Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011023\
Data File : BG056242.D
Acq On : 10 Jan 2023 13:56
Operator : CG/JU
Sample : N4239-06
Misc : SFAM-MDL-MES-02-4PPM
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MDL-MED-SOIL-QT3-2022-06

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 01/11/2023
Supervised By :mohammad ahmed 01/12/2023

Quant Time: Jan 10 14:31:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG010423.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 05 01:03:13 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.330 | 152 | 62047 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.162 | 136 | 239621 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.940 | 164 | 202506 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.678 | 188 | 508709 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.973 | 240 | 489819 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 25.433 | 264 | 504908 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.629 | 96 | 6119 | 4.467 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 4.064 | 84 | 56918 | 13.006 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.454 | 99 | 95319 | 17.413 | ng/ul | -0.01 |
| 9) Bis-(2-Chloroethyl)eth... | 7.636 | 67 | 41746 | 18.598 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.854 | 132 | 64736 | 17.675 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 9.017 | 113 | 71661 | 16.430 | ng/ul | -0.01 |
| 21) Nitrobenzene-d5 | 9.505 | 128 | 34201 | 18.075 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.227 | 143 | 44636 | 18.038 | ng/ul | -0.01 |
| 28) 2,4-Dichlorophenol-d3 | 10.774 | 165 | 85366 | 17.306 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.285 | 131 | 95934 | 17.282 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.329 | 166 | 282787 | 17.599 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.640 | 160 | 312970 | 17.731 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.104 | 143 | 40404 | 15.929 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.927 | 176 | 264562 | 17.627 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 16.027 | 200 | 53428 | 14.948 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.777 | 188 | 407150 | 17.414 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 20.040 | 212 | 502733 | 17.542 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.192 | 264 | 476863 | 18.417 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.670 | 88 | 1926 | 1.261 | ng/uL# | 94 |
| 5) Pyridine | 4.088 | 79 | 16015m | 3.738 | ng/ul | |
| 6) Benzaldehyde | 7.454 | 77 | 9955m | 5.184 | ng/ul | |
| 8) Phenol | 7.484 | 94 | 22401 | 4.144 | ng/ul# | 94 |
| 10) Bis(2-Chloroethyl)ether | 7.730 | 93 | 16521 | 4.414 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.883 | 128 | 14316 | 3.975 | ng/ul# | 88 |
| 13) 2-Methylphenol | 8.759 | 108 | 16452 | 3.961 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.841 | 45 | 2899 | 4.262 | ng/ul | 91 |
| 16) Acetophenone | 9.152 | 105 | 26746 | 3.986 | ng/ul | 88 |
| 17) N-Nitroso-di-n-propyla... | 9.129 | 70 | 12762 | 4.293 | ng/ul | 96 |
| 18) 4-Methylphenol | 9.082 | 108 | 17388 | 3.855 | ng/ul | 98 |
| 19) Hexachloroethane | 9.428 | 117 | 6503 | 4.639 | ng/ul# | 90 |
| 22) Nitrobenzene | 9.546 | 77 | 19119 | 4.450 | ng/ul | 90 |
| 23) Isophorone | 10.063 | 82 | 36926 | 4.077 | ng/ul | 95 |
| 25) 2-Nitrophenol | 10.257 | 139 | 9766 | 4.090 | ng/ul | 91 |
| 26) 2,4-Dimethylphenol | 10.304 | 107 | 18907 | 3.866 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 10.539 | 93 | 21627 | 4.263 | ng/ul | 94 |
| 29) 2,4-Dichlorophenol | 10.797 | 162 | 19173 | 4.123 | ng/ul | 94 |
| 30) Naphthalene | 11.209 | 128 | 53904 | 4.298 | ng/ul | 100 |
| 32) 4-Chloroaniline | 11.309 | 127 | 22821 | 4.024 | ng/ul | 91 |
| 33) Hexachlorobutadiene | 11.491 | 225 | 18133 | 4.545 | ng/ul | 90 |
| 34) Caprolactam | 12.049 | 113 | 6903m | 4.729 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.401 | 107 | 18111 | 3.969 | ng/ul | 93 |
| 36) 2-Methylnaphthalene | 12.789 | 142 | 41410 | 4.323 | ng/ul | 95 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011023\
Data File : BG056242.D
Acq On : 10 Jan 2023 13:56
Operator : CG/JU
Sample : N4239-06
Misc : SFAM-MDL-MES-02-4PPM
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 10 14:31:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG010423.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 05 01:03:13 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
MDL-MED-SOIL-QT3-2022-06

