Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081415\
Data File : BG018439.D
Acq On : 14 Aug 2015 21:49
Operator : UM/MA
Sample : MDL-05-W
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 17 04:12:06 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 03:15:20 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.02 | 152 | 77968 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.83 | 136 | 360772 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.64 | 164 | 240732 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.39 | 188 | 627798 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.64 | 240 | 656801 | 20.00 | ng/ul | -0.01 |
| 86) Perylene-d12 | 24.85 | 264 | 639817 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.45 | 96 | 12715 | 7.21 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.17 | 99 | 243080 | 34.35 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.34 | 67 | 154703 | 35.28 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.55 | 132 | 181291 | 33.45 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.72 | 113 | 205523 | 34.57 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.17 | 128 | 99504 | 35.38 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.90 | 143 | 106277 | 37.10 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.44 | 165 | 199454 | 32.81 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.95 | 131 | 289878 | 42.20 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.04 | 166 | 725105 | 35.80 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.34 | 160 | 877971 | 34.42 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.83 | 143 | 145341 | 39.89 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.64 | 176 | 633864 | 35.93 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.74 | 200 | 112515 | 36.44 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.49 | 188 | 1067743 | 35.56 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.77 | 212 | 1199517 | 35.20 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.63 | 264 | 1240335 | 36.52 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 1451 | 0.77 | ng/uL# | 83 |
| 4) Benzaldehyde | 7.15 | 77 | 16386 | 3.95 | ng/ul | 89 |
| 6) Phenol | 7.20 | 94 | 21986 | 3.05 | ng/ul | 96 |
| 8) Bis(2-Chloroethyl)ether | 7.44 | 93 | 17865 | 3.22 | ng/ul | 90 |
| 10) 2-Chlorophenol | 7.58 | 128 | 16870 | 3.05 | ng/ul | 92 |
| 11) 2-Methylphenol | 8.46 | 108 | 16670 | 2.98 | ng/ul | 95 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.55 | 45 | 22876 | 2.57 | ng/ul# | 94 |
| 14) Acetophenone | 8.83 | 105 | 29921 | 3.48 | ng/ul# | 91 |
| 15) N-Nitroso-di-n-propylamine | 8.82 | 70 | 15917 | 3.23 | ng/ul# | 89 |
| 16) 4-Methylphenol | 8.78 | 108 | 18868 | 3.09 | ng/ul | 89 |
| 17) Hexachloroethane | 9.10 | 117 | 7712 | 3.24 | ng/ul | 87 |
| 20) Nitrobenzene | 9.22 | 77 | 22878 | 3.22 | ng/ul# | 95 |
| 21) Isophorone | 9.74 | 82 | 45795 | 3.35 | ng/ul# | 95 |
| 23) 2-Nitrophenol | 9.93 | 139 | 9713 | 3.05 | ng/ul# | 87 |
| 24) 2,4-Dimethylphenol | 9.99 | 107 | 21018 | 2.95 | ng/ul | 86 |
| 25) Bis(2-Chloroethoxy)methane | 10.22 | 93 | 26308 | 3.09 | ng/ul | 94 |
| 27) 2,4-Dichlorophenol | 10.47 | 162 | 18115 | 3.18 | ng/ul | 90 |
| 28) Naphthalene | 10.87 | 128 | 59191 | 3.10 | ng/ul# | 96 |
| 30) 4-Chloroaniline | 10.97 | 127 | 27169 | 3.89 | ng/ul | 92 |
| 31) Hexachlorobutadiene | 11.15 | 225 | 11041 | 3.07 | ng/ul# | 85 |
| 32) Caprolactam | 11.75 | 113 | 8710m | 3.80 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.09 | 107 | 19916 | 3.02 | ng/ul | 94 |
