Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM103116\
Data File : BM007751.D
Acq On : 31 Oct 2016 17:50
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02065

Quant Time: Nov 01 10:22:21 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 01 10:21:22 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.75 | 152 | 161884 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.53 | 136 | 629502 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.39 | 164 | 410054 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.13 | 188 | 811929 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.32 | 240 | 1040036 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.57 | 264 | 1069359 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.29 | 96 | 28982 | 7.67 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.93 | 99 | 259155 | 20.74 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.09 | 67 | 150199 | 20.26 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.29 | 132 | 204040 | 21.29 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.46 | 113 | 202829 | 20.75 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.90 | 128 | 96714 | 21.35 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.62 | 143 | 105386 | 21.94 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.16 | 165 | 200632 | 21.25 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.67 | 131 | 244298 | 22.68 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.79 | 166 | 581164 | 20.82 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.07 | 160 | 706116 | 21.01 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.60 | 143 | 87139 | 19.74 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.38 | 176 | 504186 | 20.60 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 93279 | 19.34 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.23 | 188 | 776963 | 21.24 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.53 | 212 | 888923 | 20.80 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.43 | 264 | 979160 | 20.97 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.32 | 88 | 31224 | 7.56 | ng/uL | 94 |
| 4) Benzaldehyde | 6.90 | 77 | 182607 | 23.11 | ng/ul | 98 |
| 6) Phenol | 6.95 | 94 | 262316 | 20.45 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 7.18 | 93 | 200823 | 20.33 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.32 | 128 | 207538 | 21.11 | ng/ul | 99 |
| 11) 2-Methylphenol | 8.19 | 108 | 195122 | 20.90 | ng/ul | 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.28 | 45 | 223615 | 20.41 | ng/ul | 99 |
| 14) Acetophenone | 8.57 | 105 | 314043 | 20.48 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.55 | 70 | 161135 | 21.18 | ng/ul | 96 |
| 16) 4-Methylphenol | 8.52 | 108 | 209367 | 20.81 | ng/ul | 98 |
| 17) Hexachloroethane | 8.82 | 117 | 91562 | 21.08 | ng/ul | 99 |
| 20) Nitrobenzene | 8.95 | 77 | 240816 | 20.67 | ng/ul | 99 |
| 21) Isophorone | 9.47 | 82 | 437995 | 21.98 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.65 | 139 | 109969 | 21.91 | ng/ul | 98 |
| 24) 2,4-Dimethylphenol | 9.72 | 107 | 244756 | 21.38 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.95 | 93 | 256492 | 21.04 | ng/ul | 100 |
| 27) 2,4-Dichlorophenol | 10.18 | 162 | 199848 | 21.49 | ng/ul | 95 |
| 28) Naphthalene | 10.58 | 128 | 629695 | 20.56 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.70 | 127 | 245954 | 22.49 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.86 | 225 | 156461 | 20.65 | ng/ul | 97 |
| 32) Caprolactam | 11.48 | 113 | 54479 | 21.12 | ng/ul | 91 |
| 33) 4-Chloro-3-methylphenol | 11.82 | 107 | 215060 | 22.06 | ng/ul | 95 |
| 34) 2-Methylnaphthalene | 12.19 | 142 | 455609 | 20.92 | ng/ul | 100 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM103116\
Data File : BM007751.D
Acq On : 31 Oct 2016 17:50
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02065

