Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092324\
Data File : BG063010.D
Acq On : 24 Sep 2024 3:02
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020505

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/26/2024

Quant Time: Sep 24 04:28:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 18 00:45:18 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.859 | 152 | 26750 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.644 | 136 | 130306 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.487 | 164 | 111878 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.236 | 188 | 285570 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.490 | 240 | 311757 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 24.534 | 264 | 363568 | 20.000 | ng/ul | 0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.323 | 96 | 5522 | 6.046 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.729 | 84 | 36432 | 14.694 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.025 | 99 | 58420 | 21.047 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.189 | 67 | 29312 | 18.870 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.389 | 132 | 38162 | 20.941 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.564 | 113 | 42173 | 20.740 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.011 | 128 | 16706 | 16.093 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.733 | 143 | 23294 | 19.779 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.268 | 165 | 47317 | 19.365 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.779 | 131 | 60838 | 20.006 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.893 | 166 | 161930 | 19.464 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.181 | 160 | 174640 | 18.794 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.692 | 143 | 25656 | 19.244 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.480 | 176 | 151919 | 19.611 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.603 | 200 | 37463 | 21.702 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.336 | 188 | 254526 | 18.859 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.634 | 212 | 335955 | 17.792 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.322 | 264 | 363319 | 18.949 | ng/ul | 0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.359 | 88 | 6236 | 6.900 | ng/uL# | 75 |
| 5) Pyridine | 3.752 | 79 | 36919 | 14.953 | ng/ul | 91 |
| 6) Benzaldehyde | 6.996 | 77 | 35908 | 23.637 | ng/ul# | 83 |
| 8) Phenol | 7.054 | 94 | 59054 | 20.394 | ng/ul# | 82 |
| 10) Bis(2-Chloroethyl)ether | 7.278 | 93 | 38555 | 19.693 | ng/ul | 91 |
| 12) 2-Chlorophenol | 7.424 | 128 | 37631 | 20.117 | ng/ul | 95 |
| 13) 2-Methylphenol | 8.300 | 108 | 40156 | 20.049 | ng/ul | 95 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.370 | 45 | 41442 | 17.061 | ng/ul | 96 |
| 16) Acetophenone | 8.670 | 105 | 71080 | 22.223 | ng/ul# | 88 |
| 17) N-Nitroso-di-n-propyla... | 8.658 | 70 | 40029 | 21.432 | ng/ul# | 95 |
| 18) 4-Methylphenol | 8.623 | 108 | 47510 | 21.674 | ng/ul | 95 |
| 19) Hexachloroethane | 8.934 | 117 | 14816 | 18.644 | ng/ul | 89 |
| 22) Nitrobenzene | 9.046 | 77 | 61259 | 19.877 | ng/ul# | 96 |
| 23) Isophorone | 9.569 | 82 | 115706 | 18.852 | ng/ul# | 93 |
| 25) 2-Nitrophenol | 9.763 | 139 | 25613 | 19.805 | ng/ul# | 73 |
| 26) 2,4-Dimethylphenol | 9.822 | 107 | 58007 | 20.019 | ng/ul | 92 |
| 27) Bis(2-Chloroethoxy)met... | 10.057 | 93 | 59546 | 18.250 | ng/ul | 94 |
| 29) 2,4-Dichlorophenol | 10.298 | 162 | 47253 | 19.535 | ng/ul | 93 |
| 30) Naphthalene | 10.691 | 128 | 141823 | 19.602 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.803 | 127 | 58989 | 19.924 | ng/ul | 94 |
| 33) Hexachlorobutadiene | 10.985 | 225 | 42468 | 21.966 | ng/ul# | 87 |
| 34) Caprolactam | 11.555 | 113 | 16979m | 21.085 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.937 | 107 | 63064 | 22.684 | ng/ul# | 90 |
