Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110821\
Data File : BG050906.D
Acq On : 9 Nov 2021 9:19
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020542

Quant Time: Nov 09 08:54:27 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110321.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 02 14:49:05 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.231 | 152 | 39762 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.051 | 136 | 178638 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.853 | 164 | 118065 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.597 | 188 | 257846 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.892 | 240 | 219475 | 20.000 | ng/ul | #-0.01 |
| 88) Perylene-d12 | 25.288 | 264 | 222266 | 20.000 | ng/ul | -0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.590 | 96 | 10650 | 8.645 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 4.013 | 84 | 77813 | 21.113 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.367 | 99 | 83648 | 19.719 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.544 | 67 | 56717 | 20.699 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.755 | 132 | 59445 | 20.221 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.924 | 113 | 64213 | 19.229 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.400 | 128 | 32167 | 21.189 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.123 | 143 | 34270 | 20.302 | ng/ul | -0.01 |
| 28) 2,4-Dichlorophenol-d3 | 10.669 | 165 | 59043 | 20.765 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.181 | 131 | 87130 | 20.235 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.248 | 166 | 189895 | 21.023 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.547 | 160 | 240226 | 21.346 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.035 | 143 | 32315 | 19.731 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.840 | 176 | 167781 | 20.968 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.957 | 200 | 29696 | 18.996 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.697 | 188 | 261355 | 21.439 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.970 | 212 | 298033 | 21.024 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.059 | 264 | 245632 | 19.991 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.625 | 88 | 11384 | 8.413 | ng/uL | 95 |
| 5) Pyridine | 4.030 | 79 | 80238 | 21.032 | ng/ul | 98 |
| 6) Benzaldehyde | 7.362 | 77 | 53916 | 20.152 | ng/ul | 95 |
| 8) Phenol | 7.397 | 94 | 87465 | 19.933 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.638 | 93 | 67691 | 20.609 | ng/ul | 96 |
| 12) 2-Chlorophenol | 7.785 | 128 | 61642 | 20.652 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.660 | 108 | 62904 | 19.394 | ng/ul | 95 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.742 | 45 | 102699 | 19.851 | ng/ul | 100 |
| 16) Acetophenone | 9.054 | 105 | 103076 | 19.869 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propyla... | 9.030 | 70 | 61418 | 19.622 | ng/ul | 99 |
| 18) 4-Methylphenol | 8.989 | 108 | 67542 | 19.558 | ng/ul | 98 |
| 19) Hexachloroethane | 9.318 | 117 | 25220 | 20.209 | ng/ul | 98 |
| 22) Nitrobenzene | 9.442 | 77 | 88813 | 20.977 | ng/ul | 97 |
| 23) Isophorone | 9.959 | 82 | 167455 | 20.379 | ng/ul | 99 |
| 25) 2-Nitrophenol | 10.158 | 139 | 35482 | 20.952 | ng/ul | 97 |
| 26) 2,4-Dimethylphenol | 10.199 | 107 | 76915 | 20.637 | ng/ul | 96 |
| 27) Bis(2-Chloroethoxy)met... | 10.440 | 93 | 93212 | 21.053 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.693 | 162 | 58833 | 21.212 | ng/ul | 94 |
| 30) Naphthalene | 11.104 | 128 | 204047 | 20.889 | ng/ul | 99 |
| 32) 4-Chloroaniline | 11.210 | 127 | 88127 | 20.611 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 11.375 | 225 | 38573 | 21.190 | ng/ul | 97 |
| 34) Caprolactam | 11.962 | 113 | 22530 | 19.134 | ng/ul | 93 |
| 35) 4-Chloro-3-methylphenol | 12.309 | 107 | 70801 | 19.983 | ng/ul | 94 |
