Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071624\
Data File : BG062101.D
Acq On : 16 Jul 2024 19:41
Operator : MA/JU
Sample : PB162022BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 17 01:46:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 16 12:23:16 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS022

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024

Supervised By :mohammad ahmed
07/18/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.053 | 152 | 49365 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.873 | 136 | 217451 | 20.000 | ng/ul | # 0.01 |
| 38) Acenaphthene-d10 | 14.692 | 164 | 164472 | 20.000 | ng/ul | 0.01 |
| 64) Phenanthrene-d10 | 17.436 | 188 | 354943 | 20.000 | ng/ul | # 0.01 |
| 79) Chrysene-d12 | 21.702 | 240 | 315596 | 20.000 | ng/ul | # 0.01 |
| 88) Perylene-d12 | 24.933 | 264 | 387493 | 20.000 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.441 | 96 | 5195m | 3.955 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.864 | 84 | 57583 | 14.256 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.230 | 99 | 124089 | 22.970 | ng/ul | 0.01 |
| 9) Bis-(2-Chloroethyl)eth... | 7.377 | 67 | 69865 | 20.422 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.589 | 132 | 100497 | 27.119 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.782 | 113 | 92665 | 21.785 | ng/ul | 0.02 |
| 21) Nitrobenzene-d5 | 9.228 | 128 | 52637 | 31.828 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.951 | 143 | 67346 | 35.659 | ng/ul | 0.01 |
| 28) 2,4-Dichlorophenol-d3 | 10.503 | 165 | 127622 | 35.034 | ng/ul | 0.02 |
| 31) 4-Chloroaniline-d4 | 11.008 | 131 | 138063 | 26.105 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.087 | 166 | 414924 | 30.686 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.387 | 160 | 434920 | 30.760 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.916 | 143 | 56925 | 26.362 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.679 | 176 | 309148 | 27.158 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.809 | 200 | 61622 | 33.057 | ng/ul | 0.01 |
| 73) Anthracene-d10 | 17.536 | 188 | 435889 | 26.303 | ng/ul | 0.01 |
| 81) Pyrene-d10 | 19.816 | 212 | 540722 | 29.129 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.710 | 264 | 612838 | 31.889 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.482 | 88 | 9062m | 6.250 | ng/uL | |
| 5) Pyridine | 3.881 | 79 | 55768 | 13.463 | ng/ul# | 87 |
| 6) Benzaldehyde | 7.195 | 77 | 74399 | 26.021 | ng/ul | 85 |
| 8) Phenol | 7.260 | 94 | 124976 | 22.595 | ng/ul# | 81 |
| 10) Bis(2-Chloroethyl)ether | 7.471 | 93 | 85173 | 20.045 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.624 | 128 | 100681 | 26.668 | ng/ul | 92 |
| 13) 2-Methylphenol | 8.511 | 108 | 94694 | 23.987 | ng/ul | 91 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.576 | 45 | 170952 | 18.416 | ng/ul# | 96 |
| 16) Acetophenone | 8.881 | 105 | 156590 | 22.287 | ng/ul | 92 |
| 17) N-Nitroso-di-n-propyla... | 8.864 | 70 | 80607 | 20.492 | ng/ul# | 83 |
| 18) 4-Methylphenol | 8.846 | 108 | 97969 | 22.160 | ng/ul | 100 |
| 19) Hexachloroethane | 9.134 | 117 | 42854 | 26.166 | ng/ul# | 73 |
| 22) Nitrobenzene | 9.269 | 77 | 146754 | 31.261 | ng/ul | 97 |
| 23) Isophorone | 9.792 | 82 | 272164 | 25.662 | ng/ul# | 95 |
| 25) 2-Nitrophenol | 9.980 | 139 | 63635 | 33.040 | ng/ul# | 92 |
| 26) 2,4-Dimethylphenol | 10.045 | 107 | 100099 | 21.716 | ng/ul | 95 |
| 27) Bis(2-Chloroethoxy)met... | 10.268 | 93 | 139574 | 23.898 | ng/ul | 96 |
| 29) 2,4-Dichlorophenol | 10.527 | 162 | 116222 | 33.965 | ng/ul | 93 |
| 30) Naphthalene | 10.920 | 128 | 316929 | 26.533 | ng/ul | 97 |
| 32) 4-Chloroaniline | 11.032 | 127 | 124207 | 23.935 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 11.191 | 225 | 81070 | 31.484 | ng/ul | 92 |