| 34) 2-Methylnaphthalene | 12.48 | 142 | 44469 | 3.22 | ng/ul | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 37) 1,2,4,5-Tetrachlorobenzene | 12.84 | 216 | 23201 | 3.01 ng/ul# | 94 |
| 38) Hexachlorocyclopentadiene | 12.82 | 237 | 11722 | 2.55 ng/ul# | 93 |
| 39) 2,4,6-Trichlorophenol | 13.08 | 196 | 15084 | 2.87 ng/ul | 97 |
| 40) 2,4,5-Trichlorophenol | 13.15 | 196 | 15871m | 2.81 ng/ul | |
| 41) 1,1'-Biphenyl | 13.48 | 154 | 60056 | 2.99 ng/ul | 100 |
| 42) 2-Chloronaphthalene | 13.52 | 162 | 48806 | 3.13 ng/ul | 98 |
| 43) 2-Nitroaniline | 13.72 | 65 | 15214 | 3.02 ng/ul | 90 |
| 45) Dimethylphthalate | 14.09 | 163 | 67106 | 3.36 ng/ul | 98 |
| 46) 2,6-Dinitrotoluene | 14.21 | 165 | 13198 | 3.32 ng/ul# | 96 |
| 48) Acenaphthylene | 14.36 | 152 | 83419 | 3.26 ng/ul# | 96 |
| 49) 3-Nitroaniline | 14.53 | 138 | 14236 | 3.51 ng/ul | 98 |
| 50) Acenaphthene | 14.71 | 153 | 56687 | 3.16 ng/ul | 97 |
| 51) 2,4-Dinitrophenol | 14.74 | 184 | 4882 | 2.52 ng/ul | 87 |
| 53) 4-Nitrophenol | 14.84 | 109 | 10786 | 3.41 ng/ul | 89 |
| 54) Dibenzofuran | 15.04 | 168 | 81600 | 3.48 ng/ul | 94 |
| 55) 2,4-Dinitrotoluene | 15.00 | 165 | 19649 | 3.46 ng/ul | 90 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.27 | 232 | 15261 | 3.10 ng/ul# | 78 |
| 57) Diethylphthalate | 15.46 | 149 | 72632 | 3.42 ng/ul | 94 |
| 59) Fluorene | 15.69 | 166 | 71035 | 3.52 ng/ul | 86 |
| 60) 4-Chlorophenyl-phenylether | 15.68 | 204 | 31961 | 3.35 ng/ul# | 88 |
| 61) 4-Nitroaniline | 15.70 | 138 | 17170 | 3.83 ng/ul | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 15.76 | 198 | 11144 | 3.38 ng/ul# | 80 |
| 65) N-Nitrosodiphenylamine | 15.89 | 169 | 57649 | 3.05 ng/ul | 98 |
| 66) 4-Bromophenyl-phenylether | 16.58 | 248 | 20244 | 2.98 ng/ul | 93 |
| 67) Hexachlorobenzene | 16.69 | 284 | 22889 | 3.19 ng/ul | 97 |
| 68) Atrazine | 16.84 | 200 | 24402 | 3.45 ng/ul# | 87 |
| 69) Pentachlorophenol | 17.04 | 266 | 11063 | 2.30 ng/ul | 97 |
| 70) Phenanthrene | 17.43 | 178 | 115069 | 3.38 ng/ul | 95 |
| 72) Anthracene | 17.52 | 178 | 117728 | 3.39 ng/ul | 96 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.45 | 216 | 21022 | 2.42 ng/uL | 97 |
| 74) Pentachlorobenzene | 14.96 | 250 | 22773 | 2.75 ng/uL | 96 |
| 75) Carbazole | 17.78 | 167 | 114147 | 3.75 ng/ul | 98 |
| 76) Di-n-butylphthalate | 18.35 | 149 | 142603 | 3.59 ng/ul | 99 |
| 77) Fluoranthene | 19.43 | 202 | 145544 | 4.00 ng/ul | 99 |
| 80) Pyrene | 19.80 | 202 | 149493 | 3.37 ng/ul | 98 |
| 81) Butylbenzylphthalate | 20.68 | 149 | 60980 | 3.25 ng/ul | 96 |
| 82) 3,3'-Dichlorobenzidine | 21.54 | 252 | 49510 | 3.63 ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.62 | 228 | 137768 | 3.38 ng/ul | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.54 | 149 | 89263 | 3.36 ng/ul | 97 |
| 85) Chrysene | 21.69 | 228 | 127433 | 3.35 ng/ul | 95 |
| 87) Di-n-octyl phthalate | 22.75 | 149 | 156709 | 3.80 ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 23.82 | 252 | 129015 | 3.21 ng/ul# | 92 |
| 89) Benzo(k)fluoranthene | 23.90 | 252 | 129467 | 3.34 ng/ul | 97 |
| 91) Benzo(a)pyrene | 24.70 | 252 | 127989 | 3.35 ng/ul | 98 |
| 92) Indeno(1,2,3-cd)pyrene | 28.48 | 276 | 142203m | 3.22 ng/ul | |
| 93) Dibenzo(a,h)anthracene | 28.55 | 278 | 110072 | 3.00 ng/ul | 98 |
| 94) Benzo(g,h,i)perylene | 29.61 | 276 | 116596m | 3.14 ng/ul | |

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

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