Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120522\
Data File : BG055887.D
Acq On : 5 Dec 2022 16:26
Operator : CG/JU
Sample : N5870-04MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 06 04:46:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 06 04:41:17 2022
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
ML-4MS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.172 | 152 | 27213 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.998 | 136 | 124201 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.805 | 164 | 99744 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.549 | 188 | 239610 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.832 | 240 | 221562 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.181 | 264 | 235402 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.704 | 112 | 194589 | 129.248 | ng | | 0.00 |
| 7) Phenol-d6 | 7.331 | 99 | 265092 | 132.273 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.347 | 82 | 165445 | 70.407 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.291 | 330 | 150965 | 107.485 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.424 | 172 | 421076 | 63.244 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.134 | 244 | 731222 | 66.010 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.506 | 88 | 24411 | 37.941 | ng | | 95 |
| 3) Pyridine | 3.929 | 79 | 67796 | 34.348 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.841 | 42 | 48646 | 46.551 | ng | # | 91 |
| 6) Aniline | 7.484 | 93 | 77644 | 30.845 | ng | | 96 |
| 8) 2-Chlorophenol | 7.737 | 128 | 82765 | 48.088 | ng | | 95 |
| 9) Benzaldehyde | 7.302 | 77 | 40231m | 29.558 | ng | | |
| 10) Phenol | 7.355 | 94 | 110682 | 49.324 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.578 | 93 | 72451 | 42.130 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 8.060 | 146 | 85078 | 42.044 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.207 | 146 | 86321 | 42.215 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.530 | 146 | 84367 | 43.057 | ng | | 98 |
| 15) Benzyl Alcohol | 8.412 | 79 | 83030m | 50.977 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.700 | 45 | 145035 | 46.588 | ng | | 96 |
| 17) 2-Methylphenol | 8.618 | 107 | 79135 | 49.672 | ng | | 98 |
| 18) Hexachloroethane | 9.264 | 117 | 29748 | 42.269 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.976 | 70 | 69982 | 45.447 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.947 | 107 | 109408 | 49.161 | ng | | 99 |
| 22) Acetophenone | 9.000 | 105 | 130418 | 40.410 | ng | | 94 |
| 24) Nitrobenzene | 9.394 | 77 | 100689 | 41.023 | ng | | 98 |
| 25) Isophorone | 9.911 | 82 | 196316 | 44.093 | ng | | 98 |
| 26) 2-Nitrophenol | 10.105 | 139 | 48840 | 43.104 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 10.157 | 122 | 91708m | 53.180 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 10.387 | 93 | 110044 | 46.039 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.651 | 162 | 95562 | 46.298 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.857 | 180 | 91798 | 38.281 | ng | | 97 |
| 31) Naphthalene | 11.051 | 128 | 265257 | 39.507 | ng | | 99 |
| 32) Benzoic acid | 10.322 | 122 | 51013 | 35.955 | ng | | 93 |
| 33) 4-Chloroaniline | 11.162 | 127 | 60757 | 21.937 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.327 | 225 | 59456 | 36.311 | ng | | 98 |
| 35) Caprolactam | 11.938 | 113 | 33348m | 46.688 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.278 | 107 | 108795 | 47.957 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.643 | 142 | 207995 | 41.374 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.860 | 142 | 196544 | 40.273 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 13.007 | 216 | 119571 | 38.147 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.984 | 237 | 88283 | 55.882 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.248 | 196 | 85729 | 40.095 | ng | | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.330 | 196 | 96203 | 40.943 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.642 | 154 | 291980 | 40.171 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.689 | 162 | 220595 | 39.046 | ng | 99 |
| 48) 2-Nitroaniline | 13.888 | 65 | 81510 | 43.883 | ng | 98 |
| 49) Acenaphthylene | 14.529 | 152 | 373728 | 40.172 | ng | 99 |
| 50) Dimethylphthalate | 14.247 | 163 | 316442 | 39.798 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.376 | 165 | 67509 | 41.524 | ng | 91 |
| 52) Acenaphthene | 14.870 | 154 | 265124m | 43.604 | ng | |
| 53) 3-Nitroaniline | 14.711 | 138 | 41133 | 23.047 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.928 | 184 | 71823 | 76.836 | ng | 96 |
| 55) Dibenzofuran | 15.199 | 168 | 372915 | 39.757 | ng | 99 |
| 56) 4-Nitrophenol | 15.028 | 139 | 101734 | 72.629 | ng | 90 |
| 57) 2,4-Dinitrotoluene | 15.169 | 165 | 96776 | 42.220 | ng | 98 |
| 58) Fluorene | 15.851 | 166 | 300628 | 40.128 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.428 | 232 | 85453 | 37.533 | ng | 99 |
| 60) Diethylphthalate | 15.598 | 149 | 319251 | 39.713 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.833 | 204 | 164150 | 39.860 | ng | 98 |
| 62) 4-Nitroaniline | 15.874 | 138 | 71869 | 38.523 | ng | 95 |
| 63) Azobenzene | 16.127 | 77 | 295261 | 42.070 | ng | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.933 | 198 | 54467 | 40.709 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 16.045 | 169 | 272735 | 41.302 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.726 | 248 | 108658 | 39.800 | ng | 98 |
| 68) Hexachlorobenzene | 16.855 | 284 | 119816 | 39.580 | ng | 98 |
| 69) Atrazine | 16.985 | 200 | 112451 | 43.058 | ng | 98 |
| 70) Pentachlorophenol | 17.202 | 266 | 112662 | 60.838 | ng | 99 |
| 71) Phenanthrene | 17.590 | 178 | 504675 | 39.030 | ng | 100 |
| 72) Anthracene | 17.678 | 178 | 517297 | 41.175 | ng | 99 |
| 73) Carbazole | 17.948 | 167 | 455672 | 40.345 | ng | 99 |
| 74) Di-n-butylphthalate | 18.477 | 149 | 551196 | 39.303 | ng | 99 |
| 75) Fluoranthene | 19.588 | 202 | 583067 | 37.065 | ng | 99 |
| 77) Benzidine | 19.758 | 184 | 233347 | 45.525 | ng | 98 |
| 78) Pyrene | 19.952 | 202 | 592934 | 39.537 | ng | 99 |
| 80) Butylbenzylphthalate | 20.810 | 149 | 233719 | 39.809 | ng | 98 |
| 81) Benzo(a)anthracene | 21.808 | 228 | 591064 | 38.732 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.714 | 252 | 97422 | 18.168 | ng | 97 |
| 83) Chrysene | 21.879 | 228 | 557840 | 38.398 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.679 | 149 | 342959 | 40.647 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.925 | 149 | 584496 | 40.479 | ng | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 29.047 | 276 | 707109 | 36.667 | ng | 98 |
| 88) Benzo(b)fluoranthene | 24.112 | 252 | 620075 | 40.447 | ng | 100 |
| 89) Benzo(k)fluoranthene | 24.182 | 252 | 601346 | 39.351 | ng | 100 |
| 90) Benzo(a)pyrene | 25.022 | 252 | 548000 | 41.655 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 29.100 | 278 | 593094 | 37.635 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 30.263 | 276 | 586923 | 36.952 | ng | 99 |

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

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