Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031516\
Data File : BM004602.D
Acq On : 15 Mar 2016 17:45
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02048

Quant Time: Mar 16 05:37:15 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 15 15:09:04 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.85 | 152 | 61560 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.64 | 136 | 261444 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.48 | 164 | 146526 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.22 | 188 | 328575 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.40 | 240 | 391642 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.70 | 264 | 392126 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.33 | 96 | 14381 | 8.06 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.00 | 99 | 101619 | 20.09 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.17 | 67 | 58409 | 20.37 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.37 | 132 | 81069 | 19.91 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.54 | 113 | 79865 | 19.59 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.00 | 128 | 35101 | 19.30 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.72 | 143 | 38102 | 19.40 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.25 | 165 | 76167 | 19.77 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.77 | 131 | 103306 | 22.41 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.89 | 166 | 228086 | 19.91 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.17 | 160 | 284458 | 20.25 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.66 | 143 | 44163 | 19.95 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.47 | 176 | 200238 | 20.06 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 32616 | 18.89 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.32 | 188 | 310107 | 20.50 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.62 | 212 | 351949 | 19.69 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.56 | 264 | 351101 | 20.05 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.37 | 88 | 17110 | 8.22 | ng/uL | 90 |
| 4) Benzaldehyde | 6.99 | 77 | 58076 | 20.71 | ng/ul | 98 |
| 6) Phenol | 7.03 | 94 | 108455 | 20.38 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 7.27 | 93 | 84801 | 20.47 | ng/ul | 94 |
| 10) 2-Chlorophenol | 7.41 | 128 | 85954 | 19.99 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.28 | 108 | 80315 | 19.63 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.38 | 45 | 101697 | 20.52 | ng/ul | 93 |
| 14) Acetophenone | 8.66 | 105 | 130691 | 20.55 | ng/ul | 98 |
| 15) N-Nitroso-di-n-propylamine | 8.65 | 70 | 61401 | 18.99 | ng/ul | 93 |
| 16) 4-Methylphenol | 8.60 | 108 | 88808 | 19.72 | ng/ul | 97 |
| 17) Hexachloroethane | 8.92 | 117 | 33339 | 19.52 | ng/ul | 94 |
| 20) Nitrobenzene | 9.04 | 77 | 90431 | 20.16 | ng/ul | 96 |
| 21) Isophorone | 9.56 | 82 | 166185 | 19.34 | ng/ul | 97 |
| 23) 2-Nitrophenol | 9.75 | 139 | 43125 | 19.82 | ng/ul | 94 |
| 24) 2,4-Dimethylphenol | 9.80 | 107 | 96131 | 20.18 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 10.05 | 93 | 110462 | 19.92 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.28 | 162 | 78965 | 19.90 | ng/ul | 98 |
| 28) Naphthalene | 10.69 | 128 | 276256 | 20.27 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.79 | 127 | 110443 | 22.80 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.97 | 225 | 48059 | 20.29 | ng/ul | 98 |
| 32) Caprolactam | 11.55 | 113 | 24493 | 18.43 | ng/ul | 84 |
| 33) 4-Chloro-3-methylphenol | 11.91 | 107 | 87738 | 19.54 | ng/ul | 100 |