| 34) Caprolactam | 11.807 | 113 | 39046m | 29.125 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.166 | 107 | 144774 | 31.767 | ng/ul | 98 |
| 36) 2-Methylnaphthalene | 12.524 | 142 | 264067 | 30.515 | ng/ul | 96 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.742 | 142 | 271695 | 30.212 | ng/ul | 94 |
| 39) 1,2,4,5-Tetrachloroben... | 12.883 | 216 | 166198 | 33.649 | ng/ul | 95 |
| 40) Hexachlorocyclopentadiene | 12.853 | 237 | 36401 | 11.071 | ng/ul# | 95 |
| 41) 2,4,6-Trichlorophenol | 13.135 | 196 | 85804 | 26.155 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 13.212 | 196 | 92177 | 25.578 | ng/ul | 91 |
| 43) 1,1'-Biphenyl | 13.523 | 154 | 331775 | 26.181 | ng/ul# | 96 |
| 44) 2-Chloronaphthalene | 13.570 | 162 | 275938 | 29.013 | ng/ul | 93 |
| 45) 2-Nitroaniline | 13.782 | 65 | 120883 | 31.739 | ng/ul | 93 |
| 47) Dimethylphthalate | 14.140 | 163 | 366724 | 28.197 | ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 14.269 | 165 | 79132 | 32.072 | ng/ul | 95 |
| 50) Acenaphthylene | 14.416 | 152 | 437619 | 28.201 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.598 | 138 | 75120 | 31.278 | ng/ul | 92 |
| 52) Acenaphthene | 14.751 | 153 | 303331 | 28.308 | ng/ul | 94 |
| 53) 2,4-Dinitrophenol | 14.810 | 184 | 34954 | 27.116 | ng/ul | 90 |
| 55) 4-Nitrophenol | 14.933 | 109 | 80163 | 32.526 | ng/ul# | 84 |
| 56) Dibenzofuran | 15.086 | 168 | 418517 | 27.635 | ng/ul | 91 |
| 57) 2,4-Dinitrotoluene | 15.057 | 165 | 117856 | 32.571 | ng/ul# | 86 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.315 | 232 | 73119 | 22.470 | ng/ul# | 93 |
| 59) Diethylphthalate | 15.491 | 149 | 340896 | 24.323 | ng/ul | 94 |
| 61) Fluorene | 15.738 | 166 | 333288 | 25.878 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.721 | 204 | 174660 | 26.998 | ng/ul | 95 |
| 63) 4-Nitroaniline | 15.768 | 138 | 73543 | 30.178 | ng/ul# | 71 |
| 66) 4,6-Dinitro-2-methylph... | 15.820 | 198 | 64395 | 32.099 | ng/ul# | 85 |
| 67) N-Nitrosodiphenylamine | 15.938 | 169 | 303772 | 31.339 | ng/ul | 100 |
| 68) 4-Bromophenyl-phenylether | 16.619 | 248 | 139374 | 34.612 | ng/ul | 99 |
| 69) Hexachlorobenzene | 16.737 | 284 | 159092 | 34.359 | ng/ul | 97 |
| 70) Atrazine | 16.884 | 200 | 56526 | 14.772 | ng/ul | 89 |
| 71) Pentachlorophenol | 17.090 | 266 | 51658 | 20.297 | ng/ul | 96 |
| 72) Phenanthrene | 17.477 | 178 | 480751 | 25.687 | ng/ul | 100 |
| 74) Anthracene | 17.571 | 178 | 480847 | 24.861 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.488 | 216 | 146639 | 33.264 | ng/ul | 97 |
| 76) Pentachlorobenzene | 15.004 | 250 | 179522 | 35.704 | ng/ul | 95 |
| 77) Carbazole | 17.842 | 167 | 449807 | 27.634 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.376 | 149 | 621144 | 29.722 | ng/ul | 97 |
| 80) Fluoranthene | 19.481 | 202 | 555834 | 25.302 | ng/ul# | 92 |
| 82) Pyrene | 19.845 | 202 | 660608 | 29.111 | ng/ul# | 92 |
| 83) Butylbenzylphthalate | 20.715 | 149 | 224809 | 23.605 | ng/ul | 92 |
| 84) 3,3'-Dichlorobenzidine | 21.590 | 252 | 238852 | 31.813 | ng/ul | 96 |
| 85) Benzo(a)anthracene | 21.678 | 228 | 672736 | 29.441 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.561 | 149 | 375001 | 27.440 | ng/ul | 95 |
| 87) Chrysene | 21.749 | 228 | 641743 | 30.000 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.771 | 149 | 670527 | 28.324 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.905 | 252 | 722442 | 29.592 | ng/ul# | 95 |
| 91) Benzo(k)fluoranthene | 23.970 | 252 | 727566 | 29.886 | ng/ul# | 92 |
| 93) Benzo(a)pyrene | 24.786 | 252 | 628297 | 27.178 | ng/ul# | 96 |
| 94) Indeno(1,2,3-cd)pyrene | 28.629 | 276 | 806231m | 27.290 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.694 | 278 | 688255m | 28.208 | ng/ul | |
| 96) Benzo(g,h,i)perylene | 29.792 | 276 | 669763m | 28.497 | ng/ul | |

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

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