Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042423\
Data File : BG057154.D
Acq On : 24 Apr 2023 16:50
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 25 04:06:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 25 04:01:27 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo

04/25/2023
Supervised By :Jagrut Upadhyay

04/25/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.384 | 152 | 15056 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.222 | 136 | 60181 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 14.999 | 164 | 47691 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.742 | 188 | 127114 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 22.060 | 240 | 132820 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 25.585 | 264 | 141098 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.900 | 112 | 15424 | 18.565 | ng | | 0.00 |
| 7) Phenol-d6 | 7.515 | 99 | 21717 | 18.066 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.559 | 82 | 18733 | 15.388 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.485 | 330 | 14036 | 22.306 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.624 | 172 | 73628 | 20.748 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.309 | 244 | 153285 | 20.186 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.703 | 88 | 3258 | 8.751 | ng | | 88 |
| 3) Pyridine | 4.131 | 79 | 9289 | 8.223 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 4.037 | 42 | 3460 | 8.491 | ng | # | 83 |
| 6) Aniline | 7.697 | 93 | 14115 | 8.991 | ng | # | 95 |
| 8) 2-Chlorophenol | 7.944 | 128 | 8398 | 9.649 | ng | | 92 |
| 9) Benzaldehyde | 7.509 | 77 | 7362 | 10.225 | ng | | 91 |
| 10) Phenol | 7.544 | 94 | 10647 | 8.920 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.785 | 93 | 8211 | 8.766 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 8.273 | 146 | 10674m | 10.352 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.420 | 146 | 10839m | 10.431 | ng | | |
| 14) 1,2-Dichlorobenzene | 8.749 | 146 | 10227 | 10.194 | ng | | 93 |
| 15) Benzyl Alcohol | 8.619 | 79 | 7629 | 8.613 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.901 | 45 | 6558 | 10.161 | ng | | 93 |
| 17) 2-Methylphenol | 8.819 | 107 | 8048 | 9.214 | ng | | 95 |
| 18) Hexachloroethane | 9.489 | 117 | 3380 | 9.589 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 9.183 | 70 | 6372 | 8.522 | ng | | 98 |
| 20) 3+4-Methylphenols | 9.148 | 107 | 10945 | 9.156 | ng | | 92 |
| 22) Acetophenone | 9.213 | 105 | 15734 | 9.638 | ng | # | 94 |
| 24) Nitrobenzene | 9.606 | 77 | 9664 | 7.907 | ng | # | 89 |
| 25) Isophorone | 10.123 | 82 | 19667 | 8.423 | ng | | 98 |
| 26) 2-Nitrophenol | 10.329 | 139 | 4131 | 9.047 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 10.364 | 122 | 8330 | 9.492 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 10.599 | 93 | 10703 | 8.744 | ng | # | 94 |
| 29) 2,4-Dichlorophenol | 10.863 | 162 | 9299 | 9.512 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 11.081 | 180 | 12372 | 10.349 | ng | # | 95 |
| 31) Naphthalene | 11.280 | 128 | 32103 | 10.043 | ng | | 99 |
| 32) Benzoic acid | 10.482 | 122 | 1797m | 9.993 | ng | | |
| 33) 4-Chloroaniline | 11.380 | 127 | 13462 | 9.579 | ng | # | 91 |
| 34) Hexachlorobutadiene | 11.545 | 225 | 9696 | 10.999 | ng | | 97 |
| 35) Caprolactam | 12.121 | 113 | 2351 | 8.685 | ng | # | 67 |
| 36) 4-Chloro-3-methylphenol | 12.467 | 107 | 9666 | 9.191 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.855 | 142 | 25494 | 10.135 | ng | | 98 |
