Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090221\
Data File : BG050146.D
Acq On : 4 Sep 2021 1:48
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 48 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020511

**Manual Integrations APPROVED**
mohammad
9/7/2021 11:34:23 AM

Quant Time: Sep 04 02:34:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 30 14:59:55 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.946 | 152 | 45406 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.771 | 136 | 185402 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.613 | 164 | 124680 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.368 | 188 | 273546 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.639 | 240 | 284214 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.852 | 264 | 287406 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.311 | 96 | 6945m | 7.887 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.734 | 84 | 53181 | 20.051 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.123 | 99 | 78944 | 20.475 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.270 | 67 | 43720 | 20.410 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.487 | 132 | 59610 | 20.662 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.674 | 113 | 60431 | 19.901 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.121 | 128 | 29861 | 20.775 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.849 | 143 | 35358 | 20.659 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.401 | 165 | 63169 | 20.693 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.912 | 131 | 82785 | 19.924 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.014 | 166 | 188678 | 19.774 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.308 | 160 | 229209 | 20.487 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.848 | 143 | 22779 | 16.500 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.606 | 176 | 162202 | 20.049 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.747 | 200 | 33619 | 19.103 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.468 | 188 | 252384 | 20.546 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.759 | 212 | 293680 | 19.121 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.635 | 264 | 307905 | 20.194 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.340 | 88 | 8069m | 7.517 | ng/uL | |
| 5) Pyridine | 3.757 | 79 | 57960 | 20.219 | ng/ul# | 83 |
| 6) Benzaldehyde | 7.082 | 77 | 44519 | 20.064 | ng/ul | 91 |
| 8) Phenol | 7.153 | 94 | 79588 | 20.436 | ng/ul | 95 |
| 10) Bis(2-Chloroethyl)ether | 7.364 | 93 | 55556 | 20.665 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.517 | 128 | 58594 | 20.553 | ng/ul# | 86 |
| 13) 2-Methylphenol | 8.410 | 108 | 59397 | 19.769 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.480 | 45 | 57006 | 20.221 | ng/ul# | 93 |
| 16) Acetophenone | 8.780 | 105 | 96176 | 19.421 | ng/ul# | 96 |
| 17) N-Nitroso-di-n-propyla... | 8.762 | 70 | 49369 | 19.854 | ng/ul | 95 |
| 18) 4-Methylphenol | 8.739 | 108 | 64973 | 20.101 | ng/ul | 84 |
| 19) Hexachloroethane | 9.032 | 117 | 25873 | 20.738 | ng/ul | 97 |
| 22) Nitrobenzene | 9.162 | 77 | 77958 | 20.016 | ng/ul | 99 |
| 23) Isophorone | 9.684 | 82 | 136414 | 19.658 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.878 | 139 | 33798 | 20.311 | ng/ul | 94 |
| 26) 2,4-Dimethylphenol | 9.943 | 107 | 76263 | 20.622 | ng/ul | 90 |
| 27) Bis(2-Chloroethoxy)met... | 10.172 | 93 | 74555 | 20.805 | ng/ul | 95 |
| 29) 2,4-Dichlorophenol | 10.425 | 162 | 60363 | 21.544 | ng/ul | 98 |
| 30) Naphthalene | 10.818 | 128 | 187900 | 20.276 | ng/ul | 98 |
| 32) 4-Chloroaniline | 10.936 | 127 | 80827 | 20.199 | ng/ul | 90 |
| 33) Hexachlorobutadiene | 11.094 | 225 | 45204 | 19.943 | ng/ul | 97 |
| 34) Caprolactam | 11.705 | 113 | 18931m | 19.288 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.075 | 107 | 68502 | 20.457 | ng/ul | 97 |
