Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049901.D
Acq On : 19 Aug 2021 20:20
Operator : CG/JU
Sample : M2250-05
Misc : SFAM-MDL-ME-SOIL-01
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 00:56:44 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 19 13:35:17 2021
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
MDL-MED-SOIL-QT3-2021-05

**Manual Integrations APPROVED**
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.979 | 152 | 32390 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.799 | 136 | 131146 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.635 | 164 | 93119 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.384 | 188 | 212653 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.655 | 240 | 214052 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.885 | 264 | 205033 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.350 | 96 | 2764 | 4.400 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.773 | 84 | 30084 | 15.901 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.145 | 99 | 58935 | 21.427 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.298 | 67 | 35290 | 23.095 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.509 | 132 | 44947 | 21.840 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.696 | 113 | 44778 | 20.672 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.148 | 128 | 23989 | 23.594 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.870 | 143 | 27388 | 22.622 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.423 | 165 | 46518 | 21.542 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.934 | 131 | 60386 | 20.545 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.035 | 166 | 164516 | 23.085 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.329 | 160 | 192518 | 23.040 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.852 | 143 | 20096 | 19.490 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.627 | 176 | 136570 | 22.602 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.757 | 200 | 26953 | 19.701 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.484 | 188 | 219157 | 22.950 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.775 | 212 | 257262 | 22.241 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.662 | 264 | 261097 | 24.003 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.391 | 88 | 945m | 1.234 | ng/uL | |
| 5) Pyridine | 3.796 | 79 | 8414m | 4.115 | ng/ul | |
| 6) Benzaldehyde | 7.110 | 77 | 7952 | 5.024 | ng/ul | 90 |
| 8) Phenol | 7.174 | 94 | 11323 | 4.076 | ng/ul | 94 |
| 10) Bis(2-Chloroethyl)ether | 7.397 | 93 | 7718 | 4.024 | ng/ul | 96 |
| 12) 2-Chlorophenol | 7.550 | 128 | 8571 | 4.215 | ng/ul# | 89 |
| 13) 2-Methylphenol | 8.425 | 108 | 8329 | 3.886 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.514 | 45 | 8315 | 4.135 | ng/ul | 97 |
| 16) Acetophenone | 8.807 | 105 | 14996 | 4.245 | ng/ul | 94 |
| 17) N-Nitroso-di-n-propyla... | 8.784 | 70 | 8492 | 4.788 | ng/ul | 94 |
| 18) 4-Methylphenol | 8.760 | 108 | 9719 | 4.215 | ng/ul | 96 |
| 19) Hexachloroethane | 9.066 | 117 | 4491 | 5.046 | ng/ul# | 83 |
| 22) Nitrobenzene | 9.195 | 77 | 12723m | 4.618 | ng/ul | |
| 23) Isophorone | 9.712 | 82 | 21216 | 4.322 | ng/ul | 96 |
| 25) 2-Nitrophenol | 9.906 | 139 | 4621m | 3.926 | ng/ul | |
| 26) 2,4-Dimethylphenol | 9.964 | 107 | 11675 | 4.463 | ng/ul# | 87 |
| 27) Bis(2-Chloroethoxy)met... | 10.199 | 93 | 11401 | 4.498 | ng/ul# | 90 |
| 29) 2,4-Dichlorophenol | 10.452 | 162 | 9043 | 4.563 | ng/ul | 94 |
| 30) Naphthalene | 10.846 | 128 | 28891 | 4.407 | ng/ul# | 90 |
| 32) 4-Chloroaniline | 10.957 | 127 | 11881 | 4.197 | ng/ul | 95 |
| 33) Hexachlorobutadiene | 11.133 | 225 | 6804 | 4.244 | ng/ul# | 81 |
