Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081424\
Data File : BG062402.D
Acq On : 14 Aug 2024 19:42
Operator : MA/JU
Sample : P3589-05MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
E0CK5MS

Quant Time: Aug 15 00:52:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081424.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 15:31:21 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.954 | 152 | 44953 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.751 | 136 | 224016 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.575 | 164 | 186395 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.318 | 188 | 433497 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.560 | 240 | 438604 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.649 | 264 | 501650 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.419 | 96 | 5050 | 4.265 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.831 | 84 | 12345 | 3.422 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.114 | 99 | 32512 | 7.270 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.285 | 67 | 90452 | 32.110 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.490 | 132 | 88232 | 28.883 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.653 | 113 | 66613 | 17.770 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.112 | 128 | 55033 | 38.307 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.828 | 143 | 59639 | 41.732 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.369 | 165 | 123356 | 33.889 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.880 | 131 | 61233 | 10.608 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.987 | 166 | 486079 | 33.525 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.269 | 160 | 512082 | 31.899 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.757 | 143 | 20128 | 8.702 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.568 | 176 | 433932 | 33.183 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.679 | 200 | 81387 | 41.321 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.418 | 188 | 733372 | 35.217 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.697 | 212 | 932141 | 36.289 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.444 | 264 | 952135 | 35.764 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.455 | 88 | 6074 | 4.806 | ng/uL | 96 |
| 5) Pyridine | 3.848 | 79 | 21194 | 5.583 | ng/ul | 95 |
| 6) Benzaldehyde | 7.097 | 77 | 87457 | 37.725 | ng/ul | 99 |
| 8) Phenol | 7.144 | 94 | 34944 | 7.447 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 7.379 | 93 | 110262 | 31.756 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.520 | 128 | 94513 | 29.911 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.395 | 108 | 75465 | 21.371 | ng/ul | 95 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.477 | 45 | 225217 | 31.424 | ng/ul | 98 |
| 16) Acetophenone | 8.771 | 105 | 196740 | 32.040 | ng/ul | 100 |
| 17) N-Nitroso-di-n-propyla... | 8.759 | 70 | 107133 | 33.062 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.718 | 108 | 75372 | 18.635 | ng/ul | 98 |
| 19) Hexachloroethane | 9.041 | 117 | 35310 | 28.085 | ng/ul | 96 |
| 22) Nitrobenzene | 9.153 | 77 | 144750 | 35.671 | ng/ul | 98 |
| 23) Isophorone | 9.676 | 82 | 314256 | 32.792 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.864 | 139 | 66091 | 41.395 | ng/ul | 97 |
| 26) 2,4-Dimethylphenol | 9.922 | 107 | 111602 | 25.632 | ng/ul | 96 |
| 27) Bis(2-Chloroethoxy)met... | 10.157 | 93 | 175270 | 32.880 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.392 | 162 | 123183 | 32.955 | ng/ul | 99 |
| 30) Naphthalene | 10.803 | 128 | 388075 | 29.869 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.903 | 127 | 106598 | 18.995 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.091 | 225 | 79584 | 28.009 | ng/ul | 96 |
| 34) Caprolactam | 11.673 | 113 | 7206 | 4.780 | ng/ul# | 67 |
| 35) 4-Chloro-3-methylphenol | 12.019 | 107 | 139748 | 31.951 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.407 | 142 | 295499 | 32.206 | ng/ul | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.625 | 142 | 302752 | 32.340 | ng/ul | 94 |
| 39) 1,2,4,5-Tetrachloroben... | 12.771 | 216 | 187905 | 30.188 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.760 | 237 | 81532 | 25.555 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 13.006 | 196 | 121008 | 33.796 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 13.077 | 196 | 135379 | 36.013 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.412 | 154 | 435337 | 30.828 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.453 | 162 | 342393 | 31.334 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.653 | 65 | 115771 | 40.905 | ng/ul | 96 |
| 47) Dimethylphthalate | 14.034 | 163 | 489578 | 33.306 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.146 | 165 | 88474 | 42.143 | ng/ul | 90 |
| 50) Acenaphthylene | 14.299 | 152 | 545490 | 31.737 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.475 | 138 | 81837 | 34.213 | ng/ul | 98 |
| 52) Acenaphthene | 14.639 | 153 | 398701 | 30.995 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.675 | 184 | 52464 | 39.618 | ng/ul | 93 |
| 55) 4-Nitrophenol | 14.769 | 109 | 17385 | 8.757 | ng/ul | 93 |
| 56) Dibenzofuran | 14.974 | 168 | 575469 | 31.803 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 14.933 | 165 | 134462 | 42.075 | ng/ul | 93 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.198 | 232 | 136687 | 37.818 | ng/ul | 97 |
| 59) Diethylphthalate | 15.397 | 149 | 498067 | 33.952 | ng/ul | 99 |
| 61) Fluorene | 15.626 | 166 | 457674 | 32.090 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.620 | 204 | 234940 | 32.056 | ng/ul | 100 |
| 63) 4-Nitroaniline | 15.632 | 138 | 99151 | 39.657 | ng/ul | 93 |
| 66) 4,6-Dinitro-2-methylph... | 15.691 | 198 | 90057 | 40.579 | ng/ul | 96 |
| 67) N-Nitrosodiphenylamine | 15.826 | 169 | 421755 | 33.561 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.513 | 248 | 166501 | 34.224 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.625 | 284 | 196132 | 34.603 | ng/ul | 98 |
| 70) Atrazine | 16.778 | 200 | 134505 | 25.669 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.966 | 266 | 127351 | 38.502 | ng/ul | 99 |
| 72) Phenanthrene | 17.359 | 178 | 829727 | 34.063 | ng/ul | 99 |
| 74) Anthracene | 17.453 | 178 | 848396 | 34.001 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.376 | 216 | 189755 | 30.621 | ng/ul | 97 |
| 76) Pentachlorobenzene | 14.898 | 250 | 200008 | 30.768 | ng/ul | 95 |
| 77) Carbazole | 17.718 | 167 | 732655 | 34.955 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.287 | 149 | 901416 | 35.950 | ng/ul | 99 |
| 80) Fluoranthene | 19.368 | 202 | 1023679 | 35.673 | ng/ul | 99 |
| 82) Pyrene | 19.727 | 202 | 1092459 | 35.321 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.625 | 149 | 399186 | 38.316 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.460 | 252 | 278137 | 29.055 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.542 | 228 | 1125422 | 35.352 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.471 | 149 | 582421 | 38.263 | ng/ul | 99 |
| 87) Chrysene | 21.607 | 228 | 1051758 | 34.848 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.646 | 149 | 997361 | 37.279 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.674 | 252 | 1082583 | 35.723 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.745 | 252 | 1062189 | 34.725 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 24.508 | 252 | 959581 | 33.588 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 28.145 | 276 | 1237706 | 34.085 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 28.209 | 278 | 1018709 | 34.612 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 29.231 | 276 | 959684 | 34.365 | ng/ul | 98 |

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

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