

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092724\  
 Data File : BP022077.D  
 Acq On : 27 Sep 2024 13:21  
 Operator : RC/JU  
 Sample : P3391-06  
 Misc : SFAM-MDL-ME SOIL-02  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-MED-SOIL-QT3-2024-06

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

Quant Time: Sep 27 13:49:06 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 24 15:23:13 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.651  | 152  | 119586   | 20.000 | ng/u1  | -0.06    |
| 20) Naphthalene-d8            | 10.416 | 136  | 445814   | 20.000 | ng/u1  | -0.05    |
| 38) Acenaphthene-d10          | 14.292 | 164  | 331789   | 20.000 | ng/u1  | -0.03    |
| 64) Phenanthrene-d10          | 17.104 | 188  | 840729   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.545 | 240  | 960075   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.827 | 264  | 1041362  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.193  | 96   | 13301    | 4.357  | ng/uL  | -0.03    |
| 4) Pyridine-d5                | 3.599  | 84   | 196503   | 22.517 | ng/u1  | -0.04    |
| 7) Phenol-d5                  | 6.834  | 99   | 220440   | 22.535 | ng/u1  | -0.06    |
| 9) Bis-(2-Chloroethyl)eth...  | 6.993  | 67   | 132742   | 22.037 | ng/u1  | -0.05    |
| 11) 2-Chlorophenol-d4         | 7.193  | 132  | 158329   | 22.370 | ng/u1  | -0.05    |
| 15) 4-Methylphenol-d8         | 8.351  | 113  | 154798   | 19.970 | ng/u1  | -0.05    |
| 21) Nitrobenzene-d5           | 8.793  | 128  | 79384    | 23.791 | ng/u1  | -0.05    |
| 24) 2-Nitrophenol-d4          | 9.510  | 143  | 89194    | 23.575 | ng/u1  | -0.05    |
| 28) 2,4-Dichlorophenol-d3     | 10.045 | 165  | 182084   | 22.162 | ng/u1  | -0.05    |
| 31) 4-Chloroaniline-d4        | 10.551 | 131  | 199082   | 20.308 | ng/u1  | -0.05    |
| 46) Dimethylphthalate-d6      | 13.692 | 166  | 578458   | 22.554 | ng/u1  | -0.03    |
| 49) Acenaphthylene-d8         | 13.980 | 160  | 621448   | 22.886 | ng/u1  | -0.02    |
| 54) 4-Nitrophenol-d4          | 14.498 | 143  | 83165    | 18.957 | ng/u1  | -0.03    |
| 60) Fluorene-d10              | 15.304 | 176  | 514674   | 22.686 | ng/u1  | -0.02    |
| 65) 4,6-Dinitro-2-methylph... | 15.422 | 200  | 88821    | 17.017 | ng/u1  | -0.02    |
| 73) Anthracene-d10            | 17.198 | 188  | 718394   | 18.304 | ng/u1  | -0.02    |
| 81) Pyrene-d10                | 19.586 | 212  | 1109807  | 22.312 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.598 | 264  | 1263654  | 23.071 | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.228  | 88   | 3346     | 1.012  | ng/uL  | 97       |
| 5) Pyridine                   | 3.616  | 79   | 36669    | 4.136  | ng/u1# | 62       |
| 6) Benzaldehyde               | 6.804  | 77   | 29160    | 5.270  | ng/u1  | 98       |
| 8) Phenol                     | 6.857  | 94   | 42683    | 4.181  | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.081  | 93   | 33707    | 4.314  | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.222  | 128  | 32101    | 4.375  | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.093  | 108  | 27753    | 3.748  | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.169  | 45   | 31653    | 4.367  | ng/u1  | 97       |
| 16) Acetophenone              | 8.463  | 105  | 55093    | 4.273  | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.445  | 70   | 27550    | 4.122  | ng/u1# | 97       |
| 18) 4-Methylphenol            | 8.410  | 108  | 31226    | 3.868  | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.722  | 117  | 14377    | 4.151  | ng/u1  | 95       |
| 22) Nitrobenzene              | 8.834  | 77   | 47199    | 4.627  | ng/u1  | 97       |
| 23) Isophorone                | 9.363  | 82   | 74363    | 4.208  | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.540  | 139  | 18499    | 4.570  | ng/u1  | 93       |
| 26) 2,4-Dimethylphenol        | 9.604  | 107  | 14929    | 1.628  | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.834  | 93   | 43688    | 4.289  | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.069 | 162  | 35512    | 4.350  | ng/u1  | 93       |
| 30) Naphthalene               | 10.469 | 128  | 105548   | 4.500  | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 10.575 | 127  | 39148    | 4.032  | ng/u1# | 87       |
| 33) Hexachlorobutadiene       | 10.757 | 225  | 32750    | 4.519  | ng/u1  | 96       |
| 34) Caprolactam               | 11.357 | 113  | 13640    | 5.508  | ng/u1  | 95       |
