Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
Data File : BG060104.D
Acq On : 20 Dec 2023 17:44
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 02:38:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 19 04:37:23 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.946 | 152 | 32710 | 20.000 | ng | | #-0.01 |
| 21) Naphthalene-d8 | 10.755 | 136 | 124401 | 20.000 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 14.585 | 164 | 129252 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.335 | 188 | 431083 | 20.000 | ng | | #-0.01 |
| 76) Chrysene-d12 | 21.607 | 240 | 567996 | 20.000 | ng | | #-0.01 |
| 86) Perylene-d12 | 24.797 | 264 | 635863 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.514 | 112 | 106546 | 55.760 | ng | | -0.01 |
| 7) Phenol-d6 | 7.112 | 99 | 186385 | 69.344 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.110 | 82 | 252386 | 92.125 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.078 | 330 | 309820 | 102.856 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.211 | 172 | 920554 | 87.168 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.956 | 244 | 2771589 | 89.087 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.422 | 88 | 29476m | 32.600 | ng | | |
| 3) Pyridine | 3.822 | 79 | 68096 | 26.892 | ng | # | 75 |
| 4) n-Nitrosodimethylamine | 3.733 | 42 | 48344 | 38.814 | ng | # | 51 |
| 6) Aniline | 7.276 | 93 | 121686 | 44.448 | ng | # | 88 |
| 8) 2-Chlorophenol | 7.511 | 128 | 60724 | 33.536 | ng | | 95 |
| 9) Benzaldehyde | 7.082 | 77 | 60760 | 37.178 | ng | | 94 |
| 10) Phenol | 7.135 | 94 | 100192 | 37.107 | ng | # | 73 |
| 11) bis(2-Chloroethyl)ether | 7.370 | 93 | 59093 | 30.571 | ng | | 85 |
| 12) 1,3-Dichlorobenzene | 7.835 | 146 | 81678 | 33.732 | ng | # | 90 |
| 13) 1,4-Dichlorobenzene | 7.981 | 146 | 84583 | 33.569 | ng | | 92 |
| 14) 1,2-Dichlorobenzene | 8.299 | 146 | 82685 | 34.109 | ng | | 95 |
| 15) Benzyl Alcohol | 8.181 | 79 | 108549 | 50.248 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.475 | 45 | 126584 | 36.596 | ng | | 97 |
| 17) 2-Methylphenol | 8.387 | 107 | 75965 | 42.199 | ng | # | 82 |
| 18) Hexachloroethane | 9.027 | 117 | 26977 | 35.344 | ng | | 83 |
| 19) n-Nitroso-di-n-propyla... | 8.751 | 70 | 81070 | 46.750 | ng | # | 81 |
| 20) 3+4-Methylphenols | 8.716 | 107 | 103766 | 41.268 | ng | | 91 |
| 22) Acetophenone | 8.769 | 105 | 153068 | 42.224 | ng | # | 91 |
| 24) Nitrobenzene | 9.151 | 77 | 125116 | 44.984 | ng | # | 86 |
| 25) Isophorone | 9.674 | 82 | 221613 | 42.265 | ng | # | 94 |
| 26) 2-Nitrophenol | 9.867 | 139 | 44792 | 43.789 | ng | # | 52 |
| 27) 2,4-Dimethylphenol | 9.920 | 122 | 75028 | 53.510 | ng | # | 82 |
| 28) bis(2-Chloroethoxy)met... | 10.155 | 93 | 94372 | 34.860 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.396 | 162 | 115886 | 46.018 | ng | | 87 |
| 30) 1,2,4-Trichlorobenzene | 10.614 | 180 | 157484 | 46.200 | ng | # | 91 |
| 31) Naphthalene | 10.802 | 128 | 252128 | 38.932 | ng | | 98 |
| 32) Benzoic acid | 10.061 | 122 | 47453m | 37.206 | ng | | |
| 33) 4-Chloroaniline | 10.907 | 127 | 113476 | 46.051 | ng | # | 90 |
| 34) Hexachlorobutadiene | 11.090 | 225 | 162871 | 52.205 | ng | | 88 |
| 35) Caprolactam | 11.689 | 113 | 26917m | 42.076 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.036 | 107 | 108564 | 47.402 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.412 | 142 | 232303 | 45.735 | ng | # | 91 |