| 36) 2-Methylnaphthalene | 12.691 | 142 | 135899 | 20.421 | ng/ul | 100 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.908 | 142 | 140002 | 20.762 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachloroben... | 13.055 | 216 | 73257 | 21.295 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 13.026 | 237 | 42050 | 25.454 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 13.290 | 196 | 47380 | 21.048 | ng/ul | 95 |
| 42) 2,4,5-Trichlorophenol | 13.366 | 196 | 47950 | 19.841 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.684 | 154 | 182703 | 21.171 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.736 | 162 | 144179 | 21.320 | ng/ul | 97 |
| 45) 2-Nitroaniline | 13.936 | 65 | 54276 | 20.201 | ng/ul | 96 |
| 47) Dimethylphthalate | 14.289 | 163 | 189417 | 20.972 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.424 | 165 | 40201 | 21.267 | ng/ul | 91 |
| 50) Acenaphthylene | 14.577 | 152 | 237864 | 21.089 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.753 | 138 | 40057 | 20.489 | ng/ul | 91 |
| 52) Acenaphthene | 14.917 | 153 | 155755 | 21.002 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.964 | 184 | 19525 | 18.723 | ng/ul | 94 |
| 55) 4-Nitrophenol | 15.053 | 109 | 28267 | 18.819 | ng/ul | 94 |
| 56) Dibenzofuran | 15.246 | 168 | 221780 | 20.892 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 15.205 | 165 | 55889 | 20.717 | ng/ul# | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.470 | 232 | 38293 | 20.162 | ng/ul | 98 |
| 59) Diethylphthalate | 15.646 | 149 | 199274 | 20.613 | ng/ul | 100 |
| 61) Fluorene | 15.893 | 166 | 175200 | 20.852 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.881 | 204 | 90821 | 20.758 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.910 | 138 | 37050 | 19.102 | ng/ul | 98 |
| 66) 4,6-Dinitro-2-methylph... | 15.969 | 198 | 30086 | 19.735 | ng/ul | 95 |
| 67) N-Nitrosodiphenylamine | 16.093 | 169 | 153186 | 21.254 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.774 | 248 | 54283 | 21.164 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.897 | 284 | 54892 | 20.818 | ng/ul | 93 |
| 70) Atrazine | 17.033 | 200 | 61489 | 20.118 | ng/ul | 97 |
| 71) Pentachlorophenol | 17.244 | 266 | 26132 | 21.586 | ng/ul | 96 |
| 72) Phenanthrene | 17.638 | 178 | 294132 | 21.370 | ng/ul | 100 |
| 74) Anthracene | 17.732 | 178 | 295845 | 21.423 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.654 | 216 | 77097 | 21.960 | ng/uL | 97 |
| 76) Pentachlorobenzene | 15.164 | 250 | 70606 | 21.705 | ng/uL | 99 |
| 77) Carbazole | 17.996 | 167 | 270391 | 21.845 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.531 | 149 | 343021 | 21.090 | ng/ul | 99 |
| 80) Fluoranthene | 19.635 | 202 | 357885 | 21.037 | ng/ul | 99 |
| 82) Pyrene | 20.000 | 202 | 346340 | 20.835 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.863 | 149 | 146720 | 20.526 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.780 | 252 | 107315 | 20.078 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.874 | 228 | 315406 | 20.759 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.745 | 149 | 212579 | 20.718 | ng/ul | 97 |
| 87) Chrysene | 21.945 | 228 | 303664 | 20.921 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 23.014 | 149 | 359775 | 19.882 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.207 | 252 | 309915 | 19.573 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 24.271 | 252 | 296806 | 19.976 | ng/ul | 97 |
| 93) Benzo(a)pyrene | 25.129 | 252 | 299756 | 19.877 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 29.195 | 276 | 334603 | 19.931 | ng/ul | 97 |
| 95) Dibenzo(a,h)anthracene | 29.254 | 278 | 280117 | 19.720 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 30.417 | 276 | 277567 | 19.752 | ng/ul | 96 |

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

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