Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111215\
Data File : BG019588.D
Acq On : 12 Nov 2015 17:44
Operator : UM/NP
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTD02014

Quant Time: Nov 13 10:15:33 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 13 10:06:43 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.17 | 152 | 29067 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.01 | 136 | 122272 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.81 | 164 | 99164 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.55 | 188 | 270313 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.83 | 240 | 338142 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.18 | 264 | 326560 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.47 | 96 | 4189 | 6.90 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.32 | 99 | 51449 | 19.28 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.49 | 67 | 34995 | 20.69 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.70 | 132 | 32099 | 19.27 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.88 | 113 | 42669 | 20.08 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.34 | 128 | 16740 | 18.63 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.07 | 143 | 19194 | 17.99 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.62 | 165 | 44387 | 19.18 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.13 | 131 | 49882 | 21.31 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.20 | 166 | 151219 | 18.50 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.50 | 160 | 170136 | 18.79 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.99 | 143 | 22542 | 17.36 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.79 | 176 | 136040 | 17.99 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.91 | 200 | 29451 | 16.83 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.65 | 188 | 225284 | 18.28 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.92 | 212 | 263099 | 17.78 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.95 | 264 | 292719 | 17.86 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.51 | 88 | 5125 | 7.42 | ng/uL# | 84 |
| 4) Benzaldehyde | 7.30 | 77 | 39210 | 22.59 | ng/ul | 93 |
| 6) Phenol | 7.35 | 94 | 56726 | 19.96 | ng/ul | 95 |
| 8) Bis(2-Chloroethyl)ether | 7.58 | 93 | 40026 | 20.50 | ng/ul | 92 |
| 10) 2-Chlorophenol | 7.73 | 128 | 31549 | 18.40 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.61 | 108 | 41024 | 19.51 | ng/ul | 90 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.70 | 45 | 34400 | 21.98 | ng/ul | 91 |
| 14) Acetophenone | 9.00 | 105 | 69524 | 19.49 | ng/ul | 85 |
| 15) N-Nitroso-di-n-propylamine | 8.98 | 70 | 45558 | 19.48 | ng/ul# | 90 |
| 16) 4-Methylphenol | 8.94 | 108 | 45887 | 19.99 | ng/ul | 92 |
| 17) Hexachloroethane | 9.27 | 117 | 15790 | 17.63 | ng/ul | 92 |
| 20) Nitrobenzene | 9.39 | 77 | 64289 | 18.30 | ng/ul | 97 |
| 21) Isophorone | 9.91 | 82 | 123318 | 19.37 | ng/ul | 96 |
| 23) 2-Nitrophenol | 10.11 | 139 | 21513 | 17.76 | ng/ul# | 78 |
| 24) 2,4-Dimethylphenol | 10.15 | 107 | 57747 | 18.25 | ng/ul | 94 |
| 25) Bis(2-Chloroethoxy)methane | 10.39 | 93 | 60690 | 20.14 | ng/ul# | 98 |
| 27) 2,4-Dichlorophenol | 10.64 | 162 | 41509 | 18.77 | ng/ul | 97 |
| 28) Naphthalene | 11.05 | 128 | 112812 | 18.44 | ng/ul | 95 |
| 30) 4-Chloroaniline | 11.16 | 127 | 52705 | 21.47 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 11.33 | 225 | 37423 | 16.56 | ng/ul | 90 |
| 32) Caprolactam | 11.90 | 113 | 16476 | 20.79 | ng/ul | 96 |
| 33) 4-Chloro-3-methylphenol | 12.27 | 107 | 58082 | 19.56 | ng/ul# | 95 |
| 34) 2-Methylnaphthalene | 12.65 | 142 | 89929 | 18.29 | ng/ul | 99 |