| 35) 4-Chloro-3-methylphenol   | 11.710 | 107  | 33057    | 3.743  | ng/u1  | 94       |
| 36) 2-Methylnaphthalene       | 12.081 | 142  | 74032    | 4.247  | ng/u1  | 97       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.310 | 142  | 75763    | 4.309 | ng/ul  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.457 | 216  | 55472    | 4.509 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.439 | 237  | 21522    | 2.781 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.704 | 196  | 29684    | 4.037 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.775 | 196  | 32314    | 4.058 | ng/ul  | 100      |
| 43) 1,1'-Biphenyl             | 13.104 | 154  | 107052   | 4.512 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.145 | 162  | 87613    | 4.586 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.357 | 65   | 20731    | 3.753 | ng/ul  | 92       |
| 47) Dimethylphthalate         | 13.733 | 163  | 113828   | 4.419 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.857 | 165  | 19236    | 3.895 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.004 | 152  | 131354   | 4.639 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.198 | 138  | 15796    | 3.513 | ng/ul  | 100      |
| 52) Acenaphthene              | 14.351 | 153  | 90198    | 4.384 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.404 | 184  | 9742     | 2.899 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.516 | 109  | 19931    | 4.016 | ng/ul  | 89       |
| 56) Dibenzofuran              | 14.698 | 168  | 134602   | 4.400 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.663 | 165  | 29821    | 3.918 | ng/ul# | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.933 | 232  | 32283    | 4.212 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.128 | 149  | 107138   | 4.202 | ng/ul  | 97       |
| 61) Fluorene                  | 15.363 | 166  | 110214   | 4.332 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.357 | 204  | 63958    | 4.367 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.380 | 138  | 17212    | 3.761 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.433 | 198  | 19939    | 3.509 | ng/ul# | 79       |
| 67) N-Nitrosodiphenylamine    | 15.575 | 169  | 88162    | 3.981 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 16.269 | 248  | 43171    | 4.276 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.392 | 284  | 53655    | 4.377 | ng/ul  | 99       |
| 70) Atrazine                  | 16.545 | 200  | 40641    | 4.114 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 16.751 | 266  | 40601    | 4.964 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.145 | 178  | 192706   | 4.372 | ng/ul  | 99       |
| 74) Anthracene                | 17.233 | 178  | 165077   | 3.680 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.069 | 216  | 53446    | 4.236 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.622 | 250  | 61515    | 4.434 | ng/uL  | 96       |
| 77) Carbazole                 | 17.521 | 167  | 156675   | 3.963 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.121 | 149  | 173016   | 3.796 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.239 | 202  | 242373   | 4.263 | ng/ul  | 99       |
| 82) Pyrene                    | 19.616 | 202  | 262303   | 4.286 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.580 | 149  | 82293    | 3.859 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.439 | 252  | 71210    | 3.239 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.521 | 228  | 279664   | 4.227 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.462 | 149  | 118169   | 3.777 | ng/ul  | 98       |
| 87) Chrysene                  | 21.586 | 228  | 271521   | 4.373 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.709 | 149  | 189867   | 3.691 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.780 | 252  | 298994   | 4.625 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.845 | 252  | 291020   | 4.517 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.668 | 252  | 262315   | 4.404 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.544 | 276  | 350468m  | 4.512 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.621 | 278  | 287015   | 4.587 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 29.697 | 276  | 284838m  | 4.726 | ng/ul  |          |

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

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