

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN011724\  
 Data File : BN029269.D  
 Acq On : 17 Jan 2024 13:24  
 Operator : MA/JU  
 Sample : 03573-04  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT3-2023-06

Quant Time: Jan 18 01:00:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN011524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 16 03:57:40 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/18/2024  
 Supervised By :Sohil Jodhani 01/18/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.940  | 152  | 137321   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.746 | 136  | 625487   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.581 | 164  | 424649   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.328 | 188  | 961043   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.528 | 240  | 981051   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.945 | 264  | 1119388  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.370  | 96   | 16147    | 4.856  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.781  | 84   | 228774   | 22.307 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.099  | 99   | 264536   | 20.078 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.281  | 67   | 180180   | 21.682 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.469  | 132  | 203852   | 21.872 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.646  | 113  | 217366   | 20.462 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.111  | 128  | 107343   | 23.656 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.828  | 143  | 86977    | 23.113 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.363 | 165  | 196876   | 21.017 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.887 | 131  | 332607   | 19.619 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.999 | 166  | 752911   | 21.539 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.275 | 160  | 838017   | 21.288 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.775 | 143  | 116422   | 19.137 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.575 | 176  | 655001   | 21.987 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.693 | 200  | 68371    | 16.917 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.428 | 188  | 1002554  | 20.752 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.728 | 212  | 1210317  | 22.202 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.786 | 264  | 1280739  | 22.199 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.411  | 88   | 3760     | 1.115  | ng/uL# | 96       |
| 5) Pyridine                   | 3.799  | 79   | 44987    | 4.294  | ng/u1# | 57       |
| 6) Benzaldehyde               | 7.087  | 77   | 35837m   | 6.061  | ng/u1  |          |
| 8) Phenol                     | 7.128  | 94   | 54279    | 4.053  | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.375  | 93   | 46064    | 4.238  | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.499  | 128  | 41686    | 4.297  | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.381  | 108  | 38514    | 3.776  | ng/u1  | 88       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.481  | 45   | 62193    | 4.475  | ng/u1  | 98       |
| 16) Acetophenone              | 8.769  | 105  | 74881    | 4.160  | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.758  | 70   | 39547    | 4.175  | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.711  | 108  | 44592    | 4.062  | ng/u1  | 96       |
| 19) Hexachloroethane          | 9.016  | 117  | 18846    | 4.279  | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.152  | 77   | 59697    | 4.758  | ng/u1  | 97       |
| 23) Isophorone                | 9.675  | 82   | 106310   | 3.987  | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.858  | 139  | 18794    | 4.265  | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.916  | 107  | 48239    | 4.095  | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.169 | 93   | 66384    | 4.423  | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.387 | 162  | 39643    | 4.303  | ng/u1  | 97       |
| 30) Naphthalene               | 10.793 | 128  | 155604   | 4.363  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.910 | 127  | 66499    | 4.032  | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.069 | 225  | 27984    | 4.304  | ng/u1  | 95       |
| 34) Caprolactam               | 11.699 | 113  | 15333m   | 4.107  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.028 | 107  | 43306    | 3.962  | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.404 | 142  | 105116   | 4.214  | ng/u1  | 97       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.622 | 142  | 110160   | 4.451 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.763 | 216  | 54911    | 4.149 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.740 | 237  | 36379    | 4.105 | ng/ul  | 92       |
| 41) 2,4,6-Trichlorophenol     | 13.010 | 196  | 26148    | 3.566 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.075 | 196  | 31744    | 3.856 | ng/ul  | 93       |
| 43) 1,1'-Biphenyl             | 13.416 | 154  | 146590   | 4.284 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.457 | 162  | 113725   | 4.254 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.663 | 65   | 28734    | 4.055 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.046 | 163  | 153190   | 4.304 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.169 | 165  | 21982    | 3.820 | ng/ul  | 92       |
| 50) Acenaphthylene            | 14.298 | 152  | 191515   | 4.193 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.493 | 138  | 23956    | 3.832 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.640 | 153  | 125471   | 4.185 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.698 | 184  | 11898    | 4.838 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.793 | 109  | 26606    | 4.774 | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.981 | 168  | 173444   | 4.278 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.951 | 165  | 32997    | 3.915 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.198 | 232  | 23638    | 3.480 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.416 | 149  | 150889   | 4.064 | ng/ul  | 98       |
| 61) Fluorene                  | 15.628 | 166  | 147396   | 4.198 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.628 | 204  | 72372    | 4.218 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.651 | 138  | 26476m   | 4.301 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.704 | 198  | 18276    | 3.927 | ng/ul# | 75       |
| 67) N-Nitrosodiphenylamine    | 15.845 | 169  | 121318   | 4.163 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.528 | 248  | 31285    | 2.912 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.622 | 284  | 52314    | 4.046 | ng/ul  | 94       |
| 70) Atrazine                  | 16.804 | 200  | 49130    | 4.440 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.969 | 266  | 25976    | 3.719 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.375 | 178  | 238883   | 4.284 | ng/ul  | 98       |
| 74) Anthracene                | 17.463 | 178  | 232914   | 4.023 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.375 | 216  | 54662    | 4.207 | ng/uL  | 94       |
| 76) Pentachlorobenzene        | 14.887 | 250  | 61689    | 4.586 | ng/uL  | 95       |
| 77) Carbazole                 | 17.739 | 167  | 205749   | 3.843 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.322 | 149  | 236551   | 3.623 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.392 | 202  | 260317   | 4.041 | ng/ul  | 99       |
| 82) Pyrene                    | 19.757 | 202  | 292334   | 4.273 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.680 | 149  | 90593    | 3.386 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.451 | 252  | 89124    | 3.916 | ng/ul# | 95       |
| 85) Benzo(a)anthracene        | 21.516 | 228  | 300580   | 4.158 | ng/ul  | 95       |
| 86) Bis(2-ethylhexyl)phtha... | 21.469 | 149  | 151438   | 3.428 | ng/ul  | 98       |
| 87) Chrysene                  | 21.569 | 228  | 269315   | 4.028 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.416 | 149  | 231182   | 2.930 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.204 | 252  | 290939   | 4.099 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.257 | 252  | 290321   | 4.104 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.833 | 252  | 276416   | 4.107 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.439 | 276  | 322400   | 3.785 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.474 | 278  | 270348   | 3.806 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.204 | 276  | 255305   | 3.753 | ng/ul  | 98       |

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