| 34) 2-Methylnaphthalene | 12.30 | 142 | 194306 | 20.02 | ng/ul | 99 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.52 | 142 | 187263 | 20.07 | ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.66 | 216 | 95869 | 20.48 | ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.65 | 237 | 49561 | 19.55 | ng/ul | 100 |
| 39) 2,4,6-Trichlorophenol | 12.90 | 196 | 61537 | 19.91 | ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 12.97 | 196 | 65996 | 19.79 | ng/ul | 100 |
| 41) 1,1'-Biphenyl | 13.31 | 154 | 249100 | 20.36 | ng/ul | 98 |
| 42) 2-Chloronaphthalene | 13.35 | 162 | 187170 | 20.34 | ng/ul | 97 |
| 43) 2-Nitroaniline | 13.55 | 65 | 46740 | 18.86 | ng/ul | 86 |
| 45) Dimethylphthalate | 13.93 | 163 | 235133 | 20.22 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 14.05 | 165 | 40267 | 19.45 | ng/ul# | 87 |
| 48) Acenaphthylene | 14.20 | 152 | 309517 | 20.51 | ng/ul | 100 |
| 49) 3-Nitroaniline | 14.38 | 138 | 46771 | 20.91 | ng/ul | 92 |
| 50) Acenaphthene | 14.54 | 153 | 206978 | 20.38 | ng/ul | 100 |
| 51) 2,4-Dinitrophenol | 14.58 | 184 | 21326 | 18.10 | ng/ul | 91 |
| 53) 4-Nitrophenol | 14.67 | 109 | 36828 | 20.51 | ng/ul | 89 |
| 54) Dibenzofuran | 14.88 | 168 | 294036 | 20.33 | ng/ul | 95 |
| 55) 2,4-Dinitrotoluene | 14.84 | 165 | 62417 | 19.99 | ng/ul | 93 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.10 | 232 | 58451 | 19.90 | ng/ul | 97 |
| 57) Diethylphthalate | 15.30 | 149 | 236145 | 19.93 | ng/ul | 100 |
| 59) Fluorene | 15.53 | 166 | 238014 | 20.61 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.52 | 204 | 111860 | 20.31 | ng/ul | 94 |
| 61) 4-Nitroaniline | 15.54 | 138 | 48446 | 20.13 | ng/ul | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 15.60 | 198 | 36122 | 19.26 | ng/ul | 99 |
| 65) N-Nitrosodiphenylamine | 15.73 | 169 | 204485 | 20.55 | ng/ul | 98 |
| 66) 4-Bromophenyl-phenylether | 16.42 | 248 | 67413 | 20.37 | ng/ul | 94 |
| 67) Hexachlorobenzene | 16.53 | 284 | 76727 | 20.65 | ng/ul | 94 |
| 68) Atrazine | 16.69 | 200 | 70962 | 20.18 | ng/ul | 97 |
| 69) Pentachlorophenol | 16.87 | 266 | 46485 | 19.30 | ng/ul | 99 |
| 70) Phenanthrene | 17.26 | 178 | 386311 | 20.58 | ng/ul | 99 |
| 72) Anthracene | 17.36 | 178 | 391347 | 20.70 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.27 | 216 | 92203 | 20.40 | ng/uL | 100 |
| 74) Pentachlorobenzene | 14.79 | 250 | 89867 | 20.60 | ng/uL | 98 |
| 75) Carbazole | 17.62 | 167 | 359501 | 21.27 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 18.19 | 149 | 393367 | 16.41 | ng/ul | 100 |
| 77) Fluoranthene | 19.28 | 202 | 440519 | 21.25 | ng/ul | 100 |
| 80) Pyrene | 19.64 | 202 | 473291 | 19.94 | ng/ul | 100 |
| 81) Butylbenzylphthalate | 20.54 | 149 | 172004 | 18.12 | ng/ul | 94 |
| 82) 3,3'-Dichlorobenzidine | 21.33 | 252 | 128555 | 21.26 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.39 | 228 | 461814 | 20.20 | ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.33 | 149 | 256766 | 19.02 | ng/ul | 99 |
| 85) Chrysene | 21.44 | 228 | 445572 | 20.41 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 22.22 | 149 | 449401 | 19.17 | ng/ul# | 96 |
| 88) Benzo(b)fluoranthene | 23.01 | 252 | 458113 | 19.59 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 23.06 | 252 | 461747 | 20.77 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.60 | 252 | 457651 | 20.42 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 26.04 | 276 | 516322 | 20.50 | ng/ul | 98 |
| 93) Dibenzo(a,h)anthracene | 26.05 | 278 | 429980 | 20.62 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 26.75 | 276 | 436615 | 20.46 | ng/ul | 99 |

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

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