Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111715\
Data File : BM003164.D
Acq On : 17 Nov 2015 05:11
Operator : UM/IZ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02044

**Manual Integrations APPROVED**
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11/17/2015 5:57:59 PM

Quant Time: Nov 17 06:21:11 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 17 02:43:56 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.75 | 152 | 169427 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.53 | 136 | 757770 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.39 | 164 | 422399 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.14 | 188 | 883774 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.34 | 240 | 912879 | 20.00 | ng/ul | 0.01 |
| 86) Perylene-d12 | 23.60 | 264 | 940335 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.20 | 96 | 24494 | 6.82 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.90 | 99 | 229760 | 17.15 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.07 | 67 | 126991 | 16.22 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.27 | 132 | 196739 | 17.33 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.45 | 113 | 189094 | 17.51 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.90 | 128 | 95584 | 20.68 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.62 | 143 | 101279 | 21.63 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.16 | 165 | 190094 | 18.10 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.67 | 131 | 244941 | 18.03 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.80 | 166 | 546073 | 17.18 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.09 | 160 | 682456 | 16.95 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.59 | 143 | 101273 | 18.91 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.39 | 176 | 464299 | 16.90 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.50 | 200 | 73491 | 17.96 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.24 | 188 | 679199 | 17.34 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.54 | 212 | 715096 | 15.91 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.45 | 264 | 793346 | 17.75 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.23 | 88 | 25592 | 6.52 | ng/uL# | 92 |
| 4) Benzaldehyde | 6.88 | 77 | 100556 | 14.61 | ng/ul | 92 |
| 6) Phenol | 6.93 | 94 | 235553 | 17.09 | ng/ul | 93 |
| 8) Bis(2-Chloroethyl)ether | 7.17 | 93 | 181273 | 16.48 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.30 | 128 | 200989 | 17.15 | ng/ul | 98 |
| 11) 2-Methylphenol | 8.18 | 108 | 184683 | 17.18 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.28 | 45 | 203877 | 15.07 | ng/ul# | 93 |
| 14) Acetophenone | 8.56 | 105 | 293521 | 17.90 | ng/ul | 97 |
| 15) N-Nitroso-di-n-propylamine | 8.55 | 70 | 139925 | 17.23 | ng/ul | 93 |
| 16) 4-Methylphenol | 8.51 | 108 | 201586 | 17.36 | ng/ul | 98 |
| 17) Hexachloroethane | 8.82 | 117 | 77473 | 17.37 | ng/ul | 94 |
| 20) Nitrobenzene | 8.95 | 77 | 204648 | 18.28 | ng/ul | 95 |
| 21) Isophorone | 9.46 | 82 | 391081 | 17.22 | ng/ul | 96 |
| 23) 2-Nitrophenol | 9.65 | 139 | 111327 | 20.47 | ng/ul# | 91 |
| 24) 2,4-Dimethylphenol | 9.71 | 107 | 221975 | 17.47 | ng/ul | 92 |
| 25) Bis(2-Chloroethoxy)methane | 9.95 | 93 | 246972 | 16.84 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.18 | 162 | 194100 | 18.02 | ng/ul | 100 |
| 28) Naphthalene | 10.59 | 128 | 643555 | 16.92 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.69 | 127 | 254358 | 17.87 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.87 | 225 | 120408 | 18.05 | ng/ul | 100 |
| 32) Caprolactam | 11.45 | 113 | 58037 | 19.04 | ng/ul | 96 |
| 33) 4-Chloro-3-methylphenol | 11.82 | 107 | 200304 | 17.59 | ng/ul | 96 |
