Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062322\
Data File : BG054029.D
Acq On : 24 Jun 2022 1:26
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020571

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 06/24/2022
Supervised By :mohammad ahmed 06/29/2022

Quant Time: Jun 24 03:13:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062022.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 20 15:29:13 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.075 | 152 | 22113 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.883 | 136 | 103501 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.696 | 164 | 84350 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.440 | 188 | 216573 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.718 | 240 | 232949 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.978 | 264 | 236982 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.492 | 96 | 3551 | 7.641 | ng/uL | -0.01 |
| 4) Pyridine-d5 | 3.909 | 84 | 26065 | 20.620 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.234 | 99 | 36781 | 23.217 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.393 | 67 | 21586 | 22.588 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.605 | 132 | 28094 | 22.239 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.780 | 113 | 33090 | 24.497 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.232 | 128 | 15122 | 19.684 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.961 | 143 | 17075 | 20.918 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.501 | 165 | 38209 | 21.157 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.012 | 131 | 47855 | 20.975 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.097 | 166 | 126984 | 19.136 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.391 | 160 | 140502 | 19.472 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.890 | 143 | 18078 | 19.897 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.689 | 176 | 114601 | 19.227 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.801 | 200 | 22492 | 19.038 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.540 | 188 | 190516 | 19.479 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.826 | 212 | 244797 | 20.155 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.749 | 264 | 233395 | 19.511 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.527 | 88 | 4118 | 8.120 | ng/uL# | 87 |
| 5) Pyridine | 3.932 | 79 | 27746 | 21.165 | ng/ul | 89 |
| 6) Benzaldehyde | 7.205 | 77 | 22224m | 27.549 | ng/ul | |
| 8) Phenol | 7.258 | 94 | 39432 | 23.855 | ng/ul | 97 |
| 10) Bis(2-Chloroethyl)ether | 7.487 | 93 | 27924 | 22.302 | ng/ul | 93 |
| 12) 2-Chlorophenol | 7.640 | 128 | 28509 | 22.103 | ng/ul | 96 |
| 13) 2-Methylphenol | 8.509 | 108 | 30202 | 23.537 | ng/ul | 90 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.598 | 45 | 45012 | 24.202 | ng/ul | 98 |
| 16) Acetophenone | 8.891 | 105 | 47191 | 22.590 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propyla... | 8.874 | 70 | 25696 | 24.130 | ng/ul | 95 |
| 18) 4-Methylphenol | 8.838 | 108 | 33996 | 24.766 | ng/ul | 92 |
| 19) Hexachloroethane | 9.162 | 117 | 11250 | 20.583 | ng/ul | 88 |
| 22) Nitrobenzene | 9.273 | 77 | 36308 | 19.842 | ng/ul | 96 |
| 23) Isophorone | 9.802 | 82 | 71332 | 20.106 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.990 | 139 | 18086 | 21.131 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 10.049 | 107 | 40423 | 21.628 | ng/ul | 94 |
| 27) Bis(2-Chloroethoxy)met... | 10.278 | 93 | 42094 | 21.076 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.531 | 162 | 37804 | 20.932 | ng/ul | 97 |
| 30) Naphthalene | 10.936 | 128 | 100599 | 19.594 | ng/ul | 99 |
| 32) 4-Chloroaniline | 11.036 | 127 | 47207 | 20.865 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 11.224 | 225 | 28009 | 15.878 | ng/ul | 98 |
| 34) Caprolactam | 11.782 | 113 | 11319 | 21.002 | ng/ul | 80 |
