Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090721\
Data File : BG050177.D
Acq On : 7 Sep 2021 22:43
Operator : CG/JU
Sample : PB138843BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS843

**Manual Integrations APPROVED**
mohammad
9/9/2021 8:39:43 AM

Quant Time: Sep 08 01:50:15 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 07 18:32:38 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.947 | 152 | 31750 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.766 | 136 | 129955 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.608 | 164 | 85036 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.363 | 188 | 185716 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.634 | 240 | 193088 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.847 | 264 | 200155 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.306 | 96 | 6207 | 9.665 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.735 | 84 | 88477 | 38.811 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.124 | 99 | 98913 | 40.124 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.265 | 67 | 60112 | 41.753 | ng/ul | -0.02 |
| 11) 2-Chlorophenol-d4 | 7.483 | 132 | 72377 | 35.376 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.669 | 113 | 65546 | 33.817 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.122 | 128 | 43155 | 48.380 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.850 | 143 | 43298 | 39.919 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.396 | 165 | 67566 | 32.638 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.907 | 131 | 76629 | 30.045 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.009 | 166 | 198989 | 30.991 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.303 | 160 | 244956 | 32.039 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.843 | 143 | 25429 | 32.822 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.607 | 176 | 170672 | 32.013 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.742 | 200 | 33546 | 29.945 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.463 | 188 | 269021 | 32.268 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.754 | 212 | 328993 | 34.207 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.630 | 264 | 329205 | 31.070 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.341 | 88 | 14148 | 19.346 | ng/uL | 96 |
| 5) Pyridine | 3.752 | 79 | 91433 | 38.158 | ng/ul# | 89 |
| 6) Benzaldehyde | 7.077 | 77 | 78694 | 57.586 | ng/ul | 98 |
| 8) Phenol | 7.148 | 94 | 103487 | 42.630 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 7.365 | 93 | 96206 | 53.452 | ng/ul | 95 |
| 12) 2-Chlorophenol | 7.512 | 128 | 77118 | 38.683 | ng/ul# | 83 |
| 13) 2-Methylphenol | 8.405 | 108 | 66551 | 34.061 | ng/ul | 94 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.481 | 45 | 60354 | 33.226 | ng/ul | 95 |
| 16) Acetophenone | 8.781 | 105 | 108408 | 38.015 | ng/ul | 95 |
| 17) N-Nitroso-di-n-propyla... | 8.757 | 70 | 53246 | 35.014 | ng/ul | 95 |
| 18) 4-Methylphenol | 8.734 | 108 | 69741 | 37.580 | ng/ul | 86 |
| 19) Hexachloroethane | 9.028 | 117 | 37074 | 44.583 | ng/ul | 96 |
| 22) Nitrobenzene | 9.169 | 77 | 110427 | 47.536 | ng/ul | 97 |
| 23) Isophorone | 9.685 | 82 | 178136 | 40.157 | ng/ul | 97 |
| 25) 2-Nitrophenol | 9.879 | 139 | 45214 | 42.255 | ng/ul | 89 |
| 26) 2,4-Dimethylphenol | 9.944 | 107 | 91293 | 35.853 | ng/ul | 94 |
| 27) Bis(2-Chloroethoxy)met... | 10.167 | 93 | 81850 | 30.418 | ng/ul# | 98 |
| 29) 2,4-Dichlorophenol | 10.426 | 162 | 65692 | 34.694 | ng/ul | 96 |
| 30) Naphthalene | 10.819 | 128 | 210366 | 35.246 | ng/ul | 97 |
| 32) 4-Chloroaniline | 10.931 | 127 | 78316 | 32.598 | ng/ul | 93 |
| 33) Hexachlorobutadiene | 11.095 | 225 | 53531 | 35.667 | ng/ul | 87 |
| 34) Caprolactam | 11.700 | 113 | 26756m | 46.447 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.076 | 107 | 92901 | 43.533 | ng/ul | 98 |
