Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050916\
Data File : BG021805.D
Acq On : 9 May 2016 12:35
Operator : UM/SJ
Sample : SSTD08011
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD08011

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5/10/2016 7:02:20 PM

Quant Time: May 09 13:47:02 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 09 12:51:39 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.19 | 152 | 70387 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.00 | 136 | 364398 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.81 | 164 | 225572 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.55 | 188 | 489036 | 20.00 | ng/ul | 0.00 |
| 76) Chrysene-d12 | 21.83 | 240 | 506947 | 20.00 | ng/ul | 0.00 |
| 84) Perylene-d12 | 25.18 | 264 | 469068 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.57 | 96 | 40385 | 25.74 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.33 | 99 | 472069 | 70.94 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.51 | 67 | 215713 | 54.72 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.71 | 132 | 390645 | 77.30 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.89 | 113 | 400729 | 70.31 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.36 | 128 | 216702 | 79.26 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.08 | 143 | 169264 | 54.16 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.62 | 165 | 411964 | 73.75 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.14 | 131 | 351670 | 48.15 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.21 | 166 | 1209948 | 64.42 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.51 | 160 | 1604556 | 69.31 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 15.01 | 143 | 240291 | 80.04 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.80 | 176 | 1152396 | 68.05 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.92 | 200 | 142238 | 44.03 | ng/ul | 0.01 |
| 71) Anthracene-d10 | 17.65 | 188 | 1602294m | 66.86 | ng/ul | 0.00 |
| 77) Pyrene-d10 | 19.92 | 212 | 1656672 | 70.08 | ng/ul | 0.00 |
| 88) Benzo(a)pyrene-d12 | 24.95 | 264 | 1727087 | 79.78 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.61 | 88 | 72414 | 34.18 | ng/uL# | 67 |
| 4) Benzaldehyde | 7.34 | 77 | 49918m | 12.31 | ng/ul | |
| 6) Phenol | 7.36 | 94 | 478345 | 67.99 | ng/ul# | 72 |
| 8) Bis(2-Chloroethyl)ether | 7.60 | 93 | 356901m | 70.08 | ng/ul | |
| 10) 2-Chlorophenol | 7.75 | 128 | 391475 | 75.37 | ng/ul# | 76 |
| 11) 2-Methylphenol | 8.62 | 108 | 387645 | 71.60 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.72 | 45 | 307028 | 49.98 | ng/ul# | 85 |
| 14) Acetophenone | 9.02 | 105 | 579057 | 62.27 | ng/ul# | 67 |
| 15) N-Nitroso-di-n-propylamine | 9.01 | 70 | 260429 | 50.52 | ng/ul# | 73 |
| 16) 4-Methylphenol | 8.96 | 108 | 413722 | 67.36 | ng/ul | 87 |
| 17) Hexachloroethane | 9.27 | 117 | 136069 | 62.43 | ng/ul | 99 |
| 20) Nitrobenzene | 9.40 | 77 | 367251 | 47.56 | ng/ul# | 66 |
| 21) Isophorone | 9.93 | 82 | 802522 | 53.91 | ng/ul# | 84 |
| 23) 2-Nitrophenol | 10.11 | 139 | 198689 | 57.60 | ng/ul# | 56 |
| 24) 2,4-Dimethylphenol | 10.16 | 107 | 417610m | 53.64 | ng/ul | |
| 25) Bis(2-Chloroethoxy)methane | 10.40 | 93 | 508283 | 65.55 | ng/ul# | 94 |
| 27) 2,4-Dichlorophenol | 10.65 | 162 | 404479 | 69.73 | ng/ul | 92 |
| 28) Naphthalene | 11.06 | 128 | 1326974 | 68.68 | ng/ul# | 96 |
| 30) 4-Chloroaniline | 11.16 | 127 | 354552 | 46.26 | ng/ul | 94 |
| 31) Hexachlorobutadiene | 11.33 | 225 | 220104 | 51.52 | ng/ul | 98 |
| 32) Caprolactam | 11.96 | 113 | 155031m | 71.16 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.27 | 107 | 393226 | 55.51 | ng/ul# | 63 |
| 34) 2-Methylnaphthalene | 12.65 | 142 | 1014373 | 70.75 | ng/ul | 95 |