| 38) 1-Methylnaphthalene | 13.072 | 142 | 23271 | 10.021 | ng | | 93 |
| 40) 1,2,4,5-Tetrachloroben... | 13.213 | 216 | 18293 | 10.483 | ng | # | 98 |
| 41) Hexachlorocyclopentadiene | 13.184 | 237 | 4809 | 10.781 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.442 | 196 | 9410 | 9.960 | ng | | 92 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.519 | 196 | 11089 | 9.722 | ng | | 95 |
| 46) 1,1'-Biphenyl | 13.836 | 154 | 35309 | 9.933 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.889 | 162 | 26657 | 9.936 | ng | | 97 |
| 48) 2-Nitroaniline | 14.083 | 65 | 3748 | 9.678 | ng | # | 69 |
| 49) Acenaphthylene | 14.729 | 152 | 41337 | 9.706 | ng | | 95 |
| 50) Dimethylphthalate | 14.435 | 163 | 32137 | 9.602 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.564 | 165 | 6352 | 9.092 | ng | | 86 |
| 52) Acenaphthene | 15.064 | 154 | 27217m | 9.781 | ng | | |
| 53) 3-Nitroaniline | 14.893 | 138 | 6067 | 8.745 | ng | # | 73 |
| 54) 2,4-Dinitrophenol | 15.105 | 184 | 1742 | 10.505 | ng | # | 78 |
| 55) Dibenzofuran | 15.393 | 168 | 46406 | 10.292 | ng | | 98 |
| 56) 4-Nitrophenol | 15.193 | 139 | 3632 | 7.438 | ng | # | 78 |
| 57) 2,4-Dinitrotoluene | 15.346 | 165 | 8419 | 8.849 | ng | # | 79 |
| 58) Fluorene | 16.039 | 166 | 36671 | 10.102 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.616 | 232 | 10308 | 10.551 | ng | # | 86 |
| 60) Diethylphthalate | 15.780 | 149 | 30346 | 9.406 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 16.021 | 204 | 22748 | 10.441 | ng | | 97 |
| 62) 4-Nitroaniline | 16.051 | 138 | 6359 | 9.103 | ng | | 80 |
| 63) Azobenzene | 16.315 | 77 | 28623 | 8.340 | ng | | 92 |
| 65) 4,6-Dinitro-2-methylph... | 16.109 | 198 | 4217 | 10.620 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 16.233 | 169 | 30953 | 9.332 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.914 | 248 | 15849 | 10.368 | ng | | 96 |
| 68) Hexachlorobenzene | 17.043 | 284 | 17806 | 11.356 | ng | # | 89 |
| 69) Atrazine | 17.161 | 200 | 10147 | 9.578 | ng | | 97 |
| 70) Pentachlorophenol | 17.396 | 266 | 5297 | 7.189 | ng | | 93 |
| 71) Phenanthrene | 17.783 | 178 | 64488 | 9.938 | ng | | 99 |
| 72) Anthracene | 17.877 | 178 | 64714 | 9.863 | ng | | 98 |
| 73) Carbazole | 18.136 | 167 | 52599 | 9.497 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.659 | 149 | 45320 | 8.797 | ng | | 98 |
| 75) Fluoranthene | 19.775 | 202 | 81815 | 10.148 | ng | | 97 |
| 77) Benzidine | 19.939 | 184 | 18790 | 9.388 | ng | | 99 |
| 78) Pyrene | 20.133 | 202 | 84175 | 9.334 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.991 | 149 | 15546 | 9.389 | ng | | 88 |
| 81) Benzo(a)anthracene | 22.037 | 228 | 87279 | 9.557 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.931 | 252 | 20654 | 8.641 | ng | | 96 |
| 83) Chrysene | 22.107 | 228 | 84460 | 9.590 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.884 | 149 | 25616 | 9.911 | ng | | 96 |
| 85) Di-n-octyl phthalate | 23.194 | 149 | 45106 | 7.572 | ng | | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 29.638 | 276 | 97977 | 9.694 | ng | # | 84 |
| 88) Benzo(b)fluoranthene | 24.451 | 252 | 85105 | 9.622 | ng | # | 96 |
| 89) Benzo(k)fluoranthene | 24.521 | 252 | 90705m | 9.914 | ng | | |
| 90) Benzo(a)pyrene | 25.414 | 252 | 84409 | 9.689 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 29.703 | 278 | 83228 | 9.917 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 30.924 | 276 | 82664 | 9.956 | ng | # | 95 |

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

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