| 36) 2-Methylnaphthalene | 12.429 | 142 | 245477 | 55.618 | ng/ul | 96 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.652 | 142 | 203303 | 47.971 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.805 | 216 | 104795 | 36.436 | ng/ul# | 96 |
| 40) Hexachlorocyclopentadiene | 12.775 | 237 | 16957 | 21.743 | ng/ul# | 92 |
| 41) 2,4,6-Trichlorophenol | 13.052 | 196 | 54269 | 33.420 | ng/ul | 94 |
| 42) 2,4,5-Trichlorophenol | 13.134 | 196 | 52575 | 30.960 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.439 | 154 | 197996 | 32.252 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.486 | 162 | 156095 | 32.333 | ng/ul | 96 |
| 45) 2-Nitroaniline | 13.692 | 65 | 51187 | 33.491 | ng/ul | 94 |
| 47) Dimethylphthalate | 14.056 | 163 | 202444 | 33.033 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.191 | 165 | 44832 | 34.357 | ng/ul# | 87 |
| 50) Acenaphthylene | 14.332 | 152 | 233220 | 32.639 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.520 | 138 | 41243 | 34.717 | ng/ul | 91 |
| 52) Acenaphthene | 14.673 | 153 | 165976 | 32.599 | ng/ul | 96 |
| 53) 2,4-Dinitrophenol | 14.761 | 184 | 14039 | 26.270 | ng/ul# | 72 |
| 55) 4-Nitrophenol | 14.855 | 109 | 29631 | 34.367 | ng/ul | 92 |
| 56) Dibenzofuran | 15.008 | 168 | 230645 | 32.927 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.990 | 165 | 63167 | 33.875 | ng/ul# | 93 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.249 | 232 | 45513 | 35.385 | ng/ul# | 88 |
| 59) Diethylphthalate | 15.419 | 149 | 209805 | 33.871 | ng/ul | 96 |
| 61) Fluorene | 15.660 | 166 | 194820 | 33.173 | ng/ul | 94 |
| 62) 4-Chlorophenyl-phenyle... | 15.648 | 204 | 103647 | 33.146 | ng/ul | 96 |
| 63) 4-Nitroaniline | 15.689 | 138 | 44251 | 39.995 | ng/ul | 97 |
| 66) 4,6-Dinitro-2-methylph... | 15.760 | 198 | 31845 | 32.007 | ng/ul | 99 |
| 67) N-Nitrosodiphenylamine | 15.865 | 169 | 166301 | 33.116 | ng/ul | 96 |
| 68) 4-Bromophenyl-phenylether | 16.547 | 248 | 72182 | 32.798 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.670 | 284 | 82383 | 33.016 | ng/ul | 96 |
| 70) Atrazine | 16.817 | 200 | 72018 | 34.203 | ng/ul | 98 |
| 71) Pentachlorophenol | 17.028 | 266 | 15689 | 22.954 | ng/ul | 91 |
| 72) Phenanthrene | 17.404 | 178 | 319658 | 33.748 | ng/ul | 98 |
| 74) Anthracene | 17.498 | 178 | 321624 | 33.487 | ng/ul | 95 |
| 75) 1,2,3,4-Tetrachloroben... | 13.410 | 216 | 93496 | 32.485 | ng/uL | 90 |
| 76) Pentachlorobenzene | 14.931 | 250 | 93418 | 31.436 | ng/uL | 96 |
| 77) Carbazole | 17.775 | 167 | 283114 | 33.436 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.315 | 149 | 352715 | 34.445 | ng/ul | 99 |
| 80) Fluoranthene | 19.419 | 202 | 406697 | 34.022 | ng/ul# | 98 |
| 82) Pyrene | 19.784 | 202 | 406471 | 34.668 | ng/ul# | 97 |
| 83) Butylbenzylphthalate | 20.659 | 149 | 158295 | 35.302 | ng/ul | 95 |
| 84) 3,3'-Dichlorobenzidine | 21.528 | 252 | 144991 | 34.813 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.616 | 228 | 395637 | 33.469 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.505 | 149 | 222190 | 33.179 | ng/ul | 99 |
| 87) Chrysene | 21.681 | 228 | 375570 | 34.083 | ng/ul | 96 |
| 89) Di-n-octyl phthalate | 22.703 | 149 | 375656 | 32.429 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.825 | 252 | 425489 | 33.968 | ng/ul# | 97 |
| 91) Benzo(k)fluoranthene | 23.890 | 252 | 395302m | 33.060 | ng/ul | |
| 93) Benzo(a)pyrene | 24.700 | 252 | 361534 | 33.014 | ng/ul# | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 28.542 | 276 | 464934m | 32.401 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.589 | 278 | 383791 | 32.242 | ng/ul# | 95 |
| 96) Benzo(g,h,i)perylene | 29.682 | 276 | 375564 | 32.667 | ng/ul | 95 |

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

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