Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031324\
Data File : BG060625.D
Acq On : 13 Mar 2024 13:26
Operator : MA/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDICCC040

Quant Time: Mar 14 00:36:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 00:26:58 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.324 | 152 | 106013 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.173 | 136 | 497769 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.951 | 164 | 328973 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.701 | 188 | 696137 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 22.025 | 240 | 617246 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.574 | 264 | 701669 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.809 | 112 | 550683 | 81.657 | ng | | 0.00 |
| 7) Phenol-d6 | 7.437 | 99 | 812780 | 83.083 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.528 | 82 | 792109 | 82.818 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.438 | 330 | 323020 | 84.735 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.577 | 172 | 1935969 | 79.566 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.280 | 244 | 2705895 | 79.239 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.653 | 88 | 110507 | 39.147 | ng | | 100 |
| 3) Pyridine | 4.070 | 79 | 336570 | 40.342 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 4.000 | 42 | 164505 | 40.196 | ng | | 100 |
| 6) Aniline | 7.648 | 93 | 493519 | 41.285 | ng | | 100 |
| 8) 2-Chlorophenol | 7.871 | 128 | 303349 | 41.149 | ng | | 100 |
| 9) Benzaldehyde | 7.472 | 77 | 229773 | 41.958 | ng | | 100 |
| 10) Phenol | 7.466 | 94 | 409643 | 41.733 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.742 | 93 | 321460 | 41.082 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 8.206 | 146 | 318132 | 40.017 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 8.365 | 146 | 330113 | 40.964 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.682 | 146 | 322553 | 40.301 | ng | | 100 |
| 15) Benzyl Alcohol | 8.565 | 79 | 328405 | 42.462 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.847 | 45 | 622027 | 40.950 | ng | | 100 |
| 17) 2-Methylphenol | 8.741 | 107 | 317128 | 42.074 | ng | | 100 |
| 18) Hexachloroethane | 9.411 | 117 | 111624 | 40.549 | ng | | 100 |
| 19) n-Nitroso-di-n-propyla... | 9.135 | 70 | 284355 | 41.934 | ng | | 100 |
| 20) 3+4-Methylphenols | 9.076 | 107 | 428947 | 42.196 | ng | | 100 |
| 22) Acetophenone | 9.170 | 105 | 545271 | 40.858 | ng | # | 100 |
| 24) Nitrobenzene | 9.569 | 77 | 398820 | 41.708 | ng | | 100 |
| 25) Isophorone | 10.075 | 82 | 784387 | 40.975 | ng | | 100 |
| 26) 2-Nitrophenol | 10.275 | 139 | 151954 | 39.639 | ng | | 100 |
| 27) 2,4-Dimethylphenol | 10.298 | 122 | 335920 | 39.647 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 10.562 | 93 | 464038 | 40.435 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.792 | 162 | 315062 | 41.432 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 11.015 | 180 | 320069 | 39.642 | ng | | 100 |
| 31) Naphthalene | 11.226 | 128 | 1108429 | 39.867 | ng | | 100 |
| 32) Benzoic acid | 10.416 | 122 | 216291 | 39.620 | ng | | 100 |
| 33) 4-Chloroaniline | 11.338 | 127 | 479022 | 40.859 | ng | | 100 |
| 34) Hexachlorobutadiene | 11.456 | 225 | 220492 | 40.037 | ng | | 100 |
| 35) Caprolactam | 12.137 | 113 | 105104 | 41.059 | ng | | 100 |
| 36) 4-Chloro-3-methylphenol | 12.401 | 107 | 383623 | 41.166 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.801 | 142 | 769502 | 40.072 | ng | | 100 |
