Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062723\
Data File : BG057866.D
Acq On : 27 Jun 2023 14:23
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 00:38:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 00:34:47 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.924 | 152 | 39625 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.727 | 136 | 175080 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.557 | 164 | 130865 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.301 | 188 | 348997 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.555 | 240 | 315828 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.710 | 264 | 385179 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.492 | 112 | 27038 | 10.440 | ng | | 0.00 |
| 7) Phenol-d6 | 7.084 | 99 | 39594 | 10.224 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.082 | 82 | 36273 | 10.153 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.044 | 330 | 21945 | 9.984 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.183 | 172 | 94582 | 11.029 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.916 | 244 | 196300 | 11.331 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.400 | 88 | 7158 | 6.030 | ng | | 88 |
| 3) Pyridine | 3.800 | 79 | 17114 | 4.989 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.711 | 42 | 7342 | 5.200 | ng | | 90 |
| 6) Aniline | 7.248 | 93 | 25284 | 5.226 | ng | | 94 |
| 8) 2-Chlorophenol | 7.483 | 128 | 13356 | 5.137 | ng | | 96 |
| 10) Phenol | 7.107 | 94 | 19094 | 5.074 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.342 | 93 | 14847 | 5.233 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.812 | 146 | 14676 | 5.488 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 7.959 | 146 | 14555 | 5.419 | ng | | 91 |
| 14) 1,2-Dichlorobenzene | 8.277 | 146 | 13862 | 5.333 | ng | | 96 |
| 15) Benzyl Alcohol | 8.159 | 79 | 14380 | 5.040 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.453 | 45 | 25533m | 5.405 | ng | | |
| 17) 2-Methylphenol | 8.359 | 107 | 14187 | 5.085 | ng | | 93 |
| 18) Hexachloroethane | 9.005 | 117 | 4666 | 4.985 | ng | | 92 |
| 19) n-Nitroso-di-n-propyla... | 8.723 | 70 | 13146 | 5.073 | ng | # | 94 |
| 20) 3+4-Methylphenols | 8.682 | 107 | 19392 | 4.989 | ng | | 98 |
| 22) Acetophenone | 8.741 | 105 | 25299 | 5.192 | ng | # | 99 |
| 24) Nitrobenzene | 9.123 | 77 | 17661 | 4.925 | ng | | 95 |
| 25) Isophorone | 9.646 | 82 | 39808 | 5.161 | ng | | 95 |
| 26) 2-Nitrophenol | 9.839 | 139 | 6387 | 4.371 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.892 | 122 | 14460 | 5.133 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 10.133 | 93 | 20827 | 5.024 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.368 | 162 | 13191 | 4.774 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.592 | 180 | 14639 | 4.922 | ng | | 98 |
| 31) Naphthalene | 10.780 | 128 | 49100 | 5.254 | ng | | 99 |
| 33) 4-Chloroaniline | 10.885 | 127 | 21563 | 4.904 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.062 | 225 | 9026 | 4.920 | ng | | 95 |
| 35) Caprolactam | 11.626 | 113 | 5944 | 4.964 | ng | # | 83 |
| 36) 4-Chloro-3-methylphenol | 12.002 | 107 | 18395 | 5.015 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.384 | 142 | 35439 | 5.144 | ng | | 94 |
| 38) 1-Methylnaphthalene | 12.601 | 142 | 33467 | 5.141 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.754 | 216 | 18758 | 5.123 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.736 | 237 | 8657 | 4.398 | ng | | 91 |
| 43) 2,4,6-Trichlorophenol | 12.989 | 196 | 13115 | 4.860 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.059 | 196 | 15435 | 4.805 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.394 | 154 | 47044 | 5.278 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 47) 2-Chloronaphthalene | 13.435 | 162 | 35387 | 5.169 | ng | | 95 |
| 48) 2-Nitroaniline | 13.635 | 65 | 12335 | 4.522 | ng | | 97 |
| 49) Acenaphthylene | 14.281 | 152 | 62315 | 5.191 | ng | | 98 |
| 50) Dimethylphthalate | 14.011 | 163 | 53923 | 5.199 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.129 | 165 | 9573 | 4.445 | ng | | 98 |
| 52) Acenaphthene | 14.622 | 154 | 35790 | 5.103 | ng | | 98 |
| 53) 3-Nitroaniline | 14.458 | 138 | 11254 | 4.597 | ng | # | 99 |
| 55) Dibenzofuran | 14.957 | 168 | 63399 | 5.271 | ng | | 99 |
| 56) 4-Nitrophenol | 14.757 | 139 | 8980 | 4.474 | ng | | 100 |
| 57) 2,4-Dinitrotoluene | 14.916 | 165 | 14196 | 4.543 | ng | # | 97 |
| 58) Fluorene | 15.603 | 166 | 52541 | 5.412 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.180 | 232 | 14422 | 4.953 | ng | # | 96 |
| 60) Diethylphthalate | 15.374 | 149 | 58372 | 5.339 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.597 | 204 | 27099 | 5.204 | ng | | 94 |
| 62) 4-Nitroaniline | 15.615 | 138 | 12334 | 4.803 | ng | | 97 |
| 63) Azobenzene | 15.891 | 77 | 53446 | 5.112 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.809 | 169 | 46686 | 5.242 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.491 | 248 | 18982 | 5.153 | ng | | 97 |
| 68) Hexachlorobenzene | 16.608 | 284 | 20205 | 5.194 | ng | | 98 |
| 69) Atrazine | 16.755 | 200 | 18421 | 5.569 | ng | | 97 |
| 70) Pentachlorophenol | 16.949 | 266 | 13241m | 4.451 | ng | | |
| 71) Phenanthrene | 17.342 | 178 | 90236 | 5.386 | ng | | 99 |
| 72) Anthracene | 17.436 | 178 | 91997 | 5.324 | ng | | 98 |
| 73) Carbazole | 17.701 | 167 | 88862 | 5.409 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.265 | 149 | 108976 | 5.367 | ng | | 98 |
| 75) Fluoranthene | 19.352 | 202 | 116858 | 5.537 | ng | | 98 |
| 78) Pyrene | 19.716 | 202 | 122592 | 5.436 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.609 | 149 | 46635 | 5.100 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.538 | 228 | 115948 | 5.305 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.455 | 252 | 41081 | 5.282 | ng | | 98 |
| 83) Chrysene | 21.602 | 228 | 108809 | 5.260 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.449 | 149 | 69904 | 5.384 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.636 | 149 | 116480 | 5.084 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.283 | 276 | 130457 | 5.113 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 23.700 | 252 | 107918 | 5.137 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.770 | 252 | 110274 | 5.194 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.552 | 252 | 107687 | 5.175 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.347 | 278 | 109668 | 5.181 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.405 | 276 | 106364 | 5.056 | ng | | 97 |

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

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