| 36) 2-Methylnaphthalene | 12.434 | 142 | 143170 | 20.784 | ng/ul | 100 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.651 | 142 | 140874 | 20.260 | ng/ul# | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 12.804 | 216 | 77831 | 21.253 | ng/ul# | 97 |
| 40) Hexachlorocyclopentadiene | 12.774 | 237 | 43036 | 26.259 | ng/ul# | 88 |
| 41) 2,4,6-Trichlorophenol | 13.051 | 196 | 47097 | 20.181 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 13.139 | 196 | 47423 | 19.389 | ng/ul | 88 |
| 43) 1,1'-Biphenyl | 13.438 | 154 | 180551 | 20.728 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.485 | 162 | 144643 | 20.673 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.697 | 65 | 47436 | 19.969 | ng/ul | 99 |
| 47) Dimethylphthalate | 14.061 | 163 | 182095 | 19.283 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.190 | 165 | 39483 | 20.251 | ng/ul | 91 |
| 50) Acenaphthylene | 14.337 | 152 | 210320 | 20.568 | ng/ul | 96 |
| 51) 3-Nitroaniline | 14.525 | 138 | 30481 | 16.202 | ng/ul | 87 |
| 52) Acenaphthene | 14.678 | 153 | 152728 | 20.590 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.754 | 184 | 20442 | 20.529 | ng/ul# | 78 |
| 55) 4-Nitrophenol | 14.860 | 109 | 37173 | 21.238 | ng/ul | 89 |
| 56) Dibenzofuran | 15.013 | 168 | 209655 | 20.410 | ng/ul | 97 |
| 57) 2,4-Dinitrotoluene | 14.989 | 165 | 57555 | 20.523 | ng/ul# | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.248 | 232 | 38212 | 18.853 | ng/ul# | 94 |
| 59) Diethylphthalate | 15.424 | 149 | 185940 | 19.248 | ng/ul | 94 |
| 61) Fluorene | 15.665 | 166 | 175722 | 20.276 | ng/ul | 93 |
| 62) 4-Chlorophenyl-phenyle... | 15.653 | 204 | 92735 | 20.224 | ng/ul | 97 |
| 63) 4-Nitroaniline | 15.694 | 138 | 25616 | 13.644 | ng/ul | 95 |
| 66) 4,6-Dinitro-2-methylph... | 15.764 | 198 | 30937 | 19.395 | ng/ul | 99 |
| 67) N-Nitrosodiphenylamine | 15.870 | 169 | 150942 | 20.959 | ng/ul | 100 |
| 68) 4-Bromophenyl-phenylether | 16.546 | 248 | 64939 | 21.460 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.675 | 284 | 72911 | 20.866 | ng/ul | 95 |
| 70) Atrazine | 16.816 | 200 | 66144 | 20.674 | ng/ul | 99 |
| 71) Pentachlorophenol | 17.027 | 266 | 22328 | 15.090 | ng/ul | 95 |
| 72) Phenanthrene | 17.409 | 178 | 289213 | 21.208 | ng/ul | 97 |
| 74) Anthracene | 17.503 | 178 | 293067 | 21.207 | ng/ul | 96 |
| 75) 1,2,3,4-Tetrachloroben... | 13.415 | 216 | 80674 | 21.982 | ng/uL | 94 |
| 76) Pentachlorobenzene | 14.936 | 250 | 84449 | 21.716 | ng/uL | 94 |
| 77) Carbazole | 17.774 | 167 | 256437 | 20.854 | ng/ul | 97 |
| 78) Di-n-butylphthalate | 18.320 | 149 | 320877 | 20.403 | ng/ul | 97 |
| 80) Fluoranthene | 19.424 | 202 | 367610 | 19.396 | ng/ul | 98 |
| 82) Pyrene | 19.788 | 202 | 355688 | 18.939 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.664 | 149 | 147885 | 19.954 | ng/ul | 93 |
| 84) 3,3'-Dichlorobenzidine | 21.533 | 252 | 125342 | 18.604 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.621 | 228 | 354183 | 20.000 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.510 | 149 | 206346 | 20.274 | ng/ul | 100 |
| 87) Chrysene | 21.686 | 228 | 338818 | 20.239 | ng/ul | 96 |
| 89) Di-n-octyl phthalate | 22.708 | 149 | 343615 | 20.154 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.830 | 252 | 371387 | 20.201 | ng/ul# | 99 |
| 91) Benzo(k)fluoranthene | 23.895 | 252 | 350478 | 20.056 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.705 | 252 | 323460 | 20.259 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 28.547 | 276 | 415384m | 19.723 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.594 | 278 | 337026 | 19.116 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 29.693 | 276 | 335648 | 18.956 | ng/ul | 95 |

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

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