| 38) 1-Methylnaphthalene | 13.018 | 142 | 728241 | 40.404 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 13.142 | 216 | 403057 | 39.896 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 13.101 | 237 | 207004 | 41.666 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 13.383 | 196 | 266406 | 41.067 | ng | | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.453 | 196 | 318571 | 41.513 | ng | 100 |
| 46) 1,1'-Biphenyl | 13.794 | 154 | 1000255 | 40.001 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.847 | 162 | 769343 | 40.767 | ng | 100 |
| 48) 2-Nitroaniline | 14.058 | 65 | 270577 | 43.441 | ng | 100 |
| 49) Acenaphthylene | 14.687 | 152 | 1237694 | 40.259 | ng | 100 |
| 50) Dimethylphthalate | 14.399 | 163 | 1001529 | 40.593 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.534 | 165 | 194157 | 42.708 | ng | 100 |
| 52) Acenaphthene | 15.016 | 154 | 732296 | 39.861 | ng | 100 |
| 53) 3-Nitroaniline | 14.875 | 138 | 218189 | 41.683 | ng | 100 |
| 54) 2,4-Dinitrophenol | 15.069 | 184 | 80681 | 38.544 | ng | 100 |
| 55) Dibenzofuran | 15.351 | 168 | 1186967 | 39.904 | ng | 100 |
| 56) 4-Nitrophenol | 15.134 | 139 | 161680 | 41.393 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 15.310 | 165 | 245584 | 42.941 | ng | 100 |
| 58) Fluorene | 15.997 | 166 | 956224 | 40.180 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.551 | 232 | 267240m | 41.648 | ng | |
| 60) Diethylphthalate | 15.745 | 149 | 1022382 | 40.274 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.980 | 204 | 479922 | 39.812 | ng | 100 |
| 62) 4-Nitroaniline | 16.038 | 138 | 228536 | 42.647 | ng | 100 |
| 63) Azobenzene | 16.273 | 77 | 1066263 | 40.586 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 16.062 | 198 | 121169 | 39.470 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 16.197 | 169 | 878417 | 40.319 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.879 | 248 | 296170 | 39.453 | ng | 100 |
| 68) Hexachlorobenzene | 16.967 | 284 | 343833 | 39.837 | ng | 100 |
| 69) Atrazine | 17.131 | 200 | 298049 | 40.902 | ng | 100 |
| 70) Pentachlorophenol | 17.319 | 266 | 236904 | 42.349 | ng | 100 |
| 71) Phenanthrene | 17.742 | 178 | 1491147 | 39.765 | ng | 100 |
| 72) Anthracene | 17.836 | 178 | 1520851 | 40.112 | ng | 100 |
| 73) Carbazole | 18.107 | 167 | 1327862 | 40.278 | ng | 100 |
| 74) Di-n-butylphthalate | 18.618 | 149 | 1668496 | 41.530 | ng | 100 |
| 75) Fluoranthene | 19.734 | 202 | 1687334 | 40.678 | ng | 100 |
| 77) Benzidine | 19.922 | 184 | 673112 | 44.583 | ng | 100 |
| 78) Pyrene | 20.098 | 202 | 1745868 | 40.530 | ng | 100 |
| 80) Butylbenzylphthalate | 20.962 | 149 | 687362 | 42.209 | ng | 100 |
| 81) Benzo(a)anthracene | 22.002 | 228 | 1731050 | 40.731 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.908 | 252 | 609950 | 42.580 | ng | 100 |
| 83) Chrysene | 22.072 | 228 | 1661759 | 40.269 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.843 | 149 | 1019512 | 42.384 | ng | 100 |
| 85) Di-n-octyl phthalate | 23.177 | 149 | 1697272 | 42.849 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 29.711 | 276 | 1958915 | 40.946 | ng | 100 |
| 88) Benzo(b)fluoranthene | 24.429 | 252 | 1595256 | 41.326 | ng | 100 |
| 89) Benzo(k)fluoranthene | 24.505 | 252 | 1633488 | 40.280 | ng | 100 |
| 90) Benzo(a)pyrene | 25.410 | 252 | 1544804 | 40.819 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 29.805 | 278 | 1658306 | 40.793 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 31.015 | 276 | 1619419 | 41.166 | ng | 100 |

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

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