

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081822\  
 Data File : BG054654.D  
 Acq On : 18 Aug 2022 15:37  
 Operator : CG/JU  
 Sample : N3670-05  
 Misc : SOIL-MDL-MED-4ppm  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-MED-SOIL-QT2-2022-03

Quant Time: Aug 18 16:11:50 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG081722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 18 03:22:26 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.164  | 152  | 65193    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.990 | 136  | 282830   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.798 | 164  | 184669   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.541 | 188  | 414859   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.842 | 240  | 397407   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.227 | 264  | 412056   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.511  | 96   | 7332     | 4.449  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.940  | 84   | 92770    | 18.889 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.300  | 99   | 119725   | 21.600 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.483  | 67   | 76849    | 21.668 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.688  | 132  | 87636    | 22.355 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.857  | 113  | 94520    | 22.574 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.333  | 128  | 41556    | 23.408 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.062 | 143  | 35354    | 22.243 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.597 | 165  | 86984    | 20.875 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.120 | 131  | 126262   | 21.108 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.192 | 166  | 284448   | 22.417 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.492 | 160  | 359989   | 23.695 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.962 | 143  | 42204    | 21.047 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.785 | 176  | 248910   | 21.633 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.885 | 200  | 25684    | 18.180 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.641 | 188  | 388691   | 21.541 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.921 | 212  | 446758   | 21.672 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.991 | 264  | 434542   | 21.475 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.546  | 88   | 1883     | 1.014  | ng/uL# | 84       |
| 5) Pyridine                   | 3.963  | 79   | 20072    | 4.091  | ng/u1  | 98       |
| 6) Benzaldehyde               | 7.295  | 77   | 14940    | 5.511  | ng/u1  | 96       |
| 8) Phenol                     | 7.324  | 94   | 22631    | 4.099  | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.577  | 93   | 18200    | 4.053  | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.723  | 128  | 16347    | 3.882  | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.593  | 108  | 15945    | 3.779  | ng/u1  | 87       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.687  | 45   | 29462    | 4.005  | ng/u1  | 99       |
| 16) Acetophenone              | 8.993  | 105  | 27192    | 4.163  | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.969  | 70   | 14701    | 4.141  | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.922  | 108  | 17535    | 3.982  | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.257  | 117  | 6814     | 3.972  | ng/u1  | 91       |
| 22) Nitrobenzene              | 9.375  | 77   | 18758    | 4.018  | ng/u1# | 95       |
| 23) Isophorone                | 9.897  | 82   | 39269    | 3.882  | ng/u1  | 100      |
| 25) 2-Nitrophenol             | 10.091 | 139  | 7664     | 4.087  | ng/u1  | 94       |
| 26) 2,4-Dimethylphenol        | 10.138 | 107  | 19303    | 3.846  | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.379 | 93   | 24457    | 3.927  | ng/u1  | 96       |
| 29) 2,4-Dichlorophenol        | 10.626 | 162  | 16164    | 4.021  | ng/u1  | 96       |
| 30) Naphthalene               | 11.043 | 128  | 56859    | 3.900  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.143 | 127  | 23866    | 3.901  | ng/u1  | 95       |
| 33) Hexachlorobutadiene       | 11.319 | 225  | 11901    | 3.946  | ng/u1  | 98       |
| 34) Caprolactam               | 11.913 | 113  | 6084     | 4.435  | ng/u1  | 88       |
| 35) 4-Chloro-3-methylphenol   | 12.242 | 107  | 16368    | 3.734  | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.635 | 142  | 39587    | 3.980  | ng/u1  | 100      |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 18 03:22:26 2022  
 Response via : Initial Calibration

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|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.853 | 142  | 40863    | 4.135 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.994 | 216  | 22357    | 3.978 | ng/ul  | 93       |
| 40) Hexachlorocyclopentadiene | 12.976 | 237  | 12405    | 3.478 | ng/ul# | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.229 | 196  | 11828    | 3.585 | ng/ul  | 93       |
| 42) 2,4,5-Trichlorophenol     | 13.293 | 196  | 13034    | 3.629 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.634 | 154  | 54478    | 4.086 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.675 | 162  | 41753    | 4.133 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.875 | 65   | 8931     | 3.769 | ng/ul  | 96       |
| 47) Dimethylphthalate         | 14.239 | 163  | 53245    | 4.156 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.363 | 165  | 7335     | 3.658 | ng/ul  | 92       |
| 50) Acenaphthylene            | 14.521 | 152  | 67746    | 4.029 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.686 | 138  | 8372     | 3.925 | ng/ul  | 93       |
| 52) Acenaphthene              | 14.856 | 153  | 44773    | 4.006 | ng/ul  | 95       |
| 53) 2,4-Dinitrophenol         | 14.892 | 184  | 3740     | 3.736 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.974 | 109  | 6883     | 4.171 | ng/ul  | 87       |
| 56) Dibenzofuran              | 15.191 | 168  | 64650    | 4.200 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.144 | 165  | 10592    | 3.896 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.409 | 232  | 10537    | 3.644 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.597 | 149  | 56804    | 4.468 | ng/ul  | 99       |
| 61) Fluorene                  | 15.843 | 166  | 52851    | 4.211 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.832 | 204  | 27786    | 4.322 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.849 | 138  | 8410     | 4.227 | ng/ul  | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.902 | 198  | 6284     | 4.169 | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine    | 16.037 | 169  | 44995    | 4.016 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.725 | 248  | 18265    | 4.270 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.836 | 284  | 19784    | 4.054 | ng/ul  | 98       |
| 70) Atrazine                  | 16.983 | 200  | 16147    | 3.791 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 17.177 | 266  | 10898    | 4.041 | ng/ul  | 97       |
| 72) Phenanthrene              | 17.583 | 178  | 87353    | 4.233 | ng/ul  | 99       |
| 74) Anthracene                | 17.677 | 178  | 86279    | 4.151 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.599 | 216  | 23615    | 3.960 | ng/uL  | 96       |
| 76) Pentachlorobenzene        | 15.109 | 250  | 24678    | 4.344 | ng/uL  | 98       |
| 77) Carbazole                 | 17.941 | 167  | 74989    | 4.075 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.493 | 149  | 90553    | 4.207 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.586 | 202  | 105022   | 4.073 | ng/ul  | 98       |
| 82) Pyrene                    | 19.950 | 202  | 103519   | 4.039 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.832 | 149  | 34840    | 3.970 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.725 | 252  | 30463    | 3.539 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.819 | 228  | 98939    | 4.006 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.719 | 149  | 55268    | 4.194 | ng/ul  | 97       |
| 87) Chrysene                  | 21.889 | 228  | 94386    | 3.972 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.000 | 149  | 94771    | 4.148 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.134 | 252  | 101441   | 3.897 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.210 | 252  | 96539    | 4.003 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 25.062 | 252  | 95332    | 3.813 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.104 | 276  | 113383   | 3.860 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 29.181 | 278  | 97203    | 3.915 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 30.321 | 276  | 95221    | 3.886 | ng/ul  | 99       |

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

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