Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059113.D
Acq On : 20 Sep 2023 17:27
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 21 00:30:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 20 04:25:24 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020564

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.296 | 152 | 32952 | 20.000 | ng/ul | # 0.00 |
| 20) Naphthalene-d8 | 11.140 | 136 | 165108 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.929 | 164 | 106455 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.679 | 188 | 245503 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.997 | 240 | 209778 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.540 | 264 | 249601 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.607 | 96 | 6882 | 8.175 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 4.042 | 84 | 52184 | 21.129 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.409 | 99 | 67163 | 20.728 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.614 | 67 | 43065 | 21.658 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.814 | 132 | 52554 | 21.979 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.983 | 113 | 54394 | 21.079 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.489 | 128 | 27918 | 21.913 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.211 | 143 | 28698 | 22.298 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.740 | 165 | 56177 | 22.991 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.286 | 131 | 81290 | 21.316 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.318 | 166 | 177039 | 21.624 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.630 | 160 | 214803 | 21.547 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.100 | 143 | 33905 | 22.698 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.910 | 176 | 163433 | 21.808 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 16.022 | 200 | 29710 | 21.286 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.773 | 188 | 247646 | 22.170 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 20.047 | 212 | 273410 | 22.298 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.294 | 264 | 262033 | 21.500 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.648 | 88 | 7961m | 8.363 | ng/uL | |
| 5) Pyridine | 4.060 | 79 | 51930 | 20.635 | ng/ul | 91 |
| 6) Benzaldehyde | 7.444 | 77 | 40978 | 24.391 | ng/ul | 93 |
| 8) Phenol | 7.438 | 94 | 70115 | 21.054 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.708 | 93 | 57150 | 21.374 | ng/ul | 96 |
| 12) 2-Chlorophenol | 7.849 | 128 | 54772 | 22.452 | ng/ul | 95 |
| 13) 2-Methylphenol | 8.713 | 108 | 51229 | 20.728 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.801 | 45 | 119166m | 21.466 | ng/ul | |
| 16) Acetophenone | 9.136 | 105 | 86126 | 21.679 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 9.101 | 70 | 42471 | 21.147 | ng/ul | 95 |
| 18) 4-Methylphenol | 9.048 | 108 | 57851 | 21.842 | ng/ul | 86 |
| 19) Hexachloroethane | 9.383 | 117 | 21317 | 22.225 | ng/ul | 91 |
| 22) Nitrobenzene | 9.541 | 77 | 61238 | 21.226 | ng/ul | 97 |
| 23) Isophorone | 10.047 | 82 | 131201 | 21.207 | ng/ul | 97 |
| 25) 2-Nitrophenol | 10.246 | 139 | 31218 | 21.705 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 10.270 | 107 | 57840 | 21.509 | ng/ul | 89 |
| 27) Bis(2-Chloroethoxy)met... | 10.528 | 93 | 81134 | 21.079 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.764 | 162 | 54510 | 22.069 | ng/ul | 97 |
| 30) Naphthalene | 11.192 | 128 | 192249 | 21.760 | ng/ul | 99 |
| 32) 4-Chloroaniline | 11.310 | 127 | 79441 | 21.161 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 11.422 | 225 | 36185 | 22.761 | ng/ul | 88 |
