Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062124\
Data File : BG061639.D
Acq On : 22 Jun 2024 4:30
Operator : MA/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 22 05:05:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020529

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.072 | 152 | 55361 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.886 | 136 | 273901 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.699 | 164 | 205262 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.443 | 188 | 487076 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.709 | 240 | 426138 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.929 | 264 | 505847 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.466 | 96 | 11978 | 7.816 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.889 | 84 | 88845 | 19.175 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.214 | 99 | 122044 | 20.307 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.396 | 67 | 70595 | 18.843 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.596 | 132 | 85518 | 20.736 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.765 | 113 | 91890 | 19.778 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.235 | 128 | 41144 | 22.123 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.964 | 143 | 45161 | 23.976 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.498 | 165 | 91849 | 20.593 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.016 | 131 | 134672 | 19.944 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.106 | 166 | 296738 | 18.786 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.394 | 160 | 355140 | 20.516 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.870 | 143 | 56776 | 20.929 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.692 | 176 | 279198 | 20.190 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.798 | 200 | 43475 | 20.874 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.543 | 188 | 444700 | 20.002 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.823 | 212 | 485219 | 20.385 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.705 | 264 | 494607 | 20.472 | ng/ul | -0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.507 | 88 | 13792 | 7.242 | ng/uL# | 69 |
| 5) Pyridine | 3.906 | 79 | 91459 | 18.362 | ng/ul | 96 |
| 6) Benzaldehyde | 7.208 | 77 | 70927 | 23.983 | ng/ul | 92 |
| 8) Phenol | 7.243 | 94 | 123686 | 19.557 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 7.490 | 93 | 88652 | 18.624 | ng/ul# | 96 |
| 12) 2-Chlorophenol | 7.631 | 128 | 85888 | 20.758 | ng/ul | 94 |
| 13) 2-Methylphenol | 8.501 | 108 | 87653 | 19.809 | ng/ul | 93 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.601 | 45 | 190052 | 19.542 | ng/ul | 96 |
| 16) Acetophenone | 8.900 | 105 | 143379 | 18.741 | ng/ul | 89 |
| 17) N-Nitroso-di-n-propyla... | 8.883 | 70 | 74874 | 18.219 | ng/ul# | 92 |
| 18) 4-Methylphenol | 8.830 | 108 | 96824 | 19.532 | ng/ul | 93 |
| 19) Hexachloroethane | 9.165 | 117 | 34377 | 20.721 | ng/ul | 92 |
| 22) Nitrobenzene | 9.282 | 77 | 115178 | 21.498 | ng/ul# | 97 |
| 23) Isophorone | 9.805 | 82 | 226138 | 18.353 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.993 | 139 | 45488 | 23.095 | ng/ul# | 82 |
| 26) 2,4-Dimethylphenol | 10.040 | 107 | 109876 | 19.946 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 10.287 | 93 | 134491 | 19.295 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.522 | 162 | 83282 | 20.380 | ng/ul | 95 |
| 30) Naphthalene | 10.939 | 128 | 301094 | 19.646 | ng/ul | 96 |
| 32) 4-Chloroaniline | 11.039 | 127 | 130602 | 19.501 | ng/ul | 93 |
| 33) Hexachlorobutadiene | 11.215 | 225 | 60884 | 21.569 | ng/ul | 98 |
| 34) Caprolactam | 11.791 | 113 | 32947 | 19.498 | ng/ul | 93 |
| 35) 4-Chloro-3-methylphenol | 12.144 | 107 | 117164 | 20.503 | ng/ul | 94 |
| 36) 2-Methylnaphthalene | 12.537 | 142 | 213601 | 19.752 | ng/ul | 91 |

