Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021621\
Data File : BG048159.D
Acq On : 16 Feb 2021 10:28
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD02032

Manual Integrations APPROVED
mohammad
2/17/2021 1:46:01 PM

Quant Time: Feb 16 11:51:31 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG021321MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 15 06:21:07 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.10 | 152 | 51462 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.92 | 136 | 199023 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.72 | 164 | 146702 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.47 | 188 | 371850 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.74 | 240 | 387505 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.01 | 264 | 399296 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.51 | 96 | 9169 | 7.42 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.24 | 99 | 79517 | 18.34 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.42 | 67 | 50297 | 19.48 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.63 | 132 | 57793 | 18.99 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.80 | 113 | 65305 | 19.20 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.27 | 128 | 28098 | 18.90 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.99 | 143 | 32544 | 18.10 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.53 | 165 | 67044 | 19.04 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.04 | 131 | 79075 | 22.72 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.13 | 166 | 219031 | 20.16 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.42 | 160 | 266439 | 20.06 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.90 | 143 | 35426 | 19.19 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.72 | 176 | 196387 | 20.26 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.82 | 200 | 40254 | 17.66 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.57 | 188 | 321279 | 20.15 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.85 | 212 | 394333 | 20.38 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.78 | 264 | 394828 | 19.38 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.54 | 88 | 10616 | 7.488 | ng/uL | 90 |
| 4) Benzaldehyde | 7.23 | 77 | 59169 | 23.211 | ng/ul | 97 |
| 6) Phenol | 7.27 | 94 | 86087 | 19.230 | ng/ul | 93 |
| 8) Bis(2-Chloroethyl)ether | 7.52 | 93 | 65638 | 19.414 | ng/ul | 90 |
| 10) 2-Chlorophenol | 7.67 | 128 | 58729 | 18.240 | ng/ul | 91 |
| 11) 2-Methylphenol | 8.54 | 108 | 57498 | 17.752 | ng/ul | 93 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.63 | 45 | 85103m | 19.259 | ng/ul | |
| 14) Acetophenone | 8.92 | 105 | 107810 | 19.462 | ng/ul | 87 |
| 15) N-Nitroso-di-n-propylamine | 8.90 | 70 | 62909 | 20.451 | ng/ul# | 94 |
| 16) 4-Methylphenol | 8.86 | 108 | 64202 | 18.369 | ng/ul | 89 |
| 17) Hexachloroethane | 9.20 | 117 | 25754 | 17.906 | ng/ul | 91 |
| 20) Nitrobenzene | 9.31 | 77 | 90281 | 19.938 | ng/ul | 95 |
| 21) Isophorone | 9.83 | 82 | 155185 | 19.398 | ng/ul | 94 |
| 23) 2-Nitrophenol | 10.02 | 139 | 36379 | 19.839 | ng/ul | 94 |
| 24) 2,4-Dimethylphenol | 10.07 | 107 | 78754 | 19.408 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 10.31 | 93 | 86963 | 19.283 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.56 | 162 | 63917 | 18.971 | ng/ul | 95 |
| 28) Naphthalene | 10.96 | 128 | 198082 | 19.732 | ng/ul | 97 |
| 30) 4-Chloroaniline | 11.07 | 127 | 80233 | 22.475 | ng/ul# | 87 |
| 31) Hexachlorobutadiene | 11.25 | 225 | 57579 | 19.595 | ng/ul | 96 |
