.85  | 128 | 278936  | 20.371 | ng/ul 99  |
| 13) 2-Methylphenol             | 8.73  | 108 | 239798  | 19.661 | ng/ul 95  |
| 14) 2,2'-oxybis(1-Chloropropan | 8.82  | 45  | 428519  | 19.847 | ng/ul 100 |
| 16) Acetophenone               | 9.13  | 105 | 376229  | 19.964 | ng/ul 100 |
| 17) N-Nitroso-di-n-propylamine | 9.10  | 70  | 180903  | 20.202 | ng/ul 99  |
| 18) 4-Methylphenol             | 9.06  | 108 | 258878  | 19.799 | ng/ul 94  |
| 19) Hexachloroethane           | 9.39  | 117 | 117303  | 20.411 | ng/ul 93  |
| 22) Nitrobenzene               | 9.51  | 77  | 291702  | 20.387 | ng/ul 99  |
| 23) Isophorone                 | 10.04 | 82  | 497249  | 20.774 | ng/ul 99  |
| 25) 2-Nitrophenol              | 10.23 | 139 | 139861  | 21.345 | ng/ul 99  |
| 26) 2,4-Dimethylphenol         | 10.27 | 107 | 272699  | 20.252 | ng/ul 98  |
| 27) Bis(2-Chloroethoxy)methane | 10.52 | 93  | 339508  | 20.662 | ng/ul 98  |
| 29) 2,4-Dichlorophenol         | 10.76 | 162 | 235617  | 20.494 | ng/ul 98  |
| 30) Naphthalene                | 11.18 | 128 | 848581  | 20.120 | ng/ul 100 |
| 32) 4-Chloroaniline            | 11.27 | 127 | 315976  | 20.297 | ng/ul 99  |
| 33) Hexachlorobutadiene        | 11.46 | 225 | 153665  | 20.413 | ng/ul 99  |
| 34) Caprolactam                | 12.04 | 113 | 64418   | 19.446 | ng/ul 99  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 4-Chloro-3-methylphenol    | 12.37 | 107  | 236313   | 20.493 | ng/ul | 98       |
| 36) 2-Methylnaphthalene        | 12.76 | 142  | 560631   | 20.217 | ng/ul | 99       |
| 37) 1-Methylnaphthalene        | 12.98 | 142  | 537912   | 20.179 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.13 | 216  | 276549   | 20.244 | ng/ul | 96       |
| 40) Hexachlorocyclopentadiene  | 13.10 | 237  | 153020   | 19.654 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol      | 13.36 | 196  | 169270   | 20.677 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol      | 13.42 | 196  | 183559   | 20.881 | ng/ul | 95       |
| 43) 1,1'-Biphenyl              | 13.75 | 154  | 699194   | 20.329 | ng/ul | 100      |
| 44) 2-Chloronaphthalene        | 13.80 | 162  | 551581   | 20.356 | ng/ul | 98       |
| 45) 2-Nitroaniline             | 13.99 | 65   | 141776   | 21.044 | ng/ul | 100      |
| 47) Dimethylphthalate          | 14.36 | 163  | 629211   | 20.493 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene         | 14.47 | 165  | 123091   | 21.116 | ng/ul | 95       |
| 50) Acenaphthylene             | 14.64 | 152  | 810651   | 20.519 | ng/ul | 99       |
| 51) 3-Nitroaniline             | 14.80 | 138  | 119762   | 20.701 | ng/ul | 99       |
| 52) Acenaphthene               | 14.97 | 153  | 578292   | 20.397 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol          | 15.00 | 184  | 59916    | 17.869 | ng/ul | 97       |
| 55) 4-Nitrophenol              | 15.09 | 109  | 84677    | 20.107 | ng/ul | 94       |
| 56) Dibenzofuran               | 15.30 | 168  | 776005   | 20.207 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene         | 15.26 | 165  | 173848   | 21.284 | ng/ul | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.52 | 232  | 146746   | 20.783 | ng/ul | 98       |
| 59) Diethylphthalate           | 15.70 | 149  | 622376   | 20.691 | ng/ul | 99       |
| 61) Fluorene                   | 15.94 | 166  | 635386   | 20.268 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenylether | 15.93 | 204  | 311416   | 20.287 | ng/ul | 98       |
| 63) 4-Nitroaniline             | 15.95 | 138  | 100746   | 19.657 | ng/ul | 95       |
| 66) 4,6-Dinitro-2-methylphenol | 16.01 | 198  | 96654    | 19.471 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine     | 16.14 | 169  | 523836   | 20.505 | ng/ul | 98       |
| 68) 4-Bromophenyl-phenylether  | 16.82 | 248  | 182636   | 20.574 | ng/ul | 99       |
| 69) Hexachlorobenzene          | 16.94 | 284  | 207513   | 20.263 | ng/ul | 99       |
| 70) Atrazine                   | 17.07 | 200  | 173829   | 20.108 | ng/ul | 98       |
| 71) Pentachlorophenol          | 17.27 | 266  | 110095   | 19.211 | ng/ul | 98       |
| 72) Phenanthrene               | 17.67 | 178  | 962929   | 20.390 | ng/ul | 99       |
| 74) Anthracene                 | 17.76 | 178  | 981165   | 20.398 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.73 | 216  | 264733   | 20.182 | ng/uL | 100      |
| 76) Pentachlorobenzene         | 15.23 | 250  | 256252   | 20.386 | ng/uL | 98       |
| 77) Carbazole                  | 18.02 | 167  | 835531   | 20.414 | ng/ul | 100      |
| 78) Di-n-butylphthalate        | 18.56 | 149  | 996166   | 21.352 | ng/ul | 99       |
| 80) Fluoranthene               | 19.65 | 202  | 1053363  | 20.371 | ng/ul | 100      |
| 82) Pyrene                     | 20.01 | 202  | 1096050  | 20.309 | ng/ul | 100      |
| 83) Butylbenzylphthalate       | 20.86 | 149  | 421430   | 21.756 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine     | 21.64 | 252  | 341061   | 20.475 | ng/ul | 98       |
| 85) Benzo(a)anthracene         | 21.72 | 228  | 1016744  | 20.374 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phthalate | 21.62 | 149  | 627631   | 21.416 | ng/ul | 98       |
| 87) Chrysene                   | 21.77 | 228  | 1000950  | 20.294 | ng/ul | 100      |
| 89) Di-n-octyl phthalate       | 22.54 | 149  | 1071289  | 20.343 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene       | 23.41 | 252  | 1038459  | 20.260 | ng/ul | 98       |
| 91) Benzo(k)fluoranthene       | 23.46 | 252  | 1015863  | 20.538 | ng/ul | 99       |
| 93) Benzo(a)pyrene             | 24.03 | 252  | 952464   | 20.427 | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene     | 26.62 | 276  | 1170326  | 20.444 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene     | 26.63 | 278  | 989953   | 20.459 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene       | 27.39 | 276  | 988527   | 20.466 | ng/ul | 99       |

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|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

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

