Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121421\
Data File : BG051537.D
Acq On : 15 Dec 2021 14:58
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020590

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/16/2021
Supervised By :Yogesh Patel 12/23/2021

Quant Time: Dec 15 23:24:17 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121421.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 14 14:19:57 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.282 | 152 | 31180 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.126 | 136 | 131116 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.915 | 164 | 99302 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.664 | 188 | 249553 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.981 | 240 | 237818 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 25.483 | 264 | 241675 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.606 | 96 | 5693 | 7.583 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 4.035 | 84 | 42958 | 18.937 | ng/ul | -0.01 |
| 7) Phenol-d5 | 7.413 | 99 | 52730 | 18.941 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.589 | 67 | 31379 | 18.960 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.806 | 132 | 38614 | 19.943 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.975 | 113 | 42233 | 19.625 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.451 | 128 | 18900 | 19.661 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.186 | 143 | 21263 | 20.234 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.732 | 165 | 46232 | 20.287 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.243 | 131 | 56079 | 18.691 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.309 | 166 | 147154 | 18.514 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.609 | 160 | 180302 | 18.266 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.073 | 143 | 23132 | 17.897 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.907 | 176 | 133384 | 18.731 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 16.001 | 200 | 19043 | 14.646 | ng/ul | -0.01 |
| 73) Anthracene-d10 | 17.764 | 188 | 223405 | 18.767 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 20.031 | 212 | 272986 | 19.072 | ng/ul | -0.01 |
| 92) Benzo(a)pyrene-d12 | 25.230 | 264 | 243704 | 19.165 | ng/ul | -0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.642 | 88 | 5744 | 7.331 | ng/uL# | 90 |
| 5) Pyridine | 4.053 | 79 | 43728 | 19.215 | ng/ul | 97 |
| 6) Benzaldehyde | 7.407 | 77 | 37228 | 21.433 | ng/ul | 96 |
| 8) Phenol | 7.436 | 94 | 53113 | 19.187 | ng/ul | 93 |
| 10) Bis(2-Chloroethyl)ether | 7.683 | 93 | 38646 | 18.299 | ng/ul | 94 |
| 12) 2-Chlorophenol | 7.842 | 128 | 37066 | 18.662 | ng/ul | 94 |
| 13) 2-Methylphenol | 8.711 | 108 | 38931 | 18.639 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.817 | 45 | 53371 | 18.631 | ng/ul# | 94 |
| 16) Acetophenone | 9.105 | 105 | 62179 | 18.395 | ng/ul | 93 |
| 17) N-Nitroso-di-n-propyla... | 9.087 | 70 | 37105 | 18.294 | ng/ul | 96 |
| 18) 4-Methylphenol | 9.040 | 108 | 42514 | 19.312 | ng/ul | 92 |
| 19) Hexachloroethane | 9.393 | 117 | 15820 | 18.255 | ng/ul# | 79 |
| 22) Nitrobenzene | 9.492 | 77 | 52986 | 18.951 | ng/ul# | 93 |
| 23) Isophorone | 10.027 | 82 | 102122 | 18.193 | ng/ul | 95 |
| 25) 2-Nitrophenol | 10.221 | 139 | 22089 | 19.665 | ng/ul | 97 |
| 26) 2,4-Dimethylphenol | 10.262 | 107 | 50086 | 18.507 | ng/ul | 94 |
| 27) Bis(2-Chloroethoxy)met... | 10.503 | 93 | 54563 | 18.306 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.755 | 162 | 43054 | 19.857 | ng/ul | 98 |
| 30) Naphthalene | 11.172 | 128 | 128864 | 18.243 | ng/ul# | 94 |
| 32) 4-Chloroaniline | 11.267 | 127 | 56085 | 18.306 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.466 | 225 | 32995 | 17.924 | ng/ul | 94 |
| 34) Caprolactam | 12.013 | 113 | 14708m | 22.405 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.365 | 107 | 48125 | 19.809 | ng/ul | 93 |
