Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030323\
Data File : BG056821.D
Acq On : 4 Mar 2023 3:28
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Mar 04 04:19:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022323.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 02 00:12:28 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.418 | 152 | 16937 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.256 | 136 | 77053 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 15.022 | 164 | 61298 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.754 | 188 | 157583 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 22.066 | 240 | 147577 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.592 | 264 | 164042 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.700 | 96 | 3432 | 11.240 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 4.140 | 84 | 29505 | 23.941 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.542 | 99 | 37154 | 21.921 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.719 | 67 | 22941 | 22.190 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.942 | 132 | 24181 | 21.484 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 9.105 | 113 | 27926 | 21.564 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.593 | 128 | 13845 | 21.441 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.316 | 143 | 16444 | 21.393 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.862 | 165 | 32210 | 22.244 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.379 | 131 | 40645 | 21.520 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.405 | 166 | 106869 | 21.609 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.722 | 160 | 123419 | 21.957 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.180 | 143 | 17737 | 20.801 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 16.003 | 176 | 100106 | 21.882 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 16.109 | 200 | 21853 | 20.728 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.854 | 188 | 162259 | 21.224 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 20.110 | 212 | 196269 | 19.654 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.345 | 264 | 193476 | 21.851 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.741 | 88 | 4021 | 10.681 | ng/uL# | 81 |
| 5) Pyridine | 4.158 | 79 | 32915 | 25.219 | ng/ul | 88 |
| 6) Benzaldehyde | 7.536 | 77 | 23865 | 26.877 | ng/ul | 95 |
| 8) Phenol | 7.572 | 94 | 39209 | 22.680 | ng/ul | 97 |
| 10) Bis(2-Chloroethyl)ether | 7.818 | 93 | 26976 | 21.961 | ng/ul | 95 |
| 12) 2-Chlorophenol | 7.971 | 128 | 24085 | 21.608 | ng/ul | 95 |
| 13) 2-Methylphenol | 8.841 | 108 | 27112 | 20.791 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.935 | 45 | 36413 | 22.061 | ng/ul | 97 |
| 16) Acetophenone | 9.246 | 105 | 49821 | 22.465 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 9.217 | 70 | 27222 | 21.393 | ng/ul | 97 |
| 18) 4-Methylphenol | 9.170 | 108 | 31372 | 22.141 | ng/ul | 90 |
| 19) Hexachloroethane | 9.522 | 117 | 10123 | 21.357 | ng/ul | 96 |
| 22) Nitrobenzene | 9.634 | 77 | 42467 | 22.679 | ng/ul | 99 |
| 23) Isophorone | 10.157 | 82 | 77698 | 21.224 | ng/ul | 98 |
| 25) 2-Nitrophenol | 10.357 | 139 | 16424 | 21.646 | ng/ul# | 91 |
| 26) 2,4-Dimethylphenol | 10.392 | 107 | 38312 | 22.610 | ng/ul | 94 |
| 27) Bis(2-Chloroethoxy)met... | 10.633 | 93 | 39481 | 21.337 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.885 | 162 | 31541 | 22.493 | ng/ul | 97 |
| 30) Naphthalene | 11.308 | 128 | 91278 | 21.521 | ng/ul | 98 |
| 32) 4-Chloroaniline | 11.402 | 127 | 39863 | 21.307 | ng/ul | 94 |
| 33) Hexachlorobutadiene | 11.585 | 225 | 24434 | 21.863 | ng/ul | 94 |
| 34) Caprolactam | 12.143 | 113 | 10478 | 21.980 | ng/ul# | 86 |
| 35) 4-Chloro-3-methylphenol | 12.484 | 107 | 35917 | 22.295 | ng/ul | 98 |
