Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003110.D
Acq On : 12 Nov 2015 10:00
Operator : UM/IZ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02038

**Manual Integrations APPROVED**
Mmdadoda
11/13/2015 6:31:25 PM

Quant Time: Nov 13 13:00:35 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 06 11:51:18 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.75 | 152 | 131036 | 20.00 | ng/ul | -0.02 |
| 18) Naphthalene-d8 | 10.55 | 136 | 611869 | 20.00 | ng/ul | -0.02 |
| 36) Acenaphthene-d10 | 14.40 | 164 | 368388 | 20.00 | ng/ul | -0.02 |
| 62) Phenanthrene-d10 | 17.14 | 188 | 854672 | 20.00 | ng/ul | -0.02 |
| 78) Chrysene-d12 | 21.33 | 240 | 921963 | 20.00 | ng/ul | -0.02 |
| 86) Perylene-d12 | 23.60 | 264 | 790396 | 20.00 | ng/ul | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.21 | 96 | 17795 | 6.40 | ng/uL | -0.02 |
| 5) Phenol-d5 | 6.91 | 99 | 177226 | 17.11 | ng/ul | -0.02 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.08 | 67 | 98210 | 16.22 | ng/ul | -0.02 |
| 9) 2-Chlorophenol-d4 | 7.28 | 132 | 152389 | 17.36 | ng/ul | -0.02 |
| 13) 4-Methylphenol-d8 | 8.45 | 113 | 152169 | 18.22 | ng/ul | -0.02 |
| 19) Nitrobenzene-d5 | 8.90 | 128 | 74757 | 20.04 | ng/ul | -0.02 |
| 22) 2-Nitrophenol-d4 | 9.63 | 143 | 80774 | 21.37 | ng/ul | -0.02 |
| 26) 2,4-Dichlorophenol-d3 | 10.16 | 165 | 153740 | 18.13 | ng/ul | -0.02 |
| 29) 4-Chloroaniline-d4 | 10.67 | 131 | 189863 | 17.31 | ng/ul | -0.02 |
| 44) Dimethylphthalate-d6 | 13.80 | 166 | 499087 | 18.01 | ng/ul | -0.02 |
| 47) Acenaphthylene-d8 | 14.09 | 160 | 601725 | 17.13 | ng/ul | -0.02 |
| 52) 4-Nitrophenol-d4 | 14.59 | 143 | 96744 | 20.71 | ng/ul | -0.02 |
| 58) Fluorene-d10 | 15.39 | 176 | 422924 | 17.65 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.51 | 200 | 74872 | 18.92 | ng/ul | -0.01 |
| 71) Anthracene-d10 | 17.24 | 188 | 657997 | 17.37 | ng/ul | -0.02 |
| 79) Pyrene-d10 | 19.54 | 212 | 737295 | 16.25 | ng/ul | -0.01 |
| 90) Benzo(a)pyrene-d12 | 23.45 | 264 | 670872 | 17.86 | ng/ul | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.25 | 88 | 18890 | 6.22 | ng/uL | 92 |
| 4) Benzaldehyde | 6.89 | 77 | 76482 | 14.37 | ng/ul | 96 |
| 6) Phenol | 6.94 | 94 | 182511 | 17.12 | ng/ul | 94 |
| 8) Bis(2-Chloroethyl)ether | 7.17 | 93 | 142573 | 16.76 | ng/ul | 97 |
| 10) 2-Chlorophenol | 7.31 | 128 | 157181 | 17.34 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.19 | 108 | 146195 | 17.58 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.29 | 45 | 157704 | 15.08 | ng/ul# | 93 |
| 14) Acetophenone | 8.57 | 105 | 234610 | 18.49 | ng/ul | 96 |
| 15) N-Nitroso-di-n-propylamine | 8.56 | 70 | 112888 | 17.97 | ng/ul | 93 |
| 16) 4-Methylphenol | 8.52 | 108 | 162422 | 18.08 | ng/ul | 100 |
| 17) Hexachloroethane | 8.83 | 117 | 59617 | 17.28 | ng/ul | 98 |
| 20) Nitrobenzene | 8.95 | 77 | 164120 | 18.15 | ng/ul | 94 |
| 21) Isophorone | 9.47 | 82 | 322484 | 17.59 | ng/ul | 96 |
| 23) 2-Nitrophenol | 9.66 | 139 | 89170 | 20.31 | ng/ul# | 90 |
| 24) 2,4-Dimethylphenol | 9.72 | 107 | 180353 | 17.58 | ng/ul | 92 |
| 25) Bis(2-Chloroethoxy)methane | 9.96 | 93 | 202515 | 17.10 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.19 | 162 | 157935 | 18.16 | ng/ul | 99 |
| 28) Naphthalene | 10.59 | 128 | 517581 | 16.86 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.70 | 127 | 198562 | 17.27 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.88 | 225 | 96014 | 17.82 | ng/ul | 100 |
| 32) Caprolactam | 11.45 | 113 | 52948m | 21.51 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.83 | 107 | 171491 | 18.65 | ng/ul | 95 |
| 34) 2-Methylnaphthalene | 12.21 | 142 | 387855 | 17.53 | ng/ul | 100 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003110.D
Acq On : 12 Nov 2015 10:00
Operator : UM/IZ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02038

