Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072421\
Data File : BG049444.D
Acq On : 24 Jul 2021 4:04
Operator : CG/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020455

**Manual Integrations APPROVED**
mohammad
7/26/2021 1:29:19 PM

Quant Time: Jul 24 06:52:33 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG072421.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 24 06:15:51 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.049 | 152 | 20245 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.868 | 136 | 80504 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.699 | 164 | 55468 | 20.000 | ng/ul | # 0.00 |
| 64) Phenanthrene-d10 | 17.448 | 188 | 133323 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.724 | 240 | 146603 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.002 | 264 | 155707 | 20.000 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.431 | 96 | 2929m | 6.619 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.854 | 84 | 24385 | 19.186 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.203 | 99 | 34239 | 19.115 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.361 | 67 | 20045 | 19.759 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.573 | 132 | 24930 | 19.417 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.754 | 113 | 25764 | 19.083 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.212 | 128 | 12742 | 20.587 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.940 | 143 | 14279 | 19.687 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.481 | 165 | 27056 | 20.511 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.004 | 131 | 35169 | 19.130 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.094 | 166 | 86246 | 20.298 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.387 | 160 | 103735 | 21.020 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.892 | 143 | 13781 | 19.695 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.691 | 176 | 76670 | 20.945 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.803 | 200 | 14825 | 17.944 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.548 | 188 | 123592 | 19.946 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.833 | 212 | 153275 | 20.447 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.773 | 264 | 168855 | 20.633 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.467 | 88 | 4974m | 8.224 | ng/uL | |
| 5) Pyridine | 3.872 | 79 | 26514 | 19.502 | ng/ul# | 83 |
| 6) Benzaldehyde | 7.179 | 77 | 26044 | 24.367 | ng/ul | 91 |
| 8) Phenol | 7.220 | 94 | 32154 | 18.377 | ng/ul | 89 |
| 10) Bis(2-Chloroethyl)ether | 7.461 | 93 | 22886 | 18.985 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.608 | 128 | 25040 | 20.257 | ng/ul | 96 |
| 13) 2-Methylphenol | 8.489 | 108 | 25453 | 19.086 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.577 | 45 | 27832 | 19.702 | ng/ul | 99 |
| 16) Acetophenone | 8.871 | 105 | 43186 | 19.874 | ng/ul | 85 |
| 17) N-Nitroso-di-n-propyla... | 8.854 | 70 | 21718 | 19.382 | ng/ul# | 84 |
| 18) 4-Methylphenol | 8.812 | 108 | 27076 | 19.299 | ng/ul | 97 |
| 19) Hexachloroethane | 9.136 | 117 | 11498 | 20.648 | ng/ul# | 79 |
| 22) Nitrobenzene | 9.259 | 77 | 36804 | 19.915 | ng/ul | 97 |
| 23) Isophorone | 9.776 | 82 | 64057 | 20.686 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.970 | 139 | 13878 | 20.332 | ng/ul# | 80 |
| 26) 2,4-Dimethylphenol | 10.028 | 107 | 34182 | 21.012 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 10.263 | 93 | 31942 | 20.681 | ng/ul# | 97 |
| 29) 2,4-Dichlorophenol | 10.516 | 162 | 26567 | 20.602 | ng/ul | 93 |
| 30) Naphthalene | 10.915 | 128 | 84193 | 20.303 | ng/ul# | 95 |
| 32) 4-Chloroaniline | 11.021 | 127 | 34257 | 19.589 | ng/ul# | 89 |
| 33) Hexachlorobutadiene | 11.197 | 225 | 20804 | 21.102 | ng/ul# | 85 |