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Misc :
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**ClientSampleId :**
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.755 | 142 | 217388 | 18.840 | ng/ul# | 90 |
| 39) 1,2,4,5-Tetrachloroben... | 12.896 | 216 | 114675 | 19.740 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 12.878 | 237 | 51029 | 14.764 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 13.131 | 196 | 79481 | 21.206 | ng/ul | 86 |
| 42) 2,4,5-Trichlorophenol | 13.201 | 196 | 87848 | 21.504 | ng/ul | 94 |
| 43) 1,1'-Biphenyl | 13.542 | 154 | 293771 | 19.758 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.583 | 162 | 233211 | 20.419 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.777 | 65 | 93551 | 23.927 | ng/ul | 95 |
| 47) Dimethylphthalate | 14.153 | 163 | 288808 | 18.413 | ng/ul# | 98 |
| 48) 2,6-Dinitrotoluene | 14.271 | 165 | 58407 | 22.440 | ng/ul# | 94 |
| 50) Acenaphthylene | 14.429 | 152 | 384773 | 19.912 | ng/ul | 97 |
| 51) 3-Nitroaniline | 14.594 | 138 | 61793 | 23.183 | ng/ul# | 96 |
| 52) Acenaphthene | 14.764 | 153 | 263813 | 19.714 | ng/ul | 94 |
| 53) 2,4-Dinitrophenol | 14.799 | 184 | 25716 | 19.442 | ng/ul | 87 |
| 55) 4-Nitrophenol | 14.887 | 109 | 58537 | 20.895 | ng/ul | 90 |
| 56) Dibenzofuran | 15.099 | 168 | 372773 | 19.906 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 15.052 | 165 | 91301 | 23.631 | ng/ul# | 94 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.310 | 232 | 81771 | 20.414 | ng/ul | 99 |
| 59) Diethylphthalate | 15.516 | 149 | 305634 | 18.919 | ng/ul | 96 |
| 61) Fluorene | 15.745 | 166 | 308279 | 19.892 | ng/ul | 94 |
| 62) 4-Chlorophenyl-phenyle... | 15.739 | 204 | 152466 | 19.817 | ng/ul | 93 |
| 63) 4-Nitroaniline | 15.751 | 138 | 62079 | 21.984 | ng/ul | 94 |
| 66) 4,6-Dinitro-2-methylph... | 15.810 | 198 | 48231 | 20.444 | ng/ul | 94 |
| 67) N-Nitrosodiphenylamine | 15.951 | 169 | 258200 | 20.499 | ng/ul | 97 |
| 68) 4-Bromophenyl-phenylether | 16.632 | 248 | 102189 | 20.376 | ng/ul | 90 |
| 69) Hexachlorobenzene | 16.738 | 284 | 123354 | 20.268 | ng/ul | 97 |
| 70) Atrazine | 16.897 | 200 | 97245 | 19.329 | ng/ul | 99 |
| 71) Pentachlorophenol | 17.079 | 266 | 76165m | 20.544 | ng/ul | |
| 72) Phenanthrene | 17.484 | 178 | 504936 | 19.705 | ng/ul | 98 |
| 74) Anthracene | 17.578 | 178 | 515130 | 19.658 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.501 | 216 | 119182 | 21.962 | ng/uL | 94 |
| 76) Pentachlorobenzene | 15.011 | 250 | 136336 | 20.921 | ng/uL | 92 |
| 77) Carbazole | 17.843 | 167 | 445186 | 20.009 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.407 | 149 | 532935 | 20.027 | ng/ul | 98 |
| 80) Fluoranthene | 19.488 | 202 | 564431 | 20.437 | ng/ul | 98 |
| 82) Pyrene | 19.852 | 202 | 601198 | 20.472 | ng/ul | 96 |
| 83) Butylbenzylphthalate | 20.739 | 149 | 236351 | 22.105 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.603 | 252 | 212749 | 23.611 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.685 | 228 | 597512 | 19.975 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.609 | 149 | 340284 | 21.651 | ng/ul | 98 |
| 87) Chrysene | 21.750 | 228 | 553614 | 19.559 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.837 | 149 | 583190 | 21.859 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.906 | 252 | 600032 | 19.733 | ng/ul | 95 |
| 91) Benzo(k)fluoranthene | 23.971 | 252 | 615970 | 19.697 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.776 | 252 | 580507 | 19.830 | ng/ul | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 28.595 | 276 | 740613 | 20.302 | ng/ul | 95 |
| 95) Dibenzo(a,h)anthracene | 28.677 | 278 | 601754 | 19.838 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 29.747 | 276 | 596749 | 20.293 | ng/ul | 99 |

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

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