Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072423\
Data File : BG058438.D
Acq On : 25 Jul 2023 1:42
Operator : CG/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 25 03:47:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 24 22:10:54 2023
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel
07/25/2023
Supervised By :mohammad ahmed
07/25/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.819 | 152 | 43032 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.616 | 136 | 204889 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.464 | 164 | 156725 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.208 | 188 | 393706 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.450 | 240 | 338113 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.517 | 264 | 422973 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.236 | 96 | 11328m | 9.689 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.653 | 84 | 75278 | 21.692 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.985 | 99 | 83939 | 20.562 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.143 | 67 | 56417 | 22.112 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.349 | 132 | 64647 | 22.624 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.530 | 113 | 68261 | 21.923 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.976 | 128 | 33078 | 21.539 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.699 | 143 | 38553 | 22.995 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.240 | 165 | 73403 | 22.838 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.757 | 131 | 103557 | 22.226 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.871 | 166 | 267893 | 22.167 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.159 | 160 | 291440 | 23.011 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.676 | 143 | 35492m | 19.446 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.457 | 176 | 232056 | 23.192 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.581 | 200 | 44486 | 22.178 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.308 | 188 | 391077 | 22.989 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.599 | 212 | 459266 | 22.998 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.306 | 264 | 452573 | 22.138 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.271 | 88 | 12961 | 9.773 | ng/uL | 96 |
| 5) Pyridine | 3.671 | 79 | 78744 | 21.487 | ng/ul | 96 |
| 6) Benzaldehyde | 6.955 | 77 | 24373m | 14.784 | ng/ul | |
| 8) Phenol | 7.014 | 94 | 87776 | 20.705 | ng/ul | 97 |
| 10) Bis(2-Chloroethyl)ether | 7.237 | 93 | 71352 | 21.971 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.378 | 128 | 65944 | 22.047 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.266 | 108 | 70060 | 21.204 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.348 | 45 | 125749 | 23.628 | ng/ul | 96 |
| 16) Acetophenone | 8.642 | 105 | 119387 | 22.514 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.618 | 70 | 67583 | 23.287 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.595 | 108 | 79283 | 22.080 | ng/ul | 96 |
| 19) Hexachloroethane | 8.894 | 117 | 27643 | 23.446 | ng/ul | 92 |
| 22) Nitrobenzene | 9.024 | 77 | 86190 | 21.045 | ng/ul | 97 |
| 23) Isophorone | 9.541 | 82 | 205254 | 22.354 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.734 | 139 | 39265 | 21.925 | ng/ul | 93 |
| 26) 2,4-Dimethylphenol | 9.793 | 107 | 89693 | 22.462 | ng/ul | 96 |
| 27) Bis(2-Chloroethoxy)met... | 10.028 | 93 | 109978 | 22.616 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.269 | 162 | 70375 | 23.070 | ng/ul | 97 |
| 30) Naphthalene | 10.669 | 128 | 249433 | 22.776 | ng/ul | 98 |
| 32) 4-Chloroaniline | 10.780 | 127 | 104120 | 21.864 | ng/ul | 97 |
| 33) Hexachlorobutadiene | 10.951 | 225 | 50586 | 23.191 | ng/ul | 97 |
| 34) Caprolactam | 11.532 | 113 | 30602m | 24.153 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.908 | 107 | 88278 | 22.739 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.284 | 142 | 168637 | 22.984 | ng/ul | 97 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.502 | 142 | 173052 | 23.012 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.655 | 216 | 101342 | 22.337 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.625 | 237 | 42892 | 17.578 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.895 | 196 | 70375 | 22.914 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 12.972 | 196 | 75324 | 23.000 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.295 | 154 | 236534 | 22.319 | ng/ul | 97 |
| 44) 2-Chloronaphthalene | 13.336 | 162 | 189527 | 22.493 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.548 | 65 | 65440 | 22.359 | ng/ul | 98 |
| 47) Dimethylphthalate | 13.918 | 163 | 270463 | 22.280 | ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 14.041 | 165 | 56898 | 24.255 | ng/ul | 98 |
| 50) Acenaphthylene | 14.188 | 152 | 311632 | 22.795 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.370 | 138 | 33026 | 16.894 | ng/ul | 90 |
| 52) Acenaphthene | 14.529 | 153 | 216996 | 22.861 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.588 | 184 | 23288 | 18.654 | ng/ul | 96 |
| 55) 4-Nitrophenol | 14.687 | 109 | 32121 | 22.851 | ng/ul | 92 |
| 56) Dibenzofuran | 14.864 | 168 | 310571 | 22.979 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.834 | 165 | 82049 | 24.251 | ng/ul | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.093 | 232 | 70869 | 23.422 | ng/ul# | 98 |
| 59) Diethylphthalate | 15.281 | 149 | 286891 | 22.941 | ng/ul | 98 |
| 61) Fluorene | 15.510 | 166 | 257241 | 23.209 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.504 | 204 | 136320 | 23.168 | ng/ul | 99 |
| 63) 4-Nitroaniline | 15.539 | 138 | 29241m | 16.531 | ng/ul | |
| 66) 4,6-Dinitro-2-methylph... | 15.598 | 198 | 45625 | 22.108 | ng/ul | 97 |
| 67) N-Nitrosodiphenylamine | 15.716 | 169 | 220952 | 22.640 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.397 | 248 | 94835 | 22.741 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.515 | 284 | 108425 | 23.042 | ng/ul | 97 |
| 70) Atrazine | 16.667 | 200 | 89795 | 23.468 | ng/ul | 96 |
| 71) Pentachlorophenol | 16.861 | 266 | 49522m | 18.749 | ng/ul | |
| 72) Phenanthrene | 17.249 | 178 | 427813 | 22.866 | ng/ul | 98 |
| 74) Anthracene | 17.343 | 178 | 431903 | 22.994 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.260 | 216 | 107613 | 21.791 | ng/uL | 96 |
| 76) Pentachlorobenzene | 14.781 | 250 | 120195 | 22.257 | ng/uL | 98 |
| 77) Carbazole | 17.613 | 167 | 386099 | 23.713 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.166 | 149 | 504265 | 24.373 | ng/ul | 99 |
| 80) Fluoranthene | 19.264 | 202 | 529831 | 23.159 | ng/ul | 100 |
| 82) Pyrene | 19.629 | 202 | 535505 | 23.101 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.516 | 149 | 220513 | 24.158 | ng/ul | 95 |
| 84) 3,3'-Dichlorobenzidine | 21.350 | 252 | 150404 | 19.927 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.427 | 228 | 515923 | 22.702 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.338 | 149 | 327694 | 25.240 | ng/ul | 100 |
| 87) Chrysene | 21.491 | 228 | 487413 | 22.611 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.484 | 149 | 577664 | 25.668 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.542 | 252 | 538274 | 21.995 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.606 | 252 | 547360 | 22.425 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.376 | 252 | 481005 | 22.098 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 28.013 | 276 | 639192 | 22.288 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 28.066 | 278 | 522788 | 22.230 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 29.094 | 276 | 531270 | 22.737 | ng/ul | 97 |

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

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