Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG100515\
Data File : BG019024.D
Acq On : 5 Oct 2015 9:33
Operator : UM/NP
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTD02033

**Manual Integrations APPROVED**
MMDadoda
10/6/2015 5:54:45 PM

Quant Time: Oct 06 03:26:02 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 05 02:06:27 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 28004 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.85 | 136 | 118018 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.67 | 164 | 73535 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.41 | 188 | 178949 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.68 | 240 | 235583 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.89 | 264 | 232109 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.50 | 96 | 4555m | 7.35 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.20 | 99 | 47261 | 19.58 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.37 | 67 | 31389 | 20.10 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.58 | 132 | 36263 | 20.02 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.75 | 113 | 36877 | 19.44 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.21 | 128 | 18102 | 20.29 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.93 | 143 | 18908 | 20.60 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.46 | 165 | 37548 | 20.44 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.98 | 131 | 50026 | 22.33 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.08 | 166 | 117154 | 20.21 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.36 | 160 | 139840 | 19.50 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.85 | 143 | 24742 | 21.12 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.66 | 176 | 103713 | 19.76 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.77 | 200 | 19951 | 20.55 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.51 | 188 | 167009 | 19.82 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.79 | 212 | 207014 | 18.97 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.67 | 264 | 233981 | 19.70 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.54 | 88 | 5302 | 7.78 | ng/uL | 90 |
| 4) Benzaldehyde | 7.18 | 77 | 30163 | 21.10 | ng/ul | 96 |
| 6) Phenol | 7.23 | 94 | 50255 | 20.41 | ng/ul | 95 |
| 8) Bis(2-Chloroethyl)ether | 7.47 | 93 | 37004 | 19.94 | ng/ul | 96 |
| 10) 2-Chlorophenol | 7.61 | 128 | 37194 | 19.76 | ng/ul | 94 |
| 11) 2-Methylphenol | 8.48 | 108 | 38272 | 20.17 | ng/ul | 87 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 75059 | 20.61 | ng/ul | 98 |
| 14) Acetophenone | 8.86 | 105 | 59729 | 20.33 | ng/ul | 97 |
| 15) N-Nitroso-di-n-propylamine | 8.85 | 70 | 31526 | 19.95 | ng/ul | 98 |
| 16) 4-Methylphenol | 8.81 | 108 | 41974 | 20.06 | ng/ul | 98 |
| 17) Hexachloroethane | 9.14 | 117 | 14694 | 19.63 | ng/ul | 89 |
| 20) Nitrobenzene | 9.25 | 77 | 45338 | 20.42 | ng/ul | 97 |
| 21) Isophorone | 9.77 | 82 | 86042 | 19.86 | ng/ul | 98 |
| 23) 2-Nitrophenol | 9.96 | 139 | 19911 | 20.20 | ng/ul | 97 |
| 24) 2,4-Dimethylphenol | 10.02 | 107 | 45935 | 20.54 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.25 | 93 | 50548 | 19.73 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.49 | 162 | 37641 | 20.04 | ng/ul | 93 |
| 28) Naphthalene | 10.90 | 128 | 122188 | 19.99 | ng/ul | 98 |
| 30) 4-Chloroaniline | 11.00 | 127 | 50170 | 21.66 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 11.19 | 225 | 24477 | 20.45 | ng/ul | 98 |
| 32) Caprolactam | 11.77 | 113 | 10835m | 17.11 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.12 | 107 | 43187 | 20.96 | ng/ul | 95 |
| 34) 2-Methylnaphthalene | 12.50 | 142 | 90321 | 19.73 | ng/ul | 100 |