| 34) Caprolactam | 11.773 | 113 | 8304m | 18.934 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.143 | 107 | 30131 | 20.767 | ng/ul | 97 |
| 36) 2-Methylnaphthalene | 12.525 | 142 | 61458 | 20.250 | ng/ul | 98 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.742 | 142 | 61660 | 20.105 | ng/ul | 85 |
| 39) 1,2,4,5-Tetrachloroben... | 12.889 | 216 | 34273 | 20.789 | ng/ul# | 90 |
| 40) Hexachlorocyclopentadiene | 12.872 | 237 | 16674 | 16.786 | ng/ul# | 93 |
| 41) 2,4,6-Trichlorophenol | 13.130 | 196 | 20320 | 20.057 | ng/ul# | 83 |
| 42) 2,4,5-Trichlorophenol | 13.201 | 196 | 23024m | 21.280 | ng/ul | |
| 43) 1,1'-Biphenyl | 13.530 | 154 | 82434 | 20.870 | ng/ul | 97 |
| 44) 2-Chloronaphthalene | 13.571 | 162 | 63530 | 20.669 | ng/ul | 95 |
| 45) 2-Nitroaniline | 13.776 | 65 | 23174 | 21.245 | ng/ul | 98 |
| 47) Dimethylphthalate | 14.140 | 163 | 84126 | 20.360 | ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 14.264 | 165 | 17872 | 21.673 | ng/ul# | 92 |
| 50) Acenaphthylene | 14.417 | 152 | 98272 | 20.852 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.593 | 138 | 17408 | 21.166 | ng/ul | 91 |
| 52) Acenaphthene | 14.763 | 153 | 70425 | 20.835 | ng/ul | 96 |
| 53) 2,4-Dinitrophenol | 14.810 | 184 | 6673 | 16.242 | ng/ul# | 66 |
| 55) 4-Nitrophenol | 14.904 | 109 | 18448 | 19.444 | ng/ul | 91 |
| 56) Dibenzofuran | 15.092 | 168 | 95745 | 20.978 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 15.051 | 165 | 26868 | 22.986 | ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.321 | 232 | 21107 | 21.497 | ng/ul# | 99 |
| 59) Diethylphthalate | 15.503 | 149 | 89326 | 20.888 | ng/ul | 99 |
| 61) Fluorene | 15.744 | 166 | 83012 | 21.424 | ng/ul | 94 |
| 62) 4-Chlorophenyl-phenyle... | 15.732 | 204 | 42946 | 21.292 | ng/ul | 92 |
| 63) 4-Nitroaniline | 15.756 | 138 | 18555 | 22.751 | ng/ul | 100 |
| 66) 4,6-Dinitro-2-methylph... | 15.815 | 198 | 13893 | 18.268 | ng/ul# | 87 |
| 67) N-Nitrosodiphenylamine | 15.950 | 169 | 67085 | 19.200 | ng/ul | 95 |
| 68) 4-Bromophenyl-phenylether | 16.631 | 248 | 29178 | 19.655 | ng/ul | 94 |
| 69) Hexachlorobenzene | 16.749 | 284 | 34286 | 20.413 | ng/ul | 99 |
| 70) Atrazine | 16.890 | 200 | 32948 | 20.646 | ng/ul | 98 |
| 71) Pentachlorophenol | 17.101 | 266 | 11508 | 14.798 | ng/ul | 95 |
| 72) Phenanthrene | 17.489 | 178 | 138874 | 20.009 | ng/ul | 97 |
| 74) Anthracene | 17.583 | 178 | 142702 | 20.289 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.494 | 216 | 33902 | 18.713 | ng/uL | 94 |
| 76) Pentachlorobenzene | 15.016 | 250 | 37347 | 19.484 | ng/uL | 96 |
| 77) Carbazole | 17.847 | 167 | 128368 | 20.415 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.399 | 149 | 157746 | 20.173 | ng/ul | 100 |
| 80) Fluoranthene | 19.498 | 202 | 185647 | 20.396 | ng/ul | 99 |
| 82) Pyrene | 19.856 | 202 | 186512 | 20.638 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.737 | 149 | 72420 | 20.583 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.619 | 252 | 70095 | 20.809 | ng/ul# | 95 |
| 85) Benzo(a)anthracene | 21.707 | 228 | 185527 | 20.699 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.601 | 149 | 106891 | 20.471 | ng/ul# | 95 |
| 87) Chrysene | 21.771 | 228 | 174652 | 20.358 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.835 | 149 | 179214 | 19.580 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.957 | 252 | 194092 | 19.888 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 24.021 | 252 | 195587 | 20.478 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 24.844 | 252 | 176036 | 20.792 | ng/ul | 95 |
| 94) Indeno(1,2,3-cd)pyrene | 28.733 | 276 | 221573 | 20.511 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 28.809 | 278 | 181707 | 20.326 | ng/ul# | 98 |
| 96) Benzo(g,h,i)perylene | 29.902 | 276 | 180987 | 20.151 | ng/ul# | 90 |

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

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