Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121124\
Data File : BG063652.D
Acq On : 11 Dec 2024 14:39
Operator : RC/JU
Sample : SSTD01089
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 11 23:45:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:17:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel
12/12/2024
Supervised By :mohammad ahmed
12/12/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.814 | 152 | 156768 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.605 | 136 | 692429 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.453 | 164 | 522705 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.203 | 188 | 1237403 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.457 | 240 | 1202199 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.483 | 264 | 1296346 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.284 | 96 | 15183 | 4.276 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.689 | 84 | 108230 | 8.239 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.991 | 99 | 131571 | 8.524 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.144 | 67 | 94129 | 9.019 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.350 | 132 | 91109 | 10.020 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.525 | 113 | 107016 | 9.351 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.971 | 128 | 48287 | 9.935 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.688 | 143 | 50107 | 9.009 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.235 | 165 | 102598 | 8.567 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.740 | 131 | 130547 | 9.021 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.860 | 166 | 357041 | 9.399 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.142 | 160 | 397242 | 9.567 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.676 | 143 | 37817m | 7.774 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.446 | 176 | 311007 | 8.305 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.581 | 200 | 54554m | 7.804 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.303 | 188 | 539151 | 9.542 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.600 | 212 | 662644 | 9.944 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.271 | 264 | 591712 | 9.088 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.313 | 88 | 18582m | 3.930 | ng/uL | |
| 5) Pyridine | 3.707 | 79 | 125737 | 9.217 | ng/ul | 89 |
| 6) Benzaldehyde | 6.956 | 77 | 104780 | 10.608 | ng/ul | 92 |
| 8) Phenol | 7.021 | 94 | 142116 | 8.565 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 7.238 | 93 | 113933 | 9.939 | ng/ul | 92 |
| 12) 2-Chlorophenol | 7.385 | 128 | 93488 | 10.160 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.260 | 108 | 103189 | 8.912 | ng/ul | 88 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.331 | 45 | 172660 | 11.200 | ng/ul | 100 |
| 16) Acetophenone | 8.631 | 105 | 187376 | 8.894 | ng/ul | 94 |
| 17) N-Nitroso-di-n-propyla... | 8.613 | 70 | 107440 | 8.951 | ng/ul | 90 |
| 18) 4-Methylphenol | 8.584 | 108 | 110892 | 8.722 | ng/ul | 94 |
| 19) Hexachloroethane | 8.883 | 117 | 47725 | 9.706 | ng/ul | 91 |
| 22) Nitrobenzene | 9.013 | 77 | 155008 | 7.884 | ng/ul | 97 |
| 23) Isophorone | 9.530 | 82 | 300638 | 8.481 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.718 | 139 | 52239m | 9.426 | ng/ul | |
| 26) 2,4-Dimethylphenol | 9.788 | 107 | 125094 | 8.283 | ng/ul | 95 |
| 27) Bis(2-Chloroethoxy)met... | 10.011 | 93 | 164813 | 9.951 | ng/ul | 95 |
| 29) 2,4-Dichlorophenol | 10.258 | 162 | 103550 | 8.626 | ng/ul | 97 |
| 30) Naphthalene | 10.652 | 128 | 348668 | 9.782 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.763 | 127 | 119993 | 8.753 | ng/ul | 95 |
| 33) Hexachlorobutadiene | 10.940 | 225 | 83756 | 6.762 | ng/ul | 94 |