| 34) Caprolactam | 11.739 | 113 | 2561m | 3.689 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.097 | 107 | 10683 | 4.510 | ng/ul# | 81 |
| 36) 2-Methylnaphthalene | 12.461 | 142 | 22436 | 4.604 | ng/ul | 95 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.678 | 142 | 21922 | 4.457 | ng/ul# | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 12.831 | 216 | 12745 | 4.660 | ng/ul# | 89 |
| 40) Hexachlorocyclopentadiene | 12.802 | 237 | 7920 | 6.470 | ng/ul# | 78 |
| 41) 2,4,6-Trichlorophenol | 13.072 | 196 | 7400 | 4.246 | ng/ul# | 94 |
| 42) 2,4,5-Trichlorophenol | 13.154 | 196 | 7582 | 4.151 | ng/ul# | 95 |
| 43) 1,1'-Biphenyl | 13.466 | 154 | 28175 | 4.331 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.507 | 162 | 23007 | 4.403 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.718 | 65 | 7432 | 4.189 | ng/ul | 95 |
| 47) Dimethylphthalate | 14.082 | 163 | 31685 | 4.493 | ng/ul# | 97 |
| 48) 2,6-Dinitrotoluene | 14.212 | 165 | 6374 | 4.377 | ng/ul | 90 |
| 50) Acenaphthylene | 14.359 | 152 | 34627 | 4.534 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.547 | 138 | 6367 | 4.531 | ng/ul# | 79 |
| 52) Acenaphthene | 14.699 | 153 | 25276 | 4.563 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.770 | 184 | 3813m | 5.127 | ng/ul | |
| 55) 4-Nitrophenol | 14.864 | 109 | 4791m | 3.665 | ng/ul | |
| 56) Dibenzofuran | 15.034 | 168 | 33499 | 4.366 | ng/ul | 95 |
| 57) 2,4-Dinitrotoluene | 15.005 | 165 | 9246 | 4.414 | ng/ul# | 90 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.269 | 232 | 5917 | 3.909 | ng/ul# | 95 |
| 59) Diethylphthalate | 15.445 | 149 | 32921 | 4.563 | ng/ul# | 97 |
| 61) Fluorene | 15.680 | 166 | 28466 | 4.398 | ng/ul | 95 |
| 62) 4-Chlorophenyl-phenyle... | 15.674 | 204 | 15979 | 4.666 | ng/ul | 96 |
| 63) 4-Nitroaniline | 15.704 | 138 | 6956m | 4.961 | ng/ul | |
| 66) 4,6-Dinitro-2-methylph... | 15.774 | 198 | 5100 | 4.113 | ng/ul# | 84 |
| 67) N-Nitrosodiphenylamine | 15.886 | 169 | 23469 | 4.192 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.567 | 248 | 10109 | 4.297 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.691 | 284 | 11505 | 4.235 | ng/ul | 97 |
| 70) Atrazine | 16.832 | 200 | 11753 | 4.725 | ng/ul | 96 |
| 71) Pentachlorophenol | 17.061 | 266 | 5112m | 4.444 | ng/ul | |
| 72) Phenanthrene | 17.425 | 178 | 46408 | 4.378 | ng/ul | 96 |
| 74) Anthracene | 17.525 | 178 | 46345 | 4.314 | ng/ul | 96 |
| 75) 1,2,3,4-Tetrachloroben... | 13.436 | 216 | 11433 | 4.007 | ng/uL | 89 |
| 76) Pentachlorobenzene | 14.958 | 250 | 12513 | 4.139 | ng/uL | 97 |
| 77) Carbazole | 17.789 | 167 | 41457 | 4.337 | ng/ul# | 91 |
| 78) Di-n-butylphthalate | 18.341 | 149 | 55681 | 4.554 | ng/ul | 98 |
| 80) Fluoranthene | 19.440 | 202 | 60574 | 4.244 | ng/ul | 99 |
| 82) Pyrene | 19.804 | 202 | 61572 | 4.353 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.679 | 149 | 24212 | 4.338 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.555 | 252 | 22534 | 4.441 | ng/ul# | 99 |
| 85) Benzo(a)anthracene | 21.643 | 228 | 59098 | 4.431 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.531 | 149 | 33196 | 4.331 | ng/ul | 96 |
| 87) Chrysene | 21.702 | 228 | 55383 | 4.393 | ng/ul | 97 |
| 89) Di-n-octyl phthalate | 22.735 | 149 | 52729 | 4.335 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.852 | 252 | 57508 | 4.385 | ng/ul# | 99 |
| 91) Benzo(k)fluoranthene | 23.916 | 252 | 58022m | 4.654 | ng/ul | |
| 93) Benzo(a)pyrene | 24.733 | 252 | 49171 | 4.317 | ng/ul# | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 28.575 | 276 | 62473 | 4.158 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 28.616 | 278 | 53832 | 4.280 | ng/ul# | 96 |
| 96) Benzo(g,h,i)perylene | 29.726 | 276 | 54309m | 4.299 | ng/ul | |

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

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