Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120722\
Data File : BG055918.D
Acq On : 7 Dec 2022 17:41
Operator : CG/JU
Sample : N5897-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 08 05:07:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 07 05:04:10 2022
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
COMPOSITEMS

**Manual Integrations APPROVED**
Reviewed By :Christian Giraldo
12/08/2022
Supervised By :mohammad ahmed
12/08/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.156 | 152 | 26307 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.988 | 136 | 114254 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.795 | 164 | 83830 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.539 | 188 | 212732 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.822 | 240 | 189327 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.165 | 264 | 221145 | 20.000 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.694 | 112 | 197523 | 135.715 | ng | | 0.00 |
| 7) Phenol-d6 | 7.321 | 99 | 267364 | 138.002 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.337 | 82 | 166857 | 77.189 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.281 | 330 | 147985 | 125.365 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.414 | 172 | 413590 | 73.913 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.124 | 244 | 747532 | 78.972 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.485 | 88 | 24679 | 39.678 | ng | | 93 |
| 3) Pyridine | 3.908 | 79 | 70722 | 37.064 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.820 | 42 | 48679 | 48.187 | ng | # | 97 |
| 6) Aniline | 7.474 | 93 | 88264 | 36.271 | ng | | 99 |
| 8) 2-Chlorophenol | 7.721 | 128 | 89014 | 53.500 | ng | | 98 |
| 9) Benzaldehyde | 7.286 | 77 | 43399m | 32.984 | ng | | |
| 10) Phenol | 7.345 | 94 | 115090 | 53.054 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.568 | 93 | 78889 | 47.454 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 8.044 | 146 | 90272 | 46.148 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.197 | 146 | 92874 | 46.984 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.514 | 146 | 90847 | 47.960 | ng | | 99 |
| 15) Benzyl Alcohol | 8.396 | 79 | 83303m | 52.906 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.684 | 45 | 146306 | 48.615 | ng | | 97 |
| 17) 2-Methylphenol | 8.608 | 107 | 81150 | 52.691 | ng | | 97 |
| 18) Hexachloroethane | 9.248 | 117 | 31615 | 46.469 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.966 | 70 | 70587 | 47.419 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.937 | 107 | 110060 | 51.157 | ng | | 98 |
| 22) Acetophenone | 8.990 | 105 | 136483 | 45.971 | ng | # | 98 |
| 24) Nitrobenzene | 9.378 | 77 | 104541 | 46.300 | ng | | 97 |
| 25) Isophorone | 9.901 | 82 | 197505 | 48.222 | ng | | 98 |
| 26) 2-Nitrophenol | 10.094 | 139 | 52218 | 50.098 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.147 | 122 | 92097m | 58.055 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 10.377 | 93 | 111675 | 50.789 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.641 | 162 | 95135 | 50.104 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.847 | 180 | 98890 | 44.829 | ng | | 99 |
| 31) Naphthalene | 11.040 | 128 | 279767 | 45.296 | ng | | 99 |
| 32) Benzoic acid | 10.318 | 122 | 34954m | 26.781 | ng | | |
| 33) 4-Chloroaniline | 11.146 | 127 | 82419 | 32.349 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.311 | 225 | 65175 | 43.269 | ng | | 97 |
| 35) Caprolactam | 11.928 | 113 | 32914m | 50.092 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.268 | 107 | 106551 | 51.057 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.633 | 142 | 213532 | 46.174 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.850 | 142 | 203099 | 45.239 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.997 | 216 | 125014 | 47.455 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.973 | 237 | 67940 | 51.169 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.238 | 196 | 80375 | 44.727 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.320 | 196 | 89843 | 45.495 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.632 | 154 | 294605 | 48.226 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.679 | 162 | 224037 | 47.184 | ng | | 99 |
| 48) 2-Nitroaniline | 13.878 | 65 | 79125 | 50.686 | ng | | 98 |
| 49) Acenaphthylene | 14.519 | 152 | 375499 | 48.024 | ng | | 100 |
| 50) Dimethylphthalate | 14.237 | 163 | 307147 | 45.962 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.366 | 165 | 66576 | 48.724 | ng | | 94 |
| 52) Acenaphthene | 14.860 | 154 | 264696m | 51.798 | ng | | |
| 53) 3-Nitroaniline | 14.701 | 138 | 54246 | 36.165 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.918 | 184 | 65259 | 83.067 | ng | | 97 |
| 55) Dibenzofuran | 15.194 | 168 | 377702 | 47.911 | ng | | 98 |
| 56) 4-Nitrophenol | 15.024 | 139 | 98781 | 83.909 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 15.159 | 165 | 99297 | 51.544 | ng | | 98 |
| 58) Fluorene | 15.841 | 166 | 306003 | 48.600 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.424 | 232 | 83011 | 43.382 | ng | | 98 |
| 60) Diethylphthalate | 15.594 | 149 | 313351 | 46.379 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.823 | 204 | 165568 | 47.837 | ng | | 99 |
| 62) 4-Nitroaniline | 15.864 | 138 | 71919 | 45.868 | ng | | 94 |
| 63) Azobenzene | 16.117 | 77 | 323568 | 54.856 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.929 | 198 | 52525 | 44.218 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 16.040 | 169 | 275802 | 47.044 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.716 | 248 | 111799 | 46.125 | ng | | 98 |
| 68) Hexachlorobenzene | 16.845 | 284 | 123131 | 45.814 | ng | | 99 |
| 69) Atrazine | 16.975 | 200 | 114995 | 49.595 | ng | | 99 |
| 70) Pentachlorophenol | 17.192 | 266 | 104192m | 63.373 | ng | | |
| 71) Phenanthrene | 17.580 | 178 | 556042 | 48.436 | ng | | 99 |
| 72) Anthracene | 17.674 | 178 | 536661 | 48.113 | ng | | 99 |
| 73) Carbazole | 17.938 | 167 | 466605 | 46.533 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.473 | 149 | 555985 | 44.654 | ng | | 100 |
| 75) Fluoranthene | 19.583 | 202 | 671790 | 48.101 | ng | | 100 |
| 77) Benzidine | 19.754 | 184 | 320018 | 73.064 | ng | | 98 |
| 78) Pyrene | 19.942 | 202 | 677904 | 52.898 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.800 | 149 | 242662 | 48.369 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.798 | 228 | 659448 | 50.571 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.704 | 252 | 120802 | 26.364 | ng | | 96 |
| 83) Chrysene | 21.869 | 228 | 613550 | 49.424 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.663 | 149 | 352865 | 48.941 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.909 | 149 | 593490 | 48.100 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 29.025 | 276 | 751477 | 41.480 | ng | # | 88 |
| 88) Benzo(b)fluoranthene | 24.096 | 252 | 680528 | 47.252 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.166 | 252 | 652009 | 45.417 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.012 | 252 | 607317 | 49.140 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.078 | 278 | 621944 | 42.010 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.253 | 276 | 635089 | 42.563 | ng | | 98 |

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

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