| 34) Caprolactam | 11.510 | 113 | 34231m | 8.711 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.903 | 107 | 120957 | 8.077 | ng/ul | 91 |
| 36) 2-Methylnaphthalene | 12.268 | 142 | 243546 | 8.863 | ng/ul | 97 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.485 | 142 | 256110 | 9.192 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.638 | 216 | 163809 | 8.061 | ng/ul | 91 |
| 40) Hexachlorocyclopentadiene | 12.620 | 237 | 39494 | 4.656 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 12.884 | 196 | 90837 | 9.064 | ng/ul | 93 |
| 42) 2,4,5-Trichlorophenol | 12.961 | 196 | 91874 | 8.497 | ng/ul | 96 |
| 43) 1,1'-Biphenyl | 13.284 | 154 | 344062 | 9.916 | ng/ul | 91 |
| 44) 2-Chloronaphthalene | 13.319 | 162 | 271778 | 9.504 | ng/ul | 97 |
| 45) 2-Nitroaniline | 13.531 | 65 | 83353 | 8.922 | ng/ul | 89 |
| 47) Dimethylphthalate | 13.907 | 163 | 348546 | 9.069 | ng/ul | 97 |
| 48) 2,6-Dinitrotoluene | 14.030 | 165 | 62247 | 8.778 | ng/ul | 99 |
| 50) Acenaphthylene | 14.171 | 152 | 429389 | 9.833 | ng/ul | 97 |
| 51) 3-Nitroaniline | 14.359 | 138 | 57844 | 9.679 | ng/ul# | 79 |
| 52) Acenaphthene | 14.518 | 153 | 311272 | 9.817 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.582 | 184 | 19402m | 5.543 | ng/ul | |
| 55) 4-Nitrophenol | 14.694 | 109 | 39474 | 5.282 | ng/ul | 86 |
| 56) Dibenzofuran | 14.853 | 168 | 439568 | 8.970 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 14.823 | 165 | 90444 | 8.087 | ng/ul# | 92 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.088 | 232 | 83646 | 8.271 | ng/ul | 95 |
| 59) Diethylphthalate | 15.276 | 149 | 336887 | 8.995 | ng/ul | 97 |
| 61) Fluorene | 15.505 | 166 | 353850 | 8.865 | ng/ul# | 93 |
| 62) 4-Chlorophenyl-phenyle... | 15.499 | 204 | 193719 | 7.536 | ng/ul | 97 |
| 63) 4-Nitroaniline | 15.528 | 138 | 54321m | 8.452 | ng/ul | |
| 66) 4,6-Dinitro-2-methylph... | 15.593 | 198 | 53742 | 7.700 | ng/ul# | 94 |
| 67) N-Nitrosodiphenylamine | 15.711 | 169 | 302190 | 10.428 | ng/ul | 97 |
| 68) 4-Bromophenyl-phenylether | 16.392 | 248 | 122329 | 8.366 | ng/ul | 92 |
| 69) Hexachlorobenzene | 16.515 | 284 | 142366 | 9.045 | ng/ul | 98 |
| 70) Atrazine | 16.662 | 200 | 124336 | 9.179 | ng/ul | 92 |
| 71) Pentachlorophenol | 16.868 | 266 | 44070m | 7.964 | ng/ul | |
| 72) Phenanthrene | 17.250 | 178 | 609260 | 9.996 | ng/ul | 97 |
| 74) Anthracene | 17.338 | 178 | 615119 | 9.773 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.249 | 216 | 163113 | 9.340 | ng/ul | 97 |
| 76) Pentachlorobenzene | 14.776 | 250 | 161454 | 8.849 | ng/ul | 95 |
| 77) Carbazole | 17.608 | 167 | 508369 | 10.081 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.172 | 149 | 596139 | 11.074 | ng/ul | 99 |
| 80) Fluoranthene | 19.265 | 202 | 754055 | 10.069 | ng/ul | 99 |
| 82) Pyrene | 19.629 | 202 | 805142 | 10.113 | ng/ul# | 95 |
| 83) Butylbenzylphthalate | 20.528 | 149 | 222377 | 13.265 | ng/ul | 95 |
| 84) 3,3'-Dichlorobenzidine | 21.363 | 252 | 219213 | 10.652 | ng/ul | 95 |
| 85) Benzo(a)anthracene | 21.439 | 228 | 765710 | 9.444 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.357 | 149 | 330314 | 13.105 | ng/ul | 99 |
| 87) Chrysene | 21.498 | 228 | 721747 | 9.476 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.491 | 149 | 592118 | 13.070 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.525 | 252 | 726873 | 9.026 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.584 | 252 | 744695 | 9.303 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.336 | 252 | 677730 | 8.973 | ng/ul | 95 |
| 94) Indeno(1,2,3-cd)pyrene | 27.879 | 276 | 824189m | 9.046 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 27.926 | 278 | 661188m | 9.048 | ng/ul | |
| 96) Benzo(g,h,i)perylene | 28.936 | 276 | 656213m | 9.476 | ng/ul | |

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

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