| 38) 1-Methylnaphthalene | 12.629 | 142 | 211284 | 42.111 | ng | # | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.776 | 216 | 314269 | 46.639 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 12.758 | 237 | 175340 | 62.980 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 13.023 | 196 | 163061 | 43.159 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.087 | 196 | 190962 | 46.469 | ng | # | 98 |
| 46) 1,1'-Biphenyl | 13.422 | 154 | 387846 | 40.462 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.463 | 162 | 312448 | 37.638 | ng | | 96 |
| 48) 2-Nitroaniline | 13.669 | 65 | 98841 | 55.157 | ng | # | 80 |
| 49) Acenaphthylene | 14.309 | 152 | 469485 | 41.345 | ng | | 99 |
| 50) Dimethylphthalate | 14.045 | 163 | 451872 | 45.040 | ng | # | 97 |
| 51) 2,6-Dinitrotoluene | 14.162 | 165 | 96989 | 46.668 | ng | # | 81 |
| 52) Acenaphthene | 14.656 | 154 | 287787 | 36.818 | ng | | 95 |
| 53) 3-Nitroaniline | 14.497 | 138 | 64462 | 38.816 | ng | | 86 |
| 54) 2,4-Dinitrophenol | 14.697 | 184 | 68413 | 44.679 | ng | # | 74 |
| 55) Dibenzofuran | 14.985 | 168 | 554808 | 43.609 | ng | | 95 |
| 56) 4-Nitrophenol | 14.803 | 139 | 52663 | 37.731 | ng | # | 54 |
| 57) 2,4-Dinitrotoluene | 14.950 | 165 | 140068 | 47.944 | ng | # | 89 |
| 58) Fluorene | 15.637 | 166 | 459025 | 42.787 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.208 | 232 | 206897 | 48.366 | ng | | 95 |
| 60) Diethylphthalate | 15.408 | 149 | 401705 | 43.516 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.631 | 204 | 378953 | 49.046 | ng | | 97 |
| 62) 4-Nitroaniline | 15.661 | 138 | 73517 | 40.654 | ng | # | 42 |
| 63) Azobenzene | 15.919 | 77 | 351024 | 38.569 | ng | | 87 |
| 65) 4,6-Dinitro-2-methylph... | 15.708 | 198 | 116388 | 43.061 | ng | | 85 |
| 66) n-Nitrosodiphenylamine | 15.843 | 169 | 441298 | 41.904 | ng | | 94 |
| 67) 4-Bromophenyl-phenylether | 16.524 | 248 | 283796 | 46.660 | ng | | 95 |
| 68) Hexachlorobenzene | 16.642 | 284 | 292068 | 41.077 | ng | | 98 |
| 69) Atrazine | 16.789 | 200 | 132127 | 34.344 | ng | | 92 |
| 70) Pentachlorophenol | 16.983 | 266 | 173700 | 37.710 | ng | | 96 |
| 71) Phenanthrene | 17.382 | 178 | 856324 | 41.011 | ng | | 98 |
| 72) Anthracene | 17.470 | 178 | 894280 | 42.596 | ng | | 98 |
| 73) Carbazole | 17.741 | 167 | 668865 | 37.492 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.299 | 149 | 628010 | 38.588 | ng | | 98 |
| 75) Fluoranthene | 19.392 | 202 | 1312963 | 43.090 | ng | | 97 |
| 77) Benzidine | 19.574 | 184 | 245366 | 33.631 | ng | | 97 |
| 78) Pyrene | 19.756 | 202 | 1328936 | 38.597 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.649 | 149 | 261359 | 42.265 | ng | | 89 |
| 81) Benzo(a)anthracene | 21.589 | 228 | 1577146 | 41.336 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.507 | 252 | 581117 | 46.287 | ng | # | 96 |
| 83) Chrysene | 21.654 | 228 | 1480447 | 40.956 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.501 | 149 | 381498 | 40.703 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.699 | 149 | 610497 | 37.655 | ng | # | 94 |
| 87) Indeno(1,2,3-cd)pyrene | 28.434 | 276 | 1870468 | 41.218 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 23.781 | 252 | 1518744 | 38.674 | ng | # | 99 |
| 89) Benzo(k)fluoranthene | 23.851 | 252 | 1551581 | 40.733 | ng | # | 98 |
| 90) Benzo(a)pyrene | 24.650 | 252 | 1467949 | 42.191 | ng | # | 99 |
| 91) Dibenzo(a,h)anthracene | 28.510 | 278 | 1602066 | 42.218 | ng | # | 97 |
| 92) Benzo(g,h,i)perylene | 29.568 | 276 | 1514839 | 40.133 | ng | # | 93 |

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

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