Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG093015\
Data File : BG018962.D
Acq On : 30 Sep 2015 2:08
Operator : UM/NP
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD02018

**Manual Integrations APPROVED**
MMDadoda
9/30/2015 6:12:41 PM

Quant Time: Sep 30 04:07:19 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 30 02:21:20 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.98 | 152 | 46904 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.79 | 136 | 199184 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.61 | 164 | 135028 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.35 | 188 | 387319 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.61 | 240 | 481697 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.79 | 264 | 484425 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.42 | 96 | 7534 | 7.72 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.15 | 99 | 76832 | 19.95 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.31 | 67 | 41662 | 18.67 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.52 | 132 | 60378 | 20.70 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.69 | 113 | 62964 | 20.15 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.14 | 128 | 30443 | 20.17 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.87 | 143 | 35063 | 23.11 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.41 | 165 | 67959 | 21.27 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.93 | 131 | 88032 | 23.68 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.02 | 166 | 220647 | 20.30 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.31 | 160 | 266057 | 20.66 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.82 | 143 | 45508 | 21.82 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.60 | 176 | 201566 | 21.21 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.73 | 200 | 42588 | 23.23 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.45 | 188 | 355369 | 20.84 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.74 | 212 | 457118 | 20.63 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.57 | 264 | 497696 | 21.11 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.46 | 88 | 8290m | 7.86 | ng/uL | |
| 4) Benzaldehyde | 7.12 | 77 | 46468 | 20.86 | ng/ul | 88 |
| 6) Phenol | 7.18 | 94 | 79491 | 19.95 | ng/ul# | 88 |
| 8) Bis(2-Chloroethyl)ether | 7.40 | 93 | 58063 | 19.51 | ng/ul | 94 |
| 10) 2-Chlorophenol | 7.55 | 128 | 61217 | 20.27 | ng/ul# | 89 |
| 11) 2-Methylphenol | 8.43 | 108 | 60800 | 19.85 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.52 | 45 | 62644 | 17.74 | ng/ul# | 93 |
| 14) Acetophenone | 8.80 | 105 | 94784 | 19.91 | ng/ul# | 89 |
| 15) N-Nitroso-di-n-propylamine | 8.79 | 70 | 44137 | 17.98 | ng/ul# | 81 |
| 16) 4-Methylphenol | 8.76 | 108 | 68499 | 20.34 | ng/ul | 94 |
| 17) Hexachloroethane | 9.07 | 117 | 23317 | 19.37 | ng/ul# | 70 |
| 20) Nitrobenzene | 9.19 | 77 | 65214 | 18.64 | ng/ul# | 84 |
| 21) Isophorone | 9.71 | 82 | 127209 | 17.84 | ng/ul | 96 |
| 23) 2-Nitrophenol | 9.90 | 139 | 37671 | 22.03 | ng/ul# | 80 |
| 24) 2,4-Dimethylphenol | 9.96 | 107 | 70934 | 20.01 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.19 | 93 | 79562 | 18.93 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.44 | 162 | 66907 | 20.92 | ng/ul# | 93 |
| 28) Naphthalene | 10.84 | 128 | 203149 | 20.04 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.94 | 127 | 91773 | 23.87 | ng/ul | 95 |
| 31) Hexachlorobutadiene | 11.12 | 225 | 42539 | 21.56 | ng/ul | 92 |
| 32) Caprolactam | 11.69 | 113 | 27399m | 20.93 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.08 | 107 | 72210 | 21.18 | ng/ul | 95 |
| 34) 2-Methylnaphthalene | 12.44 | 142 | 147359 | 19.68 | ng/ul | 96 |

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**Instrument :**
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**ClientSampleId :**
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MMDadoda
9/30/2015 6:12:41 PM