| 34) Caprolactam | 12.085 | 113 | 20447m | 22.605 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.373 | 107 | 58244 | 22.387 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.773 | 142 | 128119 | 21.712 | ng/ul | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.990 | 142 | 132410 | 22.214 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachloroben... | 13.114 | 216 | 68290 | 21.882 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 13.073 | 237 | 44700 | 22.466 | ng/ul | 95 |
| 41) 2,4,6-Trichlorophenol | 13.355 | 196 | 45939 | 22.542 | ng/ul | 94 |
| 42) 2,4,5-Trichlorophenol | 13.419 | 196 | 49097 | 22.272 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.760 | 154 | 184794 | 21.748 | ng/ul | 96 |
| 44) 2-Chloronaphthalene | 13.819 | 162 | 139681 | 21.529 | ng/ul | 97 |
| 45) 2-Nitroaniline | 14.030 | 65 | 44640 | 21.706 | ng/ul | 99 |
| 47) Dimethylphthalate | 14.371 | 163 | 178235 | 21.314 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.512 | 165 | 35217 | 22.790 | ng/ul# | 86 |
| 50) Acenaphthylene | 14.659 | 152 | 227762 | 21.390 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.847 | 138 | 37720 | 22.123 | ng/ul | 95 |
| 52) Acenaphthene | 14.988 | 153 | 156534 | 21.678 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 15.047 | 184 | 19922 | 21.396 | ng/ul | 91 |
| 55) 4-Nitrophenol | 15.111 | 109 | 21380 | 21.657 | ng/ul | 95 |
| 56) Dibenzofuran | 15.323 | 168 | 206256 | 21.535 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 15.288 | 165 | 49512 | 22.225 | ng/ul | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.528 | 232 | 45978 | 22.533 | ng/ul# | 89 |
| 59) Diethylphthalate | 15.717 | 149 | 181489 | 22.025 | ng/ul | 99 |
| 61) Fluorene | 15.969 | 166 | 175033 | 21.403 | ng/ul | 96 |
| 62) 4-Chlorophenyl-phenyle... | 15.952 | 204 | 88187 | 21.727 | ng/ul | 95 |
| 63) 4-Nitroaniline | 16.010 | 138 | 35315 | 22.344 | ng/ul | 89 |
| 66) 4,6-Dinitro-2-methylph... | 16.034 | 198 | 32940 | 21.896 | ng/ul | 100 |
| 67) N-Nitrosodiphenylamine | 16.169 | 169 | 143616 | 21.972 | ng/ul | 97 |
| 68) 4-Bromophenyl-phenylether | 16.850 | 248 | 54706 | 22.903 | ng/ul | 85 |
| 69) Hexachlorobenzene | 16.939 | 284 | 59063 | 21.588 | ng/ul | 95 |
| 70) Atrazine | 17.103 | 200 | 58764 | 22.595 | ng/ul | 97 |
| 71) Pentachlorophenol | 17.297 | 266 | 40399 | 22.733 | ng/ul | 97 |
| 72) Phenanthrene | 17.720 | 178 | 298480 | 21.726 | ng/ul | 98 |
| 74) Anthracene | 17.814 | 178 | 306511 | 21.835 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.725 | 216 | 71470 | 21.836 | ng/uL | 95 |
| 76) Pentachlorobenzene | 15.217 | 250 | 68641 | 22.673 | ng/uL | 89 |
| 77) Carbazole | 18.084 | 167 | 252925 | 21.671 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.595 | 149 | 309971 | 21.559 | ng/ul | 99 |
| 80) Fluoranthene | 19.712 | 202 | 342102 | 22.390 | ng/ul | 100 |
| 82) Pyrene | 20.076 | 202 | 351444 | 22.051 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.934 | 149 | 125591 | 21.815 | ng/ul | 95 |
| 84) 3,3'-Dichlorobenzidine | 21.886 | 252 | 116570 | 22.995 | ng/ul | 95 |
| 85) Benzo(a)anthracene | 21.974 | 228 | 331582 | 21.771 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.809 | 149 | 184045 | 21.367 | ng/ul# | 97 |
| 87) Chrysene | 22.050 | 228 | 308720 | 21.735 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 23.131 | 149 | 317001 | 20.773 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.389 | 252 | 323189 | 21.249 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 24.471 | 252 | 335003 | 21.244 | ng/ul | 97 |
| 93) Benzo(a)pyrene | 25.376 | 252 | 313605 | 21.454 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 29.647 | 276 | 349544 | 21.026 | ng/ul | 97 |
| 95) Dibenzo(a,h)anthracene | 29.730 | 278 | 278559 | 20.851 | ng/ul | 97 |
| 96) Benzo(g,h,i)perylene | 30.952 | 276 | 281946 | 21.054 | ng/ul | 98 |

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

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