Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070523\
Data File : BG058074.D
Acq On : 7 Jul 2023 14:07
Operator : CG/JU
Sample : PB153596BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS596

Quant Time: Jul 07 18:44:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 05 23:20:13 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.919 | 152 | 37370 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.722 | 136 | 175195 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.553 | 164 | 132675 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.302 | 188 | 324142 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.556 | 240 | 281201 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.705 | 264 | 357263 | 20.000 | ng/ul | -0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.354 | 96 | 6202 | 5.811 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.765 | 84 | 94380 | 29.130 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.079 | 99 | 120612 | 31.604 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.244 | 67 | 74221 | 32.272 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.449 | 132 | 86489 | 32.858 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.624 | 113 | 95376 | 33.120 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.077 | 128 | 45513 | 31.874 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.799 | 143 | 52258 | 34.822 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.340 | 165 | 96578 | 33.547 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.857 | 131 | 132064 | 30.256 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.959 | 166 | 343307 | 32.795 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.247 | 160 | 371391 | 32.512 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.758 | 143 | 59133 | 31.973 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.546 | 176 | 294535 | 33.130 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.669 | 200 | 61694 | 35.051 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.396 | 188 | 484186 | 32.191 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.688 | 212 | 575668 | 32.505 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.494 | 264 | 611684 | 33.606 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.389 | 88 | 14802 | 11.227 | ng/uL# | 94 |
| 5) Pyridine | 3.783 | 79 | 95335 | 28.718 | ng/ul | 97 |
| 6) Benzaldehyde | 7.056 | 77 | 68510 | 53.753 | ng/ul | 95 |
| 8) Phenol | 7.108 | 94 | 129183 | 33.357 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.338 | 93 | 93107 | 31.136 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.479 | 128 | 87309 | 31.875 | ng/ul | 96 |
| 13) 2-Methylphenol | 8.360 | 108 | 98344 | 32.333 | ng/ul | 92 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.442 | 45 | 151442 | 32.901 | ng/ul | 97 |
| 16) Acetophenone | 8.742 | 105 | 159801 | 33.447 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.718 | 70 | 84558 | 33.107 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.689 | 108 | 109340 | 33.246 | ng/ul | 97 |
| 19) Hexachloroethane | 9.000 | 117 | 32895 | 31.327 | ng/ul | 95 |
| 22) Nitrobenzene | 9.118 | 77 | 119399 | 32.210 | ng/ul | 99 |
| 23) Isophorone | 9.641 | 82 | 255056 | 32.246 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.835 | 139 | 53000 | 32.912 | ng/ul | 95 |
| 26) 2,4-Dimethylphenol | 9.893 | 107 | 112302 | 31.013 | ng/ul | 93 |
| 27) Bis(2-Chloroethoxy)met... | 10.123 | 93 | 140432 | 31.507 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.369 | 162 | 93349 | 33.349 | ng/ul | 97 |
| 30) Naphthalene | 10.775 | 128 | 309294 | 31.414 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.880 | 127 | 118464 | 26.543 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 11.051 | 225 | 63510 | 32.049 | ng/ul | 96 |
| 34) Caprolactam | 11.638 | 113 | 38016 | 33.781 | ng/ul | 94 |
| 35) 4-Chloro-3-methylphenol | 12.009 | 107 | 121062 | 35.209 | ng/ul | 98 |
| 36) 2-Methylnaphthalene | 12.379 | 142 | 212489 | 32.016 | ng/ul | 96 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.602 | 142 | 219830 | 33.030 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachloroben... | 12.749 | 216 | 128617 | 31.811 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 12.725 | 237 | 68526 | 26.908 | ng/ul | 96 |
| 41) 2,4,6-Trichlorophenol | 12.990 | 196 | 86965 | 31.735 | ng/ul | 95 |
| 42) 2,4,5-Trichlorophenol | 13.066 | 196 | 93893 | 31.682 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.389 | 154 | 292757 | 30.619 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.430 | 162 | 235624 | 30.706 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.636 | 65 | 89240 | 33.449 | ng/ul | 95 |
| 47) Dimethylphthalate | 14.006 | 163 | 338595 | 32.195 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.130 | 165 | 72121 | 33.408 | ng/ul | 97 |
| 50) Acenaphthylene | 14.276 | 152 | 385166 | 31.224 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.459 | 138 | 68930 | 37.783 | ng/ul | 97 |
| 52) Acenaphthene | 14.617 | 153 | 266221 | 31.451 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.664 | 184 | 39324 | 34.941 | ng/ul | 94 |
| 55) 4-Nitrophenol | 14.776 | 109 | 42941 | 31.341 | ng/ul | 89 |
| 56) Dibenzofuran | 14.952 | 168 | 379321 | 31.524 | ng/ul | 97 |
| 57) 2,4-Dinitrotoluene | 14.917 | 165 | 104175 | 34.059 | ng/ul | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.181 | 232 | 85848 | 31.820 | ng/ul# | 98 |
| 59) Diethylphthalate | 15.369 | 149 | 354642 | 32.308 | ng/ul | 100 |
| 61) Fluorene | 15.604 | 166 | 314327 | 31.837 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.593 | 204 | 171068 | 32.746 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.622 | 138 | 72508 | 44.367 | ng/ul | 94 |
| 66) 4,6-Dinitro-2-methylph... | 15.681 | 198 | 62856 | 34.921 | ng/ul | 96 |
| 67) N-Nitrosodiphenylamine | 15.810 | 169 | 275544 | 31.942 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.486 | 248 | 121884 | 34.256 | ng/ul | 100 |
| 69) Hexachlorobenzene | 16.603 | 284 | 136317 | 34.219 | ng/ul | 98 |
| 70) Atrazine | 16.756 | 200 | 57600 | 16.328 | ng/ul | 97 |
| 71) Pentachlorophenol | 16.950 | 266 | 69444 | 29.037 | ng/ul | 92 |
| 72) Phenanthrene | 17.343 | 178 | 525867 | 31.894 | ng/ul | 100 |
| 74) Anthracene | 17.432 | 178 | 524608 | 31.441 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.354 | 216 | 132869 | 30.908 | ng/uL | 96 |
| 76) Pentachlorobenzene | 14.870 | 250 | 151326 | 32.960 | ng/uL | 97 |
| 77) Carbazole | 17.702 | 167 | 489260 | 32.423 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.254 | 149 | 614105 | 31.947 | ng/ul | 100 |
| 80) Fluoranthene | 19.353 | 202 | 640337 | 31.203 | ng/ul | 99 |
| 82) Pyrene | 19.717 | 202 | 645107 | 31.229 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.598 | 149 | 269174 | 32.134 | ng/ul | 97 |
| 84) 3,3'-Dichlorobenzidine | 21.456 | 252 | 246815 | 36.256 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.539 | 228 | 655241 | 32.453 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.439 | 149 | 389957 | 32.486 | ng/ul | 97 |
| 87) Chrysene | 21.603 | 228 | 634978 | 33.548 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.625 | 149 | 695315 | 31.676 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.707 | 252 | 717001 | 32.413 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.771 | 252 | 686713 | 31.672 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.564 | 252 | 624897 | 31.916 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 28.301 | 276 | 840483 | 32.327 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 28.360 | 278 | 698240 | 32.568 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 29.429 | 276 | 686640 | 32.334 | ng/ul | 97 |

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

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