| 36) 2-Methylnaphthalene | 12.877 | 142 | 66374 | 21.852 | ng/ul | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 13.095 | 142 | 65006 | 21.706 | ng/ul | 94 |
| 39) 1,2,4,5-Tetrachloroben... | 13.236 | 216 | 49639 | 22.841 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 13.212 | 237 | 29098 | 18.685 | ng/ul# | 86 |
| 41) 2,4,6-Trichlorophenol | 13.465 | 196 | 31759 | 21.870 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 13.535 | 196 | 35091 | 22.255 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.858 | 154 | 97835 | 21.705 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.911 | 162 | 81501 | 21.853 | ng/ul | 96 |
| 45) 2-Nitroaniline | 14.099 | 65 | 29916 | 23.110 | ng/ul | 93 |
| 47) Dimethylphthalate | 14.452 | 163 | 105741 | 21.024 | ng/ul# | 98 |
| 48) 2,6-Dinitrotoluene | 14.581 | 165 | 22867 | 22.179 | ng/ul | 87 |
| 50) Acenaphthylene | 14.751 | 152 | 123583 | 21.763 | ng/ul | 97 |
| 51) 3-Nitroaniline | 14.910 | 138 | 20477 | 22.192 | ng/ul# | 99 |
| 52) Acenaphthene | 15.086 | 153 | 84618 | 21.692 | ng/ul | 95 |
| 53) 2,4-Dinitrophenol | 15.110 | 184 | 13896 | 21.039 | ng/ul | 91 |
| 55) 4-Nitrophenol | 15.198 | 109 | 21837 | 22.125 | ng/ul | 95 |
| 56) Dibenzofuran | 15.415 | 168 | 131120 | 22.142 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 15.357 | 165 | 33584 | 22.721 | ng/ul | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.633 | 232 | 31985 | 21.798 | ng/ul# | 96 |
| 59) Diethylphthalate | 15.803 | 149 | 106992 | 21.252 | ng/ul | 98 |
| 61) Fluorene | 16.062 | 166 | 103592 | 21.847 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 16.038 | 204 | 62173 | 22.137 | ng/ul | 98 |
| 63) 4-Nitroaniline | 16.068 | 138 | 19907 | 22.080 | ng/ul | 90 |
| 66) 4,6-Dinitro-2-methylph... | 16.120 | 198 | 20754 | 20.448 | ng/ul# | 97 |
| 67) N-Nitrosodiphenylamine | 16.250 | 169 | 90849 | 20.732 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.931 | 248 | 42709 | 21.387 | ng/ul | 92 |
| 69) Hexachlorobenzene | 17.061 | 284 | 46116 | 21.495 | ng/ul | 97 |
| 70) Atrazine | 17.184 | 200 | 40166 | 21.104 | ng/ul | 98 |
| 71) Pentachlorophenol | 17.395 | 266 | 24391 | 20.022 | ng/ul | 93 |
| 72) Phenanthrene | 17.801 | 178 | 179667 | 21.048 | ng/ul | 99 |
| 74) Anthracene | 17.889 | 178 | 182956 | 21.209 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.835 | 216 | 53025 | 21.995 | ng/uL | 96 |
| 76) Pentachlorobenzene | 15.333 | 250 | 52763 | 21.580 | ng/uL | 96 |
| 77) Carbazole | 18.148 | 167 | 153528 | 21.271 | ng/ul | 97 |
| 78) Di-n-butylphthalate | 18.676 | 149 | 175951 | 21.152 | ng/ul | 99 |
| 80) Fluoranthene | 19.781 | 202 | 232808 | 19.281 | ng/ul | 99 |
| 82) Pyrene | 20.139 | 202 | 233827 | 19.656 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.997 | 149 | 76838 | 20.361 | ng/ul | 94 |
| 84) 3,3'-Dichlorobenzidine | 21.943 | 252 | 86193 | 23.295 | ng/ul | 95 |
| 85) Benzo(a)anthracene | 22.043 | 228 | 232171 | 21.616 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.902 | 149 | 113155 | 21.345 | ng/ul | 97 |
| 87) Chrysene | 22.113 | 228 | 215830 | 21.575 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 23.218 | 149 | 191267 | 21.447 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.464 | 252 | 234834 | 21.384 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 24.534 | 252 | 234309 | 21.905 | ng/ul | 95 |
| 93) Benzo(a)pyrene | 25.421 | 252 | 204786 | 21.215 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 29.658 | 276 | 276648 | 21.097 | ng/ul# | 97 |
| 95) Dibenzo(a,h)anthracene | 29.722 | 278 | 228419 | 20.833 | ng/ul | 96 |
| 96) Benzo(g,h,i)perylene | 30.938 | 276 | 221192 | 21.117 | ng/ul | 95 |

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

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