| 36) 2-Methylnaphthalene | 12.764 | 142 | 92840 | 18.422 | ng/ul | 100 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.982 | 142 | 97055 | 18.548 | ng/ul | 92 |
| 39) 1,2,4,5-Tetrachloroben... | 13.123 | 216 | 63938 | 18.511 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 13.111 | 237 | 48999 | 19.538 | ng/ul | 93 |
| 41) 2,4,6-Trichlorophenol | 13.352 | 196 | 40519 | 19.378 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 13.422 | 196 | 44880 | 20.480 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.751 | 154 | 136890 | 17.996 | ng/ul# | 95 |
| 44) 2-Chloronaphthalene | 13.798 | 162 | 106939 | 18.185 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.980 | 65 | 36604 | 20.375 | ng/ul | 97 |
| 47) Dimethylphthalate | 14.356 | 163 | 143806 | 18.637 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.474 | 165 | 29689 | 20.126 | ng/ul | 89 |
| 50) Acenaphthylene | 14.638 | 152 | 176840 | 18.310 | ng/ul | 97 |
| 51) 3-Nitroaniline | 14.803 | 138 | 30029 | 21.289 | ng/ul | 97 |
| 52) Acenaphthene | 14.979 | 153 | 114091 | 17.882 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 15.003 | 184 | 13404 | 15.719 | ng/ul# | 48 |
| 55) 4-Nitrophenol | 15.091 | 109 | 23766 | 17.138 | ng/ul | 89 |
| 56) Dibenzofuran | 15.314 | 168 | 171183 | 18.218 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 15.255 | 165 | 43533 | 20.822 | ng/ul# | 94 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.531 | 232 | 41973 | 20.154 | ng/ul# | 86 |
| 59) Diethylphthalate | 15.713 | 149 | 144494 | 17.976 | ng/ul | 97 |
| 61) Fluorene | 15.960 | 166 | 139180 | 17.977 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.948 | 204 | 80286 | 18.618 | ng/ul | 94 |
| 63) 4-Nitroaniline | 15.954 | 138 | 28940 | 20.005 | ng/ul | 86 |
| 66) 4,6-Dinitro-2-methylph... | 16.019 | 198 | 19442 | 15.226 | ng/ul# | 95 |
| 67) N-Nitrosodiphenylamine | 16.154 | 169 | 124982 | 18.620 | ng/ul | 96 |
| 68) 4-Bromophenyl-phenylether | 16.841 | 248 | 54383 | 21.398 | ng/ul# | 85 |
| 69) Hexachlorobenzene | 16.971 | 284 | 61016 | 19.105 | ng/ul# | 89 |
| 70) Atrazine | 17.094 | 200 | 56609 | 18.795 | ng/ul | 97 |
| 71) Pentachlorophenol | 17.305 | 266 | 38547 | 19.699 | ng/ul | 95 |
| 72) Phenanthrene | 17.705 | 178 | 236421 | 18.419 | ng/ul | 99 |
| 74) Anthracene | 17.799 | 178 | 237248 | 18.296 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.728 | 216 | 67254 | 17.518 | ng/uL | 97 |
| 76) Pentachlorobenzene | 15.238 | 250 | 70507 | 19.211 | ng/uL | 100 |
| 77) Carbazole | 18.057 | 167 | 215178 | 18.531 | ng/ul | 96 |
| 78) Di-n-butylphthalate | 18.610 | 149 | 250420 | 17.920 | ng/ul | 100 |
| 80) Fluoranthene | 19.702 | 202 | 311379 | 18.953 | ng/ul# | 90 |
| 82) Pyrene | 20.066 | 202 | 301345 | 18.534 | ng/ul# | 87 |
| 83) Butylbenzylphthalate | 20.942 | 149 | 103010 | 18.892 | ng/ul# | 93 |
| 84) 3,3'-Dichlorobenzidine | 21.858 | 252 | 107073 | 19.104 | ng/ul# | 96 |
| 85) Benzo(a)anthracene | 21.958 | 228 | 292262 | 18.889 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.852 | 149 | 143381 | 18.773 | ng/ul# | 99 |
| 87) Chrysene | 22.028 | 228 | 278643 | 18.641 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 23.168 | 149 | 240499 | 18.476 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.361 | 252 | 294165 | 18.172 | ng/ul# | 95 |
| 91) Benzo(k)fluoranthene | 24.437 | 252 | 280391 | 18.496 | ng/ul# | 96 |
| 93) Benzo(a)pyrene | 25.312 | 252 | 281576 | 18.431 | ng/ul# | 95 |
| 94) Indeno(1,2,3-cd)pyrene | 29.512 | 276 | 319280m | 19.143 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 29.589 | 278 | 272513 | 19.130 | ng/ul# | 92 |
| 96) Benzo(g,h,i)perylene | 30.764 | 276 | 266580 | 18.860 | ng/ul# | 88 |

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

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