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Quant Title : SVOA CALIBRATION
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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.72 | 142 | 89817 | 20.00 | ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 47747 | 20.00 | ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.85 | 237 | 28719 | 18.71 | ng/ul | 97 |
| 39) 2,4,6-Trichlorophenol | 13.11 | 196 | 30693 | 19.78 | ng/ul | 94 |
| 40) 2,4,5-Trichlorophenol | 13.17 | 196 | 33278 | 19.97 | ng/ul | 95 |
| 41) 1,1'-Biphenyl | 13.51 | 154 | 118715 | 19.81 | ng/ul | 98 |
| 42) 2-Chloronaphthalene | 13.55 | 162 | 91502 | 19.66 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.74 | 65 | 31685 | 20.96 | ng/ul | 97 |
| 45) Dimethylphthalate | 14.12 | 163 | 117553 | 19.86 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 14.24 | 165 | 23500 | 20.64 | ng/ul | 91 |
| 48) Acenaphthylene | 14.39 | 152 | 151970 | 19.79 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.56 | 138 | 24641 | 21.91 | ng/ul | 95 |
| 50) Acenaphthene | 14.73 | 153 | 104282 | 20.02 | ng/ul | 98 |
| 51) 2,4-Dinitrophenol | 14.76 | 184 | 12100 | 18.36 | ng/ul | 97 |
| 53) 4-Nitrophenol | 14.86 | 109 | 19596 | 21.88 | ng/ul | 96 |
| 54) Dibenzofuran | 15.07 | 168 | 142601 | 20.11 | ng/ul | 99 |
| 55) 2,4-Dinitrotoluene | 15.02 | 165 | 34876 | 20.95 | ng/ul | 95 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 30954 | 20.13 | ng/ul | 94 |
| 57) Diethylphthalate | 15.49 | 149 | 115188 | 19.39 | ng/ul | 97 |
| 59) Fluorene | 15.72 | 166 | 118728 | 19.87 | ng/ul | 96 |
| 60) 4-Chlorophenyl-phenylether | 15.71 | 204 | 59183 | 20.06 | ng/ul | 98 |
| 61) 4-Nitroaniline | 15.73 | 138 | 27082 | 21.31 | ng/ul | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 15.78 | 198 | 20070 | 19.58 | ng/ul# | 99 |
| 65) N-Nitrosodiphenylamine | 15.92 | 169 | 101697 | 19.54 | ng/ul | 97 |
| 66) 4-Bromophenyl-phenylether | 16.60 | 248 | 38883 | 19.91 | ng/ul | 94 |
| 67) Hexachlorobenzene | 16.72 | 284 | 44669 | 20.11 | ng/ul | 98 |
| 68) Atrazine | 16.87 | 200 | 44192 | 20.46 | ng/ul | 98 |
| 69) Pentachlorophenol | 17.06 | 266 | 26302 | 18.87 | ng/ul | 93 |
| 70) Phenanthrene | 17.45 | 178 | 198962 | 19.73 | ng/ul | 99 |
| 72) Anthracene | 17.54 | 178 | 199363 | 19.62 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.47 | 216 | 47898 | 19.85 | ng/uL | 97 |
| 74) Pentachlorobenzene | 14.99 | 250 | 47299 | 20.11 | ng/uL | 97 |
| 75) Carbazole | 17.81 | 167 | 186345 | 21.25 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 18.38 | 149 | 225022 | 20.07 | ng/ul | 98 |
| 77) Fluoranthene | 19.46 | 202 | 259824 | 22.13 | ng/ul | 99 |
| 80) Pyrene | 19.82 | 202 | 270388 | 19.07 | ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.71 | 149 | 105303 | 19.58 | ng/ul | 96 |
| 82) 3,3'-Dichlorobenzidine | 21.57 | 252 | 91723 | 21.03 | ng/ul | 98 |
| 83) Benzo(a)anthracene | 21.66 | 228 | 268665 | 19.76 | ng/ul | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.58 | 149 | 154247 | 19.76 | ng/ul | 99 |
| 85) Chrysene | 21.72 | 228 | 249730 | 19.46 | ng/ul | 100 |
| 87) Di-n-octyl phthalate | 22.80 | 149 | 259258 | 19.68 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 23.87 | 252 | 262725 | 19.21 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 23.94 | 252 | 255493 | 19.18 | ng/ul | 98 |
| 91) Benzo(a)pyrene | 24.75 | 252 | 254156 | 19.19 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 28.55 | 276 | 295647 | 19.48 | ng/ul | 98 |
| 93) Dibenzo(a,h)anthracene | 28.63 | 278 | 260326 | 19.84 | ng/ul | 97 |
| 94) Benzo(g,h,i)perylene | 29.71 | 276 | 248619 | 19.67 | ng/ul | 100 |

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

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

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**Instrument :**
BNA_G
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SSTD02033

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