Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
Data File : BM039509.D
Acq On : 19 Apr 2023 23:30
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Apr 20 01:30:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 19 08:18:41 2023
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD020113

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/20/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.825 | 152 | 309674 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.636 | 136 | 1394202 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.483 | 164 | 868210 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.236 | 188 | 1736351 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.424 | 240 | 1234996 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.788 | 264 | 1171693 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.213 | 96 | 65055 | 8.064 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.637 | 84 | 440724 | 19.442 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.007 | 99 | 570233 | 20.119 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.160 | 67 | 380620 | 20.317 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.360 | 132 | 474502 | 21.342 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.560 | 113 | 460684 | 20.178 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.001 | 128 | 237840 | 21.204 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.719 | 143 | 269813 | 21.422 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.266 | 165 | 466675 | 21.534 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.783 | 131 | 654416 | 20.218 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.901 | 166 | 1451968 | 20.736 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.177 | 160 | 1664365 | 21.158 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.718 | 143 | 183695 | 17.335 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.477 | 176 | 1190903 | 20.759 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.612 | 200 | 220951 | 19.149 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.336 | 188 | 1744801 | 20.895 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.630 | 212 | 1833930 | 22.347 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.635 | 264 | 1335059 | 21.105 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.249 | 88 | 69830 | 7.909 | ng/uL | 98 |
| 5) Pyridine | 3.654 | 79 | 474434 | 19.849 | ng/ul | 97 |
| 6) Benzaldehyde | 6.966 | 77 | 310070 | 25.606 | ng/ul | 98 |
| 8) Phenol | 7.037 | 94 | 596775 | 20.223 | ng/ul | 100 |
| 10) Bis(2-Chloroethyl)ether | 7.254 | 93 | 502578 | 20.427 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.389 | 128 | 477835 | 21.358 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.289 | 108 | 465218 | 20.297 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.354 | 45 | 684721m | 20.037 | ng/ul | |
| 16) Acetophenone | 8.660 | 105 | 783822 | 20.901 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.642 | 70 | 421813 | 20.323 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.619 | 108 | 505175 | 20.414 | ng/ul | 98 |
| 19) Hexachloroethane | 8.901 | 117 | 208870 | 20.556 | ng/ul | 99 |
| 22) Nitrobenzene | 9.042 | 77 | 587104 | 21.199 | ng/ul | 100 |
| 23) Isophorone | 9.566 | 82 | 1190055 | 20.151 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.754 | 139 | 281224 | 21.399 | ng/ul | 99 |
| 26) 2,4-Dimethylphenol | 9.819 | 107 | 569202 | 21.195 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.054 | 93 | 721367 | 20.772 | ng/ul | 100 |
| 29) 2,4-Dichlorophenol | 10.295 | 162 | 464820 | 21.773 | ng/ul | 99 |
| 30) Naphthalene | 10.683 | 128 | 1614198 | 20.926 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.807 | 127 | 655449 | 20.551 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 10.960 | 225 | 304822 | 21.670 | ng/ul | 99 |
| 34) Caprolactam | 11.595 | 113 | 150931m | 18.985 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.948 | 107 | 509504 | 20.441 | ng/ul | 100 |
| 36) 2-Methylnaphthalene | 12.301 | 142 | 1072294 | 20.736 | ng/ul | 99 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.519 | 142 | 1080501 | 20.792 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.671 | 216 | 567762 | 21.786 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.642 | 237 | 256768 | 16.537 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.919 | 196 | 377958 | 21.709 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 13.001 | 196 | 396561 | 21.916 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.318 | 154 | 1437598 | 21.426 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.360 | 162 | 1134536 | 21.555 | ng/ul | 100 |
| 45) 2-Nitroaniline | 13.577 | 65 | 318211 | 20.950 | ng/ul | 98 |
| 47) Dimethylphthalate | 13.948 | 163 | 1440420 | 20.778 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.071 | 165 | 294637 | 21.014 | ng/ul | 98 |
| 50) Acenaphthylene | 14.207 | 152 | 1776256 | 21.110 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.407 | 138 | 257288 | 19.578 | ng/ul | 100 |
| 52) Acenaphthene | 14.548 | 153 | 1199320 | 20.702 | ng/ul | 100 |
| 53) 2,4-Dinitrophenol | 14.624 | 184 | 110319 | 14.781 | ng/ul | 95 |
| 55) 4-Nitrophenol | 14.736 | 109 | 143798 | 17.865 | ng/ul | 99 |
| 56) Dibenzofuran | 14.883 | 168 | 1654536 | 21.012 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.865 | 165 | 405457 | 20.812 | ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.118 | 232 | 337867 | 20.860 | ng/ul | 98 |
| 59) Diethylphthalate | 15.307 | 149 | 1486745 | 20.688 | ng/ul | 100 |
| 61) Fluorene | 15.536 | 166 | 1360072 | 20.880 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.530 | 204 | 680240 | 21.070 | ng/ul | 96 |
| 63) 4-Nitroaniline | 15.577 | 138 | 202007m | 20.045 | ng/ul | |
| 66) 4,6-Dinitro-2-methylph... | 15.630 | 198 | 211705 | 19.084 | ng/ul | 99 |
| 67) N-Nitrosodiphenylamine | 15.748 | 169 | 1117729 | 21.606 | ng/ul | 100 |
| 68) 4-Bromophenyl-phenylether | 16.424 | 248 | 413776 | 22.064 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.536 | 284 | 470499 | 21.838 | ng/ul | 99 |
| 70) Atrazine | 16.706 | 200 | 415414 | 21.640 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.889 | 266 | 239425 | 19.010 | ng/ul | 99 |
| 72) Phenanthrene | 17.277 | 178 | 2015983 | 20.913 | ng/ul | 99 |
| 74) Anthracene | 17.371 | 178 | 2031479 | 21.007 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.277 | 216 | 588484 | 22.757 | ng/uL | 100 |
| 76) Pentachlorobenzene | 14.801 | 250 | 570487 | 22.413 | ng/uL | 100 |
| 77) Carbazole | 17.648 | 167 | 1714735 | 19.954 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.206 | 149 | 2565906 | 21.110 | ng/ul | 99 |
| 80) Fluoranthene | 19.295 | 202 | 2189914 | 22.767 | ng/ul | 99 |
| 82) Pyrene | 19.659 | 202 | 2227620 | 22.371 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.559 | 149 | 1044222 | 22.216 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.347 | 252 | 581142 | 21.220 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.406 | 228 | 1871479 | 20.951 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.330 | 149 | 1567319 | 22.422 | ng/ul | 100 |
| 87) Chrysene | 21.459 | 228 | 1768995 | 20.761 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.247 | 149 | 2447132 | 20.787 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.071 | 252 | 1734518 | 21.039 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.118 | 252 | 1667752 | 20.598 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.683 | 252 | 1480151 | 21.300 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 26.241 | 276 | 1842274 | 24.102 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 26.253 | 278 | 1537996 | 24.268 | ng/ul | 100 |
| 96) Benzo(g,h,i)perylene | 26.988 | 276 | 1499194 | 24.621 | ng/ul | 99 |

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

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