Quant Time: Sep 30 04:07:19 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 30 02:21:20 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.66 | 142 | 145753 | 20.31 ng/ul# | 99 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.81 | 216 | 84701 | 20.24 ng/ul# | 96 |
| 38) Hexachlorocyclopentadiene | 12.79 | 237 | 30152 | 12.95 ng/ul# | 86 |
| 39) 2,4,6-Trichlorophenol | 13.05 | 196 | 56989 | 20.97 ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 13.13 | 196 | 62630 | 21.40 ng/ul | 93 |
| 41) 1,1'-Biphenyl | 13.45 | 154 | 204150 | 19.98 ng/ul | 98 |
| 42) 2-Chloronaphthalene | 13.49 | 162 | 158492 | 20.35 ng/ul | 95 |
| 43) 2-Nitroaniline | 13.69 | 65 | 45615 | 19.75 ng/ul# | 70 |
| 45) Dimethylphthalate | 14.06 | 163 | 217890 | 20.68 ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 14.19 | 165 | 48727 | 23.00 ng/ul# | 81 |
| 48) Acenaphthylene | 14.33 | 152 | 277022 | 20.22 ng/ul | 99 |
| 49) 3-Nitroaniline | 14.52 | 138 | 59056 | 26.26 ng/ul# | 74 |
| 50) Acenaphthene | 14.67 | 153 | 182944 | 19.82 ng/ul | 97 |
| 51) 2,4-Dinitrophenol | 14.73 | 184 | 16466 | 17.28 ng/ul# | 66 |
| 53) 4-Nitrophenol | 14.84 | 109 | 30165 | 21.10 ng/ul | 87 |
| 54) Dibenzofuran | 15.01 | 168 | 270048 | 20.86 ng/ul | 94 |
| 55) 2,4-Dinitrotoluene | 14.97 | 165 | 74888 | 23.75 ng/ul# | 75 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.24 | 232 | 58838 | 20.81 ng/ul# | 90 |
| 57) Diethylphthalate | 15.42 | 149 | 219893 | 20.09 ng/ul | 98 |
| 59) Fluorene | 15.66 | 166 | 227294 | 20.78 ng/ul | 95 |
| 60) 4-Chlorophenyl-phenylether | 15.65 | 204 | 109731 | 21.05 ng/ul | 91 |
| 61) 4-Nitroaniline | 15.68 | 138 | 69044 | 26.70 ng/ul# | 82 |
| 64) 4,6-Dinitro-2-methylphenol | 15.74 | 198 | 40979 | 21.78 ng/ul# | 86 |
| 65) N-Nitrosodiphenylamine | 15.86 | 169 | 200453 | 19.76 ng/ul | 95 |
| 66) 4-Bromophenyl-phenylether | 16.54 | 248 | 75688 | 19.94 ng/ul# | 89 |
| 67) Hexachlorobenzene | 16.67 | 284 | 91304 | 21.70 ng/ul# | 90 |
| 68) Atrazine | 16.81 | 200 | 94423 | 21.13 ng/ul | 95 |
| 69) Pentachlorophenol | 17.01 | 266 | 38262m | 15.60 ng/ul | |
| 70) Phenanthrene | 17.40 | 178 | 400934 | 20.36 ng/ul | 99 |
| 72) Anthracene | 17.49 | 178 | 409475 | 20.74 ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.42 | 216 | 86416 | 18.75 ng/uL | 97 |
| 74) Pentachlorobenzene | 14.93 | 250 | 93179 | 20.70 ng/uL | 95 |
| 75) Carbazole | 17.76 | 167 | 412797 | 23.54 ng/ul | 98 |
| 76) Di-n-butylphthalate | 18.31 | 149 | 472678 | 21.34 ng/ul# | 98 |
| 77) Fluoranthene | 19.40 | 202 | 551872 | 25.29 ng/ul | 97 |
| 80) Pyrene | 19.77 | 202 | 570061 | 20.13 ng/ul | 96 |
| 81) Butylbenzylphthalate | 20.64 | 149 | 235775 | 21.69 ng/ul | 94 |
| 82) 3,3'-Dichlorobenzidine | 21.51 | 252 | 225547 | 26.41 ng/ul | 97 |
| 83) Benzo(a)anthracene | 21.59 | 228 | 554611 | 20.77 ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.49 | 149 | 339668 | 21.08 ng/ul# | 97 |
| 85) Chrysene | 21.66 | 228 | 511412 | 20.76 ng/ul | 96 |
| 87) Di-n-octyl phthalate | 22.68 | 149 | 562059 | 21.92 ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 23.78 | 252 | 559213 | 20.41 ng/ul | 98 |
| 89) Benzo(k)fluoranthene | 23.85 | 252 | 546020 | 20.81 ng/ul | 98 |
| 91) Benzo(a)pyrene | 24.64 | 252 | 536772 | 20.62 ng/ul# | 97 |
| 92) Indeno(1,2,3-cd)pyrene | 28.41 | 276 | 633392 | 20.98 ng/ul | 98 |
| 93) Dibenzo(a,h)anthracene | 28.46 | 278 | 531121 | 21.92 ng/ul# | 94 |
| 94) Benzo(g,h,i)perylene | 29.54 | 276 | 517696 | 20.54 ng/ul | 99 |

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD02018

**Manual Integrations APPROVED**
MMDadoda
9/30/2015 6:12:41 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

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