| 32) Caprolactam | 11.82 | 113 | 22157m | 18.846 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.17 | 107 | 71249 | 19.101 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 12.56 | 142 | 149127 | 19.544 | ng/ul | 97 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.78 | 142 | 142765 | 19.342 | ng/uL | 97 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 106942 | 20.264 | ng/ul | 97 |
| 38) Hexachlorocyclopentadiene | 12.91 | 237 | 63747 | 18.736 | ng/ul | 98 |
| 39) 2,4,6-Trichlorophenol | 13.16 | 196 | 62929 | 19.365 | ng/ul | 95 |
| 40) 2,4,5-Trichlorophenol | 13.23 | 196 | 70000 | 21.197 | ng/ul | 88 |
| 41) 1,1'-Biphenyl | 13.56 | 154 | 200091 | 19.883 | ng/ul | 96 |
| 42) 2-Chloronaphthalene | 13.61 | 162 | 167510 | 20.202 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.80 | 65 | 58321 | 20.338 | ng/ul | 92 |
| 45) Dimethylphthalate | 14.17 | 163 | 227700 | 20.270 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 14.29 | 165 | 47173 | 19.967 | ng/ul# | 95 |
| 48) Acenaphthylene | 14.45 | 152 | 240428 | 20.238 | ng/ul | 95 |
| 49) 3-Nitroaniline | 14.62 | 138 | 43709 | 21.950 | ng/ul | 95 |
| 50) Acenaphthene | 14.79 | 153 | 173991 | 19.514 | ng/ul | 94 |
| 51) 2,4-Dinitrophenol | 14.83 | 184 | 25631 | 17.372 | ng/ul | 96 |
| 53) 4-Nitrophenol | 14.91 | 109 | 41401 | 19.861 | ng/ul | 87 |
| 54) Dibenzofuran | 15.12 | 168 | 262703 | 20.188 | ng/ul | 99 |
| 55) 2,4-Dinitrotoluene | 15.08 | 165 | 67922 | 20.016 | ng/ul | 96 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.35 | 232 | 68342m | 20.243 | ng/ul | |
| 57) Diethylphthalate | 15.54 | 149 | 239111 | 20.621 | ng/ul | 100 |
| 59) Fluorene | 15.77 | 166 | 213314 | 20.276 | ng/ul | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.76 | 204 | 126937 | 20.113 | ng/ul | 93 |
| 61) 4-Nitroaniline | 15.78 | 138 | 47676 | 21.268 | ng/ul | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 15.84 | 198 | 41980 | 18.478 | ng/ul# | 89 |
| 65) N-Nitrosodiphenylamine | 15.97 | 169 | 189925 | 19.900 | ng/ul | 95 |
| 66) 4-Bromophenyl-phenylether | 16.66 | 248 | 87104 | 19.818 | ng/ul | 91 |
| 67) Hexachlorobenzene | 16.77 | 284 | 92355 | 19.823 | ng/ul | 93 |
| 68) Atrazine | 16.92 | 200 | 89675 | 21.012 | ng/ul | 91 |
| 69) Pentachlorophenol | 17.12 | 266 | 40764 | 15.670 | ng/ul# | 87 |
| 70) Phenanthrene | 17.51 | 178 | 374397 | 20.040 | ng/ul | 99 |
| 72) Anthracene | 17.60 | 178 | 377805 | 20.047 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.53 | 216 | 108287 | 19.490 | ng/uL | 95 |
| 74) Pentachlorobenzene | 15.04 | 250 | 106321 | 19.516 | ng/uL | 94 |
| 75) Carbazole | 17.87 | 167 | 336317 | 21.339 | ng/ul | 98 |
| 76) Di-n-butylphthalate | 18.42 | 149 | 386587 | 20.108 | ng/ul | 97 |
| 77) Fluoranthene | 19.51 | 202 | 494486 | 21.708 | ng/ul | 100 |
| 80) Pyrene | 19.88 | 202 | 489631 | 20.337 | ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.75 | 149 | 166370 | 19.748 | ng/ul | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.63 | 252 | 172960 | 21.815 | ng/ul# | 99 |
| 83) Benzo(a)anthracene | 21.72 | 228 | 485140 | 20.039 | ng/ul | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 21.62 | 149 | 243414 | 19.899 | ng/ul# | 97 |
| 85) Chrysene | 21.79 | 228 | 466901 | 20.180 | ng/ul | 97 |
| 87) Di-n-octyl phthalate | 22.85 | 149 | 408837 | 19.939 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 23.97 | 252 | 479562 | 19.126 | ng/ul | 94 |
| 89) Benzo(k)fluoranthene | 24.04 | 252 | 485792 | 19.782 | ng/ul | 97 |
| 91) Benzo(a)pyrene | 24.85 | 252 | 434548 | 19.697 | ng/ul | 96 |
| 92) Indeno(1,2,3-cd)pyrene | 28.72 | 276 | 549062 | 19.454 | ng/ul | 100 |
| 93) Dibenzo(a,h)anthracene | 28.79 | 278 | 460267 | 19.502 | ng/ul# | 96 |
| 94) Benzo(g,h,i)perylene | 29.89 | 276 | 454170 | 19.351 | ng/ul | 98 |

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

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