| 35) 4-Chloro-3-methylphenol | 12.158 | 107 | 39775 | 22.902 | ng/ul | 94 |
| 36) 2-Methylnaphthalene | 12.534 | 142 | 74905 | 19.722 | ng/ul | 97 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.752 | 142 | 77022 | 20.334 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.898 | 216 | 58424 | 17.040 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 12.887 | 237 | 34701 | 18.046 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 13.133 | 196 | 35778 | 20.106 | ng/ul | 90 |
| 42) 2,4,5-Trichlorophenol | 13.210 | 196 | 39431 | 19.601 | ng/ul | 96 |
| 43) 1,1'-Biphenyl | 13.533 | 154 | 114080 | 19.513 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.580 | 162 | 91920 | 18.933 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.774 | 65 | 27480 | 22.499 | ng/ul | 100 |
| 47) Dimethylphthalate | 14.144 | 163 | 121173 | 18.999 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.262 | 165 | 25831 | 20.138 | ng/ul | 98 |
| 50) Acenaphthylene | 14.420 | 152 | 147481 | 19.906 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.591 | 138 | 23604 | 22.668 | ng/ul# | 95 |
| 52) Acenaphthene | 14.761 | 153 | 96970 | 19.600 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.802 | 184 | 10867 | 18.287 | ng/ul# | 63 |
| 55) 4-Nitrophenol | 14.902 | 109 | 16148 | 18.130 | ng/ul | 95 |
| 56) Dibenzofuran | 15.096 | 168 | 147420 | 19.474 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 15.049 | 165 | 37540 | 20.176 | ng/ul# | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.319 | 232 | 34654 | 19.824 | ng/ul | 97 |
| 59) Diethylphthalate | 15.507 | 149 | 121399 | 19.413 | ng/ul | 99 |
| 61) Fluorene | 15.742 | 166 | 120912 | 19.611 | ng/ul | 96 |
| 62) 4-Chlorophenyl-phenyle... | 15.736 | 204 | 70695 | 18.033 | ng/ul | 95 |
| 63) 4-Nitroaniline | 15.754 | 138 | 22851 | 22.822 | ng/ul | 90 |
| 66) 4,6-Dinitro-2-methylph... | 15.813 | 198 | 21613 | 19.058 | ng/ul | 94 |
| 67) N-Nitrosodiphenylamine | 15.948 | 169 | 109371 | 20.657 | ng/ul | 97 |
| 68) 4-Bromophenyl-phenylether | 16.629 | 248 | 48927 | 18.188 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.753 | 284 | 56876 | 18.039 | ng/ul | 92 |
| 70) Atrazine | 16.888 | 200 | 50321 | 19.350 | ng/ul | 99 |
| 71) Pentachlorophenol | 17.093 | 266 | 24793 | 18.552 | ng/ul | 93 |
| 72) Phenanthrene | 17.481 | 178 | 214420 | 19.984 | ng/ul | 99 |
| 74) Anthracene | 17.575 | 178 | 216479 | 20.019 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.504 | 216 | 62709 | 17.000 | ng/uL | 99 |
| 76) Pentachlorobenzene | 15.019 | 250 | 60642 | 17.875 | ng/uL | 97 |
| 77) Carbazole | 17.840 | 167 | 185930 | 20.855 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.398 | 149 | 219107 | 21.586 | ng/ul | 99 |
| 80) Fluoranthene | 19.491 | 202 | 278680 | 20.553 | ng/ul | 97 |
| 82) Pyrene | 19.855 | 202 | 276893 | 20.540 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.736 | 149 | 95029 | 23.392 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.612 | 252 | 99032 | 20.543 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.700 | 228 | 288129 | 20.067 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.606 | 149 | 136596 | 23.010 | ng/ul | 98 |
| 87) Chrysene | 21.765 | 228 | 276325 | 20.060 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.828 | 149 | 238427 | 23.426 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.938 | 252 | 299365 | 20.458 | ng/ul# | 98 |
| 91) Benzo(k)fluoranthene | 24.003 | 252 | 273506 | 19.520 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.826 | 252 | 283683 | 20.125 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 28.692 | 276 | 332778 | 19.622 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 28.762 | 278 | 283965 | 19.896 | ng/ul | 97 |
| 96) Benzo(g,h,i)perylene | 29.849 | 276 | 278019 | 19.416 | ng/ul | 98 |

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

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