| 34) 2-Methylnaphthalene | 12.20 | 142 | 467427 | 17.05 | ng/ul | 100 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.42 | 142 | 455464m | 16.95 | ng/ul | |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.57 | 216 | 230259 | 17.03 | ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.56 | 237 | 113159 | 14.23 | ng/ul | 98 |
| 39) 2,4,6-Trichlorophenol | 12.82 | 196 | 147240 | 17.85 | ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 12.89 | 196 | 160916 | 18.13 | ng/ul | 99 |
| 41) 1,1'-Biphenyl | 13.22 | 154 | 590321 | 16.59 | ng/ul | 99 |
| 42) 2-Chloronaphthalene | 13.26 | 162 | 445599 | 16.83 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.47 | 65 | 110414 | 20.75 | ng/ul | 94 |
| 45) Dimethylphthalate | 13.85 | 163 | 549143 | 16.96 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 13.97 | 165 | 109097 | 20.62 | ng/ul# | 86 |
| 48) Acenaphthylene | 14.12 | 152 | 722633 | 16.80 | ng/ul | 100 |
| 49) 3-Nitroaniline | 14.30 | 138 | 114180 | 20.40 | ng/ul | 96 |
| 50) Acenaphthene | 14.46 | 153 | 473963 | 16.37 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.50 | 184 | 51641 | 17.56 | ng/ul | 94 |
| 53) 4-Nitrophenol | 14.60 | 109 | 75875 | 18.63 | ng/ul# | 73 |
| 54) Dibenzofuran | 14.79 | 168 | 671854 | 16.60 | ng/ul | 95 |
| 55) 2,4-Dinitrotoluene | 14.76 | 165 | 154645 | 20.76 | ng/ul | 93 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.02 | 232 | 132819 | 18.14 | ng/ul# | 96 |
| 57) Diethylphthalate | 15.22 | 149 | 549313 | 17.20 | ng/ul | 98 |
| 59) Fluorene | 15.44 | 166 | 529367 | 16.82 | ng/ul | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.44 | 204 | 257708 | 17.44 | ng/ul | 97 |
| 61) 4-Nitroaniline | 15.46 | 138 | 117151 | 19.53 | ng/ul# | 80 |
| 64) 4,6-Dinitro-2-methylphenol | 15.52 | 198 | 78929 | 17.79 | ng/ul | 98 |
| 65) N-Nitrosodiphenylamine | 15.65 | 169 | 454985 | 17.14 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.33 | 248 | 155487 | 18.08 | ng/ul | 99 |
| 67) Hexachlorobenzene | 16.44 | 284 | 178295 | 17.09 | ng/ul | 99 |
| 68) Atrazine | 16.60 | 200 | 165657 | 18.07 | ng/ul | 99 |
| 69) Pentachlorophenol | 16.79 | 266 | 103859 | 17.76 | ng/ul | 98 |
| 70) Phenanthrene | 17.18 | 178 | 816012 | 16.31 | ng/ul | 99 |
| 72) Anthracene | 17.27 | 178 | 824677 | 16.87 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.19 | 216 | 223378 | 16.67 | ng/uL | 98 |
| 74) Pentachlorobenzene | 14.71 | 250 | 212927 | 16.80 | ng/uL | 98 |
| 75) Carbazole | 17.54 | 167 | 726822 | 17.41 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 18.11 | 149 | 908275 | 18.89 | ng/ul | 99 |
| 77) Fluoranthene | 19.20 | 202 | 899228 | 17.77 | ng/ul | 95 |
| 80) Pyrene | 19.57 | 202 | 931179 | 15.59 | ng/ul# | 92 |
| 81) Butylbenzylphthalate | 20.47 | 149 | 408937 | 23.21 | ng/ul | 96 |
| 82) 3,3'-Dichlorobenzidine | 21.26 | 252 | 262141 | 20.55 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.32 | 228 | 889291 | 17.74 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.25 | 149 | 617485 | 22.41 | ng/ul | 100 |
| 85) Chrysene | 21.37 | 228 | 829779 | 16.73 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 22.14 | 149 | 1072881 | 22.15 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.92 | 252 | 930537 | 17.18 | ng/ul# | 97 |
| 89) Benzo(k)fluoranthene | 22.96 | 252 | 864913 | 17.11 | ng/ul# | 96 |
| 91) Benzo(a)pyrene | 23.50 | 252 | 887551 | 17.31 | ng/ul# | 96 |
| 92) Indeno(1,2,3-cd)pyrene | 25.89 | 276 | 1055470 | 18.71 | ng/ul | 93 |
| 93) Dibenzo(a,h)anthracene | 25.90 | 278 | 890369 | 20.03 | ng/ul# | 93 |
| 94) Benzo(g,h,i)perylene | 26.59 | 276 | 890491 | 17.55 | ng/ul# | 92 |

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|---|---|---|---|---|---|---|

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

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