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|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.87 | 142 | 979347 | 70.39 ng/ul# | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.01 | 216 | 499402 | 63.25 ng/ul# | 90 |
| 38) Hexachlorocyclopentadiene | 12.98 | 237 | 274604 | 94.95 ng/ul# | 95 |
| 39) 2,4,6-Trichlorophenol | 13.24 | 196 | 309475 | 66.67 ng/ul | 96 |
| 40) 2,4,5-Trichlorophenol | 13.32 | 196 | 350281 | 69.14 ng/ul | 95 |
| 41) 1,1'-Biphenyl | 13.64 | 154 | 1288297 | 69.82 ng/ul | 97 |
| 42) 2-Chloronaphthalene | 13.69 | 162 | 997201 | 69.09 ng/ul | 95 |
| 43) 2-Nitroaniline | 13.89 | 65 | 198386 | 39.41 ng/ul# | 12 |
| 45) Dimethylphthalate | 14.26 | 163 | 1189300 | 60.94 ng/ul | 98 |
| 46) 2,6-Dinitrotoluene | 14.38 | 165 | 284044 | 71.33 ng/ul# | 63 |
| 48) Acenaphthylene | 14.54 | 152 | 1616609 | 70.48 ng/ul | 94 |
| 49) 3-Nitroaniline | 14.72 | 138 | 296830 | 80.57 ng/ul# | 63 |
| 50) Acenaphthene | 14.87 | 153 | 1145822 | 72.42 ng/ul | 95 |
| 51) 2,4-Dinitrophenol | 14.92 | 184 | 80096 | 39.92 ng/ul# | 48 |
| 53) 4-Nitrophenol | 15.02 | 109 | 110606 | 35.51 ng/ul# | 36 |
| 54) Dibenzofuran | 15.21 | 168 | 1473487 | 66.48 ng/ul | 89 |
| 55) 2,4-Dinitrotoluene | 15.16 | 165 | 384275 | 65.82 ng/ul# | 55 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.43 | 232 | 288222 | 77.82 ng/ul# | 87 |
| 57) Diethylphthalate | 15.62 | 149 | 1190739 | 57.09 ng/ul# | 93 |
| 59) Fluorene | 15.85 | 166 | 1257235 | 64.88 ng/ul | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.84 | 204 | 630737 | 61.97 ng/ul | 88 |
| 61) 4-Nitroaniline | 15.89 | 138 | 336261 | 87.09 ng/ul# | 47 |
| 64) 4,6-Dinitro-2-methylphenol | 15.93 | 198 | 152573 | 44.72 ng/ul# | 75 |
| 65) N-Nitrosodiphenylamine | 16.05 | 169 | 1102774 | 72.79 ng/ul | 88 |
| 66) 4-Bromophenyl-phenylether | 16.73 | 248 | 411122m | 71.97 ng/ul | |
| 67) Hexachlorobenzene | 16.85 | 284 | 459660 | 76.29 ng/ul# | 82 |
| 68) Atrazine | 17.00 | 200 | 342540 | 56.06 ng/ul | 96 |
| 69) Pentachlorophenol | 17.20 | 266 | 220304 | 138.26 ng/ul | 95 |
| 70) Phenanthrene | 17.59 | 178 | 1846131 | 66.66 ng/ul# | 88 |
| 72) Anthracene | 17.68 | 178 | 1856230 | 65.87 ng/ul# | 90 |
| 73) Carbazole | 17.95 | 167 | 1781409 | 73.07 ng/ul | 94 |
| 74) Di-n-butylphthalate | 18.50 | 149 | 1848796 | 58.78 ng/ul# | 93 |
| 75) Fluoranthene | 19.59 | 202 | 2023536 | 60.54 ng/ul# | 87 |
| 78) Pyrene | 19.95 | 202 | 1951537 | 64.61 ng/ul# | 83 |
| 79) Butylbenzylphthalate | 20.83 | 149 | 773634 | 60.64 ng/ul# | 81 |
| 80) 3,3'-Dichlorobenzidine | 21.73 | 252 | 741394 | 70.52 ng/ul | 99 |
| 81) Benzo(a)anthracene | 21.82 | 228 | 1991872 | 65.09 ng/ul# | 87 |
| 82) Bis(2-ethylhexyl)phthalate | 21.70 | 149 | 1199257 | 64.27 ng/ul | 91 |
| 83) Chrysene | 21.89 | 228 | 1884756 | 65.03 ng/ul# | 87 |
| 85) Di-n-octyl phthalate | 22.96 | 149 | 1905712 | 59.85 ng/ul | 100 |
| 86) Benzo(b)fluoranthene | 24.11 | 252 | 2140557 | 71.04 ng/ul# | 92 |
| 87) Benzo(k)fluoranthene | 24.19 | 252 | 2040532 | 68.94 ng/ul# | 90 |
| 89) Benzo(a)pyrene | 25.03 | 252 | 2064979 | 70.60 ng/ul# | 91 |
| 90) Indeno(1,2,3-cd)pyrene | 29.02 | 276 | 2574257 | 77.44 ng/ul# | 92 |
| 91) Dibenzo(a,h)anthracene | 29.09 | 278 | 2119592 | 74.95 ng/ul# | 95 |
| 92) Benzo(g,h,i)perylene | 30.22 | 276 | 2075652 | 75.93 ng/ul# | 91 |

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

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