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|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.86 | 142 | 89030 | 19.14 ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.01 | 216 | 68218 | 16.69 ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 12.99 | 237 | 38500 | 12.69 ng/ul# | 96 |
| 39) 2,4,6-Trichlorophenol | 13.24 | 196 | 42657 | 17.65 ng/ul | 94 |
| 40) 2,4,5-Trichlorophenol | 13.32 | 196 | 47232 | 17.81 ng/ul | 90 |
| 41) 1,1'-Biphenyl | 13.64 | 154 | 130641 | 18.64 ng/ul# | 95 |
| 42) 2-Chloronaphthalene | 13.69 | 162 | 98553 | 18.02 ng/ul | 98 |
| 43) 2-Nitroaniline | 13.89 | 65 | 45015 | 19.25 ng/ul | 92 |
| 45) Dimethylphthalate | 14.25 | 163 | 153561 | 18.36 ng/ul# | 97 |
| 46) 2,6-Dinitrotoluene | 14.37 | 165 | 32405 | 19.15 ng/ul | 87 |
| 48) Acenaphthylene | 14.53 | 152 | 172139 | 18.56 ng/ul | 99 |
| 49) 3-Nitroaniline | 14.71 | 138 | 29142 | 20.00 ng/ul# | 99 |
| 50) Acenaphthene | 14.87 | 153 | 115687 | 18.47 ng/ul | 94 |
| 51) 2,4-Dinitrophenol | 14.91 | 184 | 17157 | 13.48 ng/ul | 93 |
| 53) 4-Nitrophenol | 15.01 | 109 | 29644 | 14.64 ng/ul# | 58 |
| 54) Dibenzofuran | 15.20 | 168 | 172721 | 18.72 ng/ul | 96 |
| 55) 2,4-Dinitrotoluene | 15.16 | 165 | 48960 | 18.32 ng/ul# | 84 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.42 | 232 | 49073 | 17.70 ng/ul# | 98 |
| 57) Diethylphthalate | 15.60 | 149 | 149212 | 18.08 ng/ul | 95 |
| 59) Fluorene | 15.85 | 166 | 145743 | 18.11 ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.84 | 204 | 84506 | 17.67 ng/ul | 97 |
| 61) 4-Nitroaniline | 15.86 | 138 | 29591 | 17.68 ng/ul | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 15.92 | 198 | 31261 | 16.52 ng/ul# | 89 |
| 65) N-Nitrosodiphenylamine | 16.05 | 169 | 130126 | 18.61 ng/ul | 96 |
| 66) 4-Bromophenyl-phenylether | 16.73 | 248 | 57844 | 18.01 ng/ul | 99 |
| 67) Hexachlorobenzene | 16.85 | 284 | 60914 | 17.87 ng/ul | 98 |
| 68) Atrazine | 16.99 | 200 | 61897 | 17.86 ng/ul | 97 |
| 69) Pentachlorophenol | 17.19 | 266 | 31919 | 15.86 ng/ul | 93 |
| 70) Phenanthrene | 17.59 | 178 | 254978 | 18.69 ng/ul | 98 |
| 72) Anthracene | 17.68 | 178 | 254678 | 18.31 ng/ul | 96 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.61 | 216 | 69726 | 17.80 ng/uL | 97 |
| 74) Pentachlorobenzene | 15.12 | 250 | 70001 | 17.73 ng/uL | 92 |
| 75) Carbazole | 17.95 | 167 | 208534 | 18.79 ng/ul | 97 |
| 76) Di-n-butylphthalate | 18.49 | 149 | 251879 | 18.31 ng/ul | 97 |
| 77) Fluoranthene | 19.59 | 202 | 330751 | 18.73 ng/ul# | 96 |
| 80) Pyrene | 19.95 | 202 | 343137 | 18.08 ng/ul# | 90 |
| 81) Butylbenzylphthalate | 20.82 | 149 | 119104 | 19.31 ng/ul | 94 |
| 82) 3,3'-Dichlorobenzidine | 21.72 | 252 | 123893 | 18.70 ng/ul# | 96 |
| 83) Benzo(a)anthracene | 21.81 | 228 | 361449 | 18.35 ng/ul | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.69 | 149 | 172484 | 19.68 ng/ul | 97 |
| 85) Chrysene | 21.88 | 228 | 342484 | 18.54 ng/ul | 95 |
| 87) Di-n-octyl phthalate | 22.94 | 149 | 297630 | 20.13 ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 24.11 | 252 | 343875 | 17.85 ng/ul# | 97 |
| 89) Benzo(k)fluoranthene | 24.17 | 252 | 344770 | 18.60 ng/ul# | 99 |
| 91) Benzo(a)pyrene | 25.02 | 252 | 334548 | 18.08 ng/ul# | 98 |
| 92) Indeno(1,2,3-cd)pyrene | 29.01 | 276 | 375492 | 18.01 ng/ul# | 94 |
| 93) Dibenzo(a,h)anthracene | 29.08 | 278 | 301032 | 17.30 ng/ul# | 95 |
| 94) Benzo(g,h,i)perylene | 30.22 | 276 | 310164 | 19.61 ng/ul# | 89 |

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

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