**Manual Integrations APPROVED**
Mmdadoda
11/13/2015 6:31:25 PM

Quant Time: Nov 13 13:00:35 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 06 11:51:18 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.43 | 142 | 377664 | 17.41 | ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.58 | 216 | 190125 | 16.13 | ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 12.56 | 237 | 100726 | 14.52 | ng/ul | 96 |
| 39) 2,4,6-Trichlorophenol | 12.82 | 196 | 126055 | 17.52 | ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 12.89 | 196 | 138390 | 17.88 | ng/ul | 99 |
| 41) 1,1'-Biphenyl | 13.23 | 154 | 504738 | 16.26 | ng/ul | 99 |
| 42) 2-Chloronaphthalene | 13.27 | 162 | 382268 | 16.56 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.47 | 65 | 99074 | 21.34 | ng/ul | 92 |
| 45) Dimethylphthalate | 13.85 | 163 | 497626 | 17.62 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 13.97 | 165 | 98548 | 21.35 | ng/ul# | 85 |
| 48) Acenaphthylene | 14.12 | 152 | 635209 | 16.94 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.30 | 138 | 98635 | 20.20 | ng/ul | 92 |
| 50) Acenaphthene | 14.46 | 153 | 418278 | 16.56 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.50 | 184 | 51827 | 20.21 | ng/ul | 93 |
| 53) 4-Nitrophenol | 14.60 | 109 | 74889 | 21.09 | ng/ul# | 71 |
| 54) Dibenzofuran | 14.80 | 168 | 600625 | 17.01 | ng/ul | 97 |
| 55) 2,4-Dinitrotoluene | 14.76 | 165 | 147206 | 22.66 | ng/ul | 98 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.02 | 232 | 121677 | 19.05 | ng/ul# | 98 |
| 57) Diethylphthalate | 15.22 | 149 | 511807 | 18.38 | ng/ul | 99 |
| 59) Fluorene | 15.44 | 166 | 484753 | 17.66 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.44 | 204 | 232638 | 18.05 | ng/ul | 95 |
| 61) 4-Nitroaniline | 15.46 | 138 | 107821 | 20.61 | ng/ul# | 78 |
| 64) 4,6-Dinitro-2-methylphenol | 15.52 | 198 | 80885 | 18.85 | ng/ul | 95 |
| 65) N-Nitrosodiphenylamine | 15.66 | 169 | 427536 | 16.66 | ng/ul | 100 |
| 66) 4-Bromophenyl-phenylether | 16.33 | 248 | 144861 | 17.41 | ng/ul | 98 |
| 67) Hexachlorobenzene | 16.45 | 284 | 167751 | 16.63 | ng/ul | 99 |
| 68) Atrazine | 16.60 | 200 | 164394 | 18.54 | ng/ul | 98 |
| 69) Pentachlorophenol | 16.79 | 266 | 100488 | 17.77 | ng/ul | 96 |
| 70) Phenanthrene | 17.19 | 178 | 793741 | 16.40 | ng/ul | 99 |
| 72) Anthracene | 17.27 | 178 | 803227 | 16.99 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.19 | 216 | 190253 | 14.68 | ng/uL | 99 |
| 74) Pentachlorobenzene | 14.72 | 250 | 189411 | 15.46 | ng/uL | 98 |
| 75) Carbazole | 17.54 | 167 | 728234 | 18.04 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 18.11 | 149 | 900928 | 19.37 | ng/ul | 99 |
| 77) Fluoranthene | 19.20 | 202 | 920070 | 18.80 | ng/ul | 94 |
| 80) Pyrene | 19.57 | 202 | 960236 | 15.92 | ng/ul# | 93 |
| 81) Butylbenzylphthalate | 20.47 | 149 | 412002 | 23.15 | ng/ul | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.25 | 252 | 268846 | 20.86 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.32 | 228 | 901010 | 17.79 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.25 | 149 | 614724 | 22.09 | ng/ul | 100 |
| 85) Chrysene | 21.37 | 228 | 843138 | 16.83 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 22.13 | 149 | 1021284 | 25.09 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.91 | 252 | 821919 | 18.05 | ng/ul# | 97 |
| 89) Benzo(k)fluoranthene | 22.96 | 252 | 766110 | 18.03 | ng/ul# | 96 |
| 91) Benzo(a)pyrene | 23.50 | 252 | 745353 | 17.29 | ng/ul# | 96 |
| 92) Indeno(1,2,3-cd)pyrene | 25.89 | 276 | 792174 | 16.71 | ng/ul# | 93 |
| 93) Dibenzo(a,h)anthracene | 25.90 | 278 | 672024 | 17.99 | ng/ul# | 93 |
| 94) Benzo(g,h,i)perylene | 26.59 | 276 | 656615 | 15.39 | ng/ul# | 92 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003110.D
Acq On : 12 Nov 2015 10:00
Operator : UM/IZ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02038

**Manual Integrations APPROVED**
Mmdadoda
11/13/2015 6:31:25 PM

Quant Time: Nov 13 13:00:35 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 06 11:51:18 2015
Response via : Initial Calibration

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003110.D
Acq On : 12 Nov 2015 10:00
Operator : UM/IZ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 13 13:00:35 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 06 11:51:18 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02038

**Manual Integrations APPROVED**
Mmdadoda
11/13/2015 6:31:25 PM