| 36) 2-Methylnaphthalene | 12.307 | 142 | 104006 | 19.948 | ng/ul | 91 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.524 | 142 | 107778 | 20.426 | ng/ul | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 12.677 | 216 | 79688 | 20.098 | ng/ul | 89 |
| 40) Hexachlorocyclopentadiene | 12.659 | 237 | 45559 | 21.659 | ng/ul# | 87 |
| 41) 2,4,6-Trichlorophenol | 12.918 | 196 | 48870 | 19.780 | ng/ul | 89 |
| 42) 2,4,5-Trichlorophenol | 12.994 | 196 | 56187 | 21.646 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.318 | 154 | 155534 | 18.715 | ng/ul | 96 |
| 44) 2-Chloronaphthalene | 13.359 | 162 | 122110 | 18.282 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.564 | 65 | 47549 | 21.057 | ng/ul | 94 |
| 47) Dimethylphthalate | 13.940 | 163 | 172293 | 20.241 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.064 | 165 | 33353 | 20.535 | ng/ul# | 85 |
| 50) Acenaphthylene | 14.211 | 152 | 185242 | 18.935 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.393 | 138 | 29428 | 20.203 | ng/ul# | 82 |
| 52) Acenaphthene | 14.551 | 153 | 129821 | 18.270 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.604 | 184 | 20834 | 21.476 | ng/ul# | 85 |
| 55) 4-Nitrophenol | 14.710 | 109 | 34254 | 22.752 | ng/ul | 88 |
| 56) Dibenzofuran | 14.886 | 168 | 202297 | 19.198 | ng/ul | 90 |
| 57) 2,4-Dinitrotoluene | 14.857 | 165 | 51111 | 20.879 | ng/ul | 90 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.115 | 232 | 51610 | 22.095 | ng/ul# | 96 |
| 59) Diethylphthalate | 15.315 | 149 | 167707 | 17.707 | ng/ul | 98 |
| 61) Fluorene | 15.538 | 166 | 156906 | 19.461 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 93698 | 21.060 | ng/ul | 95 |
| 63) 4-Nitroaniline | 15.556 | 138 | 31796 | 21.751 | ng/ul# | 64 |
| 66) 4,6-Dinitro-2-methylph... | 15.621 | 198 | 40632 | 22.003 | ng/ul# | 91 |
| 67) N-Nitrosodiphenylamine | 15.750 | 169 | 149280 | 18.614 | ng/ul | 100 |
| 68) 4-Bromophenyl-phenylether | 16.432 | 248 | 66431 | 20.925 | ng/ul | 91 |
| 69) Hexachlorobenzene | 16.549 | 284 | 82738 | 22.571 | ng/ul | 94 |
| 70) Atrazine | 16.702 | 200 | 70958 | 21.332 | ng/ul# | 92 |
| 71) Pentachlorophenol | 16.890 | 266 | 42769 | 20.461 | ng/ul# | 91 |
| 72) Phenanthrene | 17.283 | 178 | 285820 | 18.840 | ng/ul | 98 |
| 74) Anthracene | 17.372 | 178 | 296501 | 18.927 | ng/ul | 97 |
| 75) 1,2,3,4-Tetrachloroben... | 13.288 | 216 | 84134 | 19.320 | ng/ul | 97 |
| 76) Pentachlorobenzene | 14.810 | 250 | 93661 | 20.378 | ng/ul | 97 |
| 77) Carbazole | 17.642 | 167 | 232303 | 18.627 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.206 | 149 | 277878 | 17.324 | ng/ul# | 98 |
| 80) Fluoranthene | 19.299 | 202 | 360440 | 17.492 | ng/ul# | 92 |
| 82) Pyrene | 19.663 | 202 | 383105 | 17.439 | ng/ul# | 90 |
| 83) Butylbenzylphthalate | 20.556 | 149 | 122018 | 15.981 | ng/ul | 92 |
| 84) 3,3'-Dichlorobenzidine | 21.390 | 252 | 146024 | 20.884 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.473 | 228 | 408166 | 18.481 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.390 | 149 | 179106 | 16.236 | ng/ul# | 96 |
| 87) Chrysene | 21.537 | 228 | 388806 | 18.815 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.536 | 149 | 312875 | 16.249 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.570 | 252 | 407744 | 18.421 | ng/ul# | 98 |
| 91) Benzo(k)fluoranthene | 23.635 | 252 | 423807 | 19.219 | ng/ul# | 95 |
| 93) Benzo(a)pyrene | 24.393 | 252 | 390525 | 18.768 | ng/ul# | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 27.959 | 276 | 496651 | 19.479 | ng/ul# | 88 |
| 95) Dibenzo(a,h)anthracene | 28.018 | 278 | 404956 | 19.868 | ng/ul# | 92 |
| 96) Benzo(g,h,i)perylene | 29.029 | 276 | 375754 | 19.194 | ng/ul# | 95 |

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

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