Quant Time: Nov 01 10:22:21 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 01 10:21:22 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.57 | 216 | 273285 | 20.65 ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 12.54 | 237 | 122697 | 15.74 ng/ul | 94 |
| 38) 2,4,6-Trichlorophenol | 12.81 | 196 | 160048 | 21.74 ng/ul | 99 |
| 39) 2,4,5-Trichlorophenol | 12.89 | 196 | 168046 | 20.84 ng/ul | 96 |
| 40) 1,1'-Biphenyl | 13.21 | 154 | 594004 | 20.54 ng/ul | 100 |
| 41) 2-Chloronaphthalene | 13.26 | 162 | 454649 | 20.55 ng/ul | 98 |
| 42) 2-Nitroaniline | 13.47 | 65 | 129201 | 22.02 ng/ul | 99 |
| 44) Dimethylphthalate | 13.84 | 163 | 563338 | 20.78 ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.97 | 165 | 112275 | 22.01 ng/ul | 95 |
| 47) Acenaphthylene | 14.10 | 152 | 720955 | 21.16 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.30 | 138 | 114367 | 22.68 ng/ul | 94 |
| 49) Acenaphthene | 14.44 | 153 | 479468 | 20.39 ng/ul | 100 |
| 50) 2,4-Dinitrophenol | 14.52 | 184 | 53754 | 17.12 ng/ul | 93 |
| 52) 4-Nitrophenol | 14.62 | 109 | 85172 | 19.45 ng/ul | 99 |
| 53) Dibenzofuran | 14.79 | 168 | 685094 | 20.29 ng/ul | 98 |
| 54) 2,4-Dinitrotoluene | 14.76 | 165 | 163467 | 22.21 ng/ul | 96 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.02 | 232 | 152082 | 21.15 ng/ul# | 99 |
| 56) Diethylphthalate | 15.21 | 149 | 565687 | 21.08 ng/ul | 99 |
| 58) Fluorene | 15.43 | 166 | 566310 | 21.01 ng/ul | 97 |
| 59) 4-Chlorophenyl-phenylether | 15.43 | 204 | 298851 | 20.80 ng/ul | 98 |
| 60) 4-Nitroaniline | 15.47 | 138 | 117883 | 23.18 ng/ul | 97 |
| 63) 4,6-Dinitro-2-methylphenol | 15.53 | 198 | 96340 | 19.33 ng/ul | 98 |
| 64) N-Nitrosodiphenylamine | 15.64 | 169 | 488964 | 21.07 ng/ul | 100 |
| 65) 4-Bromophenyl-phenylether | 16.32 | 248 | 195009 | 21.06 ng/ul | 99 |
| 66) Hexachlorobenzene | 16.44 | 284 | 214575 | 20.92 ng/ul | 97 |
| 67) Atrazine | 16.60 | 200 | 186359 | 20.84 ng/ul | 98 |
| 68) Pentachlorophenol | 16.79 | 266 | 115604 | 20.11 ng/ul | 98 |
| 69) Phenanthrene | 17.17 | 178 | 901863 | 20.90 ng/ul | 99 |
| 71) Anthracene | 17.26 | 178 | 920760 | 20.94 ng/ul | 100 |
| 72) Carbazole | 17.54 | 167 | 800521 | 21.04 ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.09 | 149 | 942447 | 22.24 ng/ul | 99 |
| 74) Fluoranthene | 19.19 | 202 | 1073987 | 21.28 ng/ul | 99 |
| 77) Pyrene | 19.56 | 202 | 1117086 | 20.79 ng/ul | 97 |
| 78) Butylbenzylphthalate | 20.45 | 149 | 447031 | 23.39 ng/ul | 98 |
| 79) 3,3'-Dichlorobenzidine | 21.24 | 252 | 410574 | 22.23 ng/ul | 99 |
| 80) Benzo(a)anthracene | 21.30 | 228 | 1168123 | 21.01 ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.22 | 149 | 661204 | 23.49 ng/ul | 98 |
| 82) Chrysene | 21.36 | 228 | 1114730 | 20.87 ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.10 | 149 | 1164609 | 21.48 ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 22.89 | 252 | 1231318 | 20.15 ng/ul | 99 |
| 86) Benzo(k)fluoranthene | 22.94 | 252 | 1190860 | 21.18 ng/ul | 99 |
| 88) Benzo(a)pyrene | 23.47 | 252 | 1199104 | 20.84 ng/ul | 99 |
| 89) Indeno(1,2,3-cd)pyrene | 25.84 | 276 | 1441259 | 20.91 ng/ul | 99 |
| 90) Dibenzo(a,h)anthracene | 25.85 | 278 | 1211424 | 20.83 ng/ul | 99 |
| 91) Benzo(g,h,i)perylene | 26.54 | 276 | 1205296 | 20.82 ng/ul | 97 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM103116\
Data File : BM007751.D
Acq On : 31 Oct 2016 17:50
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02065

Quant Time: Nov 01 10:22:21 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 01 10:21:22 2016
Response via : Initial Calibration