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 01/11/2023
Supervised By :mohammad ahmed 01/12/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 13.012 | 142 | 37529 | 3.809 | ng/ul# | 95 |
| 39) 1,2,4,5-Tetrachloroben... | 13.153 | 216 | 33739 | 4.304 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 13.124 | 237 | 16467 | 3.090 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 13.383 | 196 | 20137 | 4.046 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 13.453 | 196 | 21436 | 3.960 | ng/ul | 94 |
| 43) 1,1'-Biphenyl | 13.776 | 154 | 63275 | 4.341 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.829 | 162 | 52855 | 4.421 | ng/ul | 98 |
| 45) 2-Nitroaniline | 14.017 | 65 | 8820 | 3.866 | ng/ul | 97 |
| 47) Dimethylphthalate | 14.376 | 163 | 65171 | 4.104 | ng/ul | 97 |
| 48) 2,6-Dinitrotoluene | 14.499 | 165 | 13067 | 3.919 | ng/ul | 98 |
| 50) Acenaphthylene | 14.669 | 152 | 73434 | 4.107 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.834 | 138 | 11140 | 4.411 | ng/ul | 99 |
| 52) Acenaphthene | 15.004 | 153 | 52760 | 4.265 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 15.040 | 184 | 9312 | 3.905 | ng/ul# | 84 |
| 55) 4-Nitrophenol | 15.116 | 109 | 8609 | 3.628 | ng/ul | 92 |
| 56) Dibenzofuran | 15.333 | 168 | 82917 | 4.336 | ng/ul | 96 |
| 57) 2,4-Dinitrotoluene | 15.286 | 165 | 18026 | 3.794 | ng/ul | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.557 | 232 | 19954 | 3.807 | ng/ul# | 93 |
| 59) Diethylphthalate | 15.727 | 149 | 60831 | 4.120 | ng/ul | 99 |
| 61) Fluorene | 15.980 | 166 | 63316 | 4.111 | ng/ul | 97 |
| 62) 4-Chlorophenyl-phenyle... | 15.962 | 204 | 38964 | 4.046 | ng/ul | 100 |
| 63) 4-Nitroaniline | 15.985 | 138 | 10405 | 4.504 | ng/ul | 92 |
| 66) 4,6-Dinitro-2-methylph... | 16.044 | 198 | 14447 | 4.235 | ng/ul# | 88 |
| 67) N-Nitrosodiphenylamine | 16.173 | 169 | 56922 | 4.193 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.855 | 248 | 26827 | 4.111 | ng/ul | 93 |
| 69) Hexachlorobenzene | 16.978 | 284 | 27992 | 4.332 | ng/ul | 95 |
| 70) Atrazine | 17.102 | 200 | 28906 | 4.671 | ng/ul | 97 |
| 71) Pentachlorophenol | 17.325 | 266 | 14025m | 3.403 | ng/ul | |
| 72) Phenanthrene | 17.719 | 178 | 109026 | 4.204 | ng/ul | 98 |
| 74) Anthracene | 17.813 | 178 | 107728 | 4.091 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.753 | 216 | 31516 | 4.111 | ng/uL | 95 |
| 76) Pentachlorobenzene | 15.257 | 250 | 30041 | 3.829 | ng/uL | 94 |
| 77) Carbazole | 18.071 | 167 | 92224 | 4.267 | ng/ul | 97 |
| 78) Di-n-butylphthalate | 18.606 | 149 | 91332 | 4.004 | ng/ul | 98 |
| 80) Fluoranthene | 19.710 | 202 | 140204 | 4.137 | ng/ul | 99 |
| 82) Pyrene | 20.069 | 202 | 139690 | 4.121 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.927 | 149 | 40310 | 4.055 | ng/ul | 97 |
| 84) 3,3'-Dichlorobenzidine | 21.855 | 252 | 54377 | 4.695 | ng/ul# | 98 |
| 85) Benzo(a)anthracene | 21.955 | 228 | 143214 | 4.240 | ng/ul | 100 |
| 86) Bis(2-ethylhexyl)phtha... | 21.820 | 149 | 57427 | 3.995 | ng/ul | 95 |
| 87) Chrysene | 22.025 | 228 | 134739 | 4.290 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 23.107 | 149 | 98602 | 4.254 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.323 | 252 | 146006 | 4.331 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 24.393 | 252 | 145995m | 4.426 | ng/ul | |
| 93) Benzo(a)pyrene | 25.269 | 252 | 126367 | 4.282 | ng/ul | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 29.399 | 276 | 169665 | 4.370 | ng/ul# | 98 |
| 95) Dibenzo(a,h)anthracene | 29.470 | 278 | 144264 | 4.446 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 30.645 | 276 | 139347m | 4.440 | ng/ul | |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011023\
Data File : BG056242.D
Acq On : 10 Jan 2023 13:56
Operator : CG/JU
Sample : N4239-06
Misc : SFAM-MDL-MES-02-4PPM
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 10 14:31:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG010423.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 05 01:03:13 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
MDL-MED-SOIL-QT3-2022-06

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 01/11/2023
Supervised By :mohammad ahmed 01/12/2023