Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002124.D
Acq On : 29 Jul 2015 14:51
Operator : TP/UM
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02086

Manual Integrations APPROVED
apatel
7/30/2015 7:49:34 AM

Quant Time: Jul 29 17:17:23 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 29 01:50:38 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.59 | 152 | 65898 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.37 | 136 | 282760 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.25 | 164 | 181200 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.00 | 188 | 427525 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.21 | 240 | 500539 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.41 | 264 | 450384 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.05 | 96 | 8532 | 6.70 | ng/uL | -0.01 |
| 5) Phenol-d5 | 6.77 | 99 | 90781 | 19.27 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.93 | 67 | 49019 | 18.82 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.12 | 132 | 77284 | 19.35 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.30 | 113 | 77442 | 20.68 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.75 | 128 | 38501 | 19.16 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4 | 9.47 | 143 | 44653 | 19.99 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.00 | 165 | 86227 | 20.05 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.52 | 131 | 97826 | 20.70 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.67 | 166 | 263023 | 19.82 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.95 | 160 | 314521 | 18.95 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.48 | 143 | 43176 | 19.49 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.25 | 176 | 227840 | 19.51 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 47881 | 18.31 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.10 | 188 | 358525 | 18.79 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.41 | 212 | 406320 | 19.28 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.27 | 264 | 412712 | 18.90 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.09 | 88 | 9198 | 6.76 | ng/uL | 96 |
| 4) Benzaldehyde | 6.73 | 77 | 49696 | 19.87 | ng/ul | 94 |
| 6) Phenol | 6.79 | 94 | 92961 | 19.30 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 7.02 | 93 | 69775 | 19.26 | ng/ul | 99 |
| 10) 2-Chlorophenol | 7.15 | 128 | 77508 | 19.36 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.04 | 108 | 73873 | 20.25 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.13 | 45 | 67876 | 18.29 | ng/ul | 96 |
| 14) Acetophenone | 8.41 | 105 | 122954 | 20.74 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.39 | 70 | 60943 | 21.21 | ng/ul | 98 |
| 16) 4-Methylphenol | 8.37 | 108 | 80994 | 20.67 | ng/ul | 96 |
| 17) Hexachloroethane | 8.65 | 117 | 31641 | 19.33 | ng/ul | 97 |
| 20) Nitrobenzene | 8.79 | 77 | 86815 | 18.41 | ng/ul | 97 |
| 21) Isophorone | 9.31 | 82 | 165722 | 19.70 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.50 | 139 | 48096 | 19.71 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 9.56 | 107 | 93271 | 19.47 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 9.80 | 93 | 97073 | 18.95 | ng/ul# | 99 |
| 27) 2,4-Dichlorophenol | 10.03 | 162 | 82398 | 19.76 | ng/ul | 97 |
| 28) Naphthalene | 10.43 | 128 | 249770 | 18.59 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.55 | 127 | 100763 | 20.49 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.70 | 225 | 58525 | 18.77 | ng/ul | 95 |
| 32) Caprolactam | 11.30 | 113 | 26154m | 22.41 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.68 | 107 | 87618 | 21.17 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.05 | 142 | 195661 | 20.02 | ng/ul | 98 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.27 | 142 | 188108 | 20.02 | ng/ul | 99 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.42 | 216 | 114075 | 18.10 | ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 12.40 | 237 | 56331 | 15.68 | ng/ul | 95 |
| 39) 2,4,6-Trichlorophenol | 12.67 | 196 | 72005 | 19.47 | ng/ul | 97 |
| 40) 2,4,5-Trichlorophenol | 12.75 | 196 | 78078 | 19.53 | ng/ul | 98 |
| 41) 1,1'-Biphenyl | 13.08 | 154 | 254200 | 18.20 | ng/ul | 99 |
| 42) 2-Chloronaphthalene | 13.12 | 162 | 198001 | 18.24 | ng/ul | 98 |
| 43) 2-Nitroaniline | 13.34 | 65 | 52493 | 19.40 | ng/ul | 96 |
| 45) Dimethylphthalate | 13.72 | 163 | 258116 | 19.48 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 13.84 | 165 | 54033 | 20.04 | ng/ul | 95 |
| 48) Acenaphthylene | 13.97 | 152 | 323568 | 18.90 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.17 | 138 | 47018 | 19.60 | ng/ul | 92 |
| 50) Acenaphthene | 14.32 | 153 | 211341 | 18.83 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.39 | 184 | 28181 | 17.76 | ng/ul | 96 |
| 53) 4-Nitrophenol | 14.49 | 109 | 37646 | 20.41 | ng/ul | 94 |
| 54) Dibenzofuran | 14.66 | 168 | 308603 | 19.17 | ng/ul | 100 |
| 55) 2,4-Dinitrotoluene | 14.63 | 165 | 80165 | 20.70 | ng/ul | 100 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.89 | 232 | 67760 | 20.17 | ng/ul | 99 |
| 57) Diethylphthalate | 15.09 | 149 | 256895 | 19.65 | ng/ul | 99 |
| 59) Fluorene | 15.31 | 166 | 258954 | 19.46 | ng/ul | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.30 | 204 | 137901 | 19.38 | ng/ul | 98 |
| 61) 4-Nitroaniline | 15.34 | 138 | 51365 | 20.08 | ng/ul | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.40 | 198 | 48768 | 17.77 | ng/ul# | 91 |
| 65) N-Nitrosodiphenylamine | 15.52 | 169 | 226454 | 18.53 | ng/ul | 98 |
| 66) 4-Bromophenyl-phenylether | 16.20 | 248 | 85246 | 18.74 | ng/ul | 100 |
| 67) Hexachlorobenzene | 16.31 | 284 | 94060 | 18.90 | ng/ul | 98 |
| 68) Atrazine | 16.47 | 200 | 89792 | 19.05 | ng/ul | 99 |
| 69) Pentachlorophenol | 16.66 | 266 | 44586 | 17.46 | ng/ul | 97 |
| 70) Phenanthrene | 17.04 | 178 | 411677 | 18.59 | ng/ul | 99 |
| 72) Anthracene | 17.14 | 178 | 420739 | 18.59 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.04 | 216 | 111213 | 17.14 | ng/uL | 99 |
| 74) Pentachlorobenzene | 14.57 | 250 | 108881 | 17.98 | ng/uL | 97 |
| 75) Carbazole | 17.42 | 167 | 364369 | 18.84 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 17.97 | 149 | 443368 | 19.23 | ng/ul | 100 |
| 77) Fluoranthene | 19.07 | 202 | 496814 | 19.43 | ng/ul | 100 |
| 80) Pyrene | 19.44 | 202 | 520117 | 19.10 | ng/ul | 98 |
| 81) Butylbenzylphthalate | 20.34 | 149 | 201963 | 19.41 | ng/ul | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.13 | 252 | 163434 | 18.44 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.19 | 228 | 530159 | 19.11 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.12 | 149 | 298006 | 18.71 | ng/ul | 99 |
| 85) Chrysene | 21.24 | 228 | 491699 | 18.94 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 21.99 | 149 | 515326 | 19.93 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.75 | 252 | 486869 | 19.24 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.79 | 252 | 469269 | 19.22 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.31 | 252 | 457095 | 18.71 | ng/ul | 100 |
| 92) Indeno(1,2,3-cd)pyrene | 25.61 | 276 | 448693 | 15.94 | ng/ul | 99 |
| 93) Dibenzo(a,h)anthracene | 25.63 | 278 | 382378 | 15.87 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 26.29 | 276 | 355748 | 15.08 | ng/ul | 98 |

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

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