

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030922\  
 Data File : BN018887.D  
 Acq On : 09 Mar 2022 16:41  
 Operator : CG/JU  
 Sample : N1331-05  
 Misc : SFAM-MDL-ME-SOIL01  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-MED-SOIL-QT1-2022-01

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay

Quant Time: Mar 09 17:11:19 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN030822.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 08 14:15:20 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.904  | 152  | 125771   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.710 | 136  | 579853   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.539 | 164  | 416820   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.275 | 188  | 893061   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.451 | 240  | 1023699  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.845 | 264  | 1100795  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.269  | 96   | 16101    | 5.120  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.693  | 84   | 211241   | 21.954 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.057  | 99   | 284216   | 23.147 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.228  | 67   | 184263   | 24.914 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.434  | 132  | 215680   | 24.510 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.604  | 113  | 234652   | 23.502 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.063  | 128  | 108403   | 24.338 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.787  | 143  | 121252   | 24.778 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.322 | 165  | 224961   | 24.033 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.840 | 131  | 340604   | 24.164 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.945 | 166  | 792731   | 25.119 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.228 | 160  | 980559   | 24.962 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.716 | 143  | 143311   | 22.423 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.528 | 176  | 696526   | 25.391 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.639 | 200  | 120115   | 21.702 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.375 | 188  | 1121952  | 26.266 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.663 | 212  | 1365914  | 24.656 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.692 | 264  | 1489847  | 25.969 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.305  | 88   | 3512     | 1.029  | ng/uL# | 92       |
| 5) Pyridine                   | 3.711  | 79   | 38899    | 3.920  | ng/u1# | 63       |
| 6) Benzaldehyde               | 7.034  | 77   | 29675    | 4.746  | ng/u1  | 93       |
| 8) Phenol                     | 7.081  | 94   | 55746    | 4.339  | ng/u1  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.316  | 93   | 46317    | 4.674  | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.463  | 128  | 41839    | 4.484  | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.346  | 108  | 37047    | 3.863  | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.434  | 45   | 67565    | 4.776  | ng/u1  | 100      |
| 16) Acetophenone              | 8.722  | 105  | 70815    | 4.577  | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.710  | 70   | 34835    | 4.418  | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.669  | 108  | 47057    | 4.387  | ng/u1  | 98       |
| 19) Hexachloroethane          | 8.993  | 117  | 16327    | 4.484  | ng/u1  | 96       |
| 22) Nitrobenzene              | 9.104  | 77   | 54556    | 4.720  | ng/u1  | 99       |
| 23) Isophorone                | 9.628  | 82   | 91509    | 4.142  | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.816  | 139  | 25364    | 4.664  | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.875  | 107  | 53525    | 4.531  | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.116 | 93   | 64653    | 4.636  | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.351 | 162  | 43985    | 4.618  | ng/u1  | 95       |
| 30) Naphthalene               | 10.763 | 128  | 155218   | 4.857  | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.863 | 127  | 68391    | 4.676  | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.063 | 225  | 27944    | 4.670  | ng/u1  | 95       |
| 34) Caprolactam               | 11.610 | 113  | 12740m   | 3.678  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.987 | 107  | 47316    | 4.242  | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.369 | 142  | 109048   | 4.854  | ng/u1  | 94       |

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| 37) 1-Methylnaphthalene       | 12.587 | 142  | 96139    | 4.144 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.740 | 216  | 60105    | 4.716 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.728 | 237  | 33975    | 4.538 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.975 | 196  | 30908    | 3.752 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.039 | 196  | 34457    | 3.787 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.375 | 154  | 154801   | 4.725 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.416 | 162  | 119438   | 4.734 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.610 | 65   | 25769    | 3.427 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 13.986 | 163  | 153289   | 4.738 | ng/ul  | 97       |
| 48) 2,6-Dinitrotoluene        | 14.104 | 165  | 23213    | 3.744 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.257 | 152  | 193861   | 4.719 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.434 | 138  | 24667    | 4.107 | ng/ul# | 99       |
| 52) Acenaphthene              | 14.604 | 153  | 127863   | 4.755 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.639 | 184  | 21440    | 5.409 | ng/ul  | 97       |
| 55) 4-Nitrophenol             | 14.728 | 109  | 23946    | 4.351 | ng/ul  | 94       |
| 56) Dibenzofuran              | 14.934 | 168  | 187602   | 4.829 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.886 | 165  | 37932    | 4.065 | ng/ul  | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.157 | 232  | 29827    | 3.985 | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.351 | 149  | 145544   | 4.519 | ng/ul  | 99       |
| 61) Fluorene                  | 15.581 | 166  | 153722   | 5.026 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.575 | 204  | 77560    | 5.148 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.586 | 138  | 25832    | 4.619 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.651 | 198  | 24880    | 4.412 | ng/ul# | 85       |
| 67) N-Nitrosodiphenylamine    | 15.786 | 169  | 131218   | 4.928 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.469 | 248  | 42005    | 4.563 | ng/ul  | 93       |
| 69) Hexachlorobenzene         | 16.592 | 284  | 51117    | 4.843 | ng/ul  | 99       |
| 70) Atrazine                  | 16.728 | 200  | 40485    | 4.058 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.928 | 266  | 28172    | 4.284 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.316 | 178  | 260193   | 5.114 | ng/ul  | 98       |
| 74) Anthracene                | 17.410 | 178  | 258697   | 5.099 | ng/ul  | 96       |
| 75) 1,2,3,4-Tetrachloroben... | 13.345 | 216  | 52065    | 3.770 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.857 | 250  | 54203    | 4.338 | ng/ul  | 95       |
| 77) Carbazole                 | 17.675 | 167  | 221202   | 4.829 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.245 | 149  | 208406   | 4.048 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.333 | 202  | 308693   | 4.707 | ng/ul  | 98       |
| 82) Pyrene                    | 19.692 | 202  | 332117   | 4.958 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.586 | 149  | 84995    | 3.333 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.368 | 252  | 105643   | 4.762 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.439 | 228  | 332148   | 4.802 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.368 | 149  | 150499   | 3.921 | ng/ul  | 98       |
| 87) Chrysene                  | 21.492 | 228  | 340944   | 5.090 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.286 | 149  | 240265   | 3.483 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.115 | 252  | 358408   | 4.813 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.162 | 252  | 335495   | 4.855 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.739 | 252  | 348084   | 4.829 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.315 | 276  | 374783   | 4.694 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.333 | 278  | 327810   | 4.631 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.080 | 276  | 320098   | 4.506 | ng/ul  | 98       |

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

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