Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091018\
Data File : BM016705.D
Acq On : 10 Sep 2018 11:49
Operator : SJ/JU
Sample : SSTD00547
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD00547

Quant Time: Sep 10 14:20:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM091018MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 10 13:31:33 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.75 | 152 | 188179 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.53 | 136 | 787042 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.39 | 164 | 426169 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.13 | 188 | 931277 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.32 | 240 | 998711 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.56 | 264 | 1045844 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.28 | 96 | 9574 | 2.29 | ng/uL | 0.00 |
| 5) Phenol-d5 | 0.00 | 99 | 0d | 0.00 | ng/ul | |
| 7) Bis-(2-Chloroethyl)ether-d | 0.00 | 67 | 0d | 0.00 | ng/ul | |
| 9) 2-Chlorophenol-d4 | 7.27 | 132 | 62815 | 4.61 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 0.00 | 113 | 0d | 0.00 | ng/ul | |
| 19) Nitrobenzene-d5 | 8.89 | 128 | 22972 | 3.84 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.61 | 143 | 18621 | 3.00 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.15 | 165 | 56311 | 4.50 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 0.00 | 131 | 0d | 0.00 | ng/ul | |
| 44) Dimethylphthalate-d6 | 13.80 | 166 | 172387 | 4.78 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.07 | 160 | 216569 | 4.97 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 0.00 | 143 | 0d | 0.00 | ng/ul | |
| 58) Fluorene-d10 | 15.38 | 176 | 152051 | 4.87 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0d | 0.00 | ng/ul | |
| 71) Anthracene-d10 | 17.23 | 188 | 225418 | 4.92 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.52 | 212 | 239440 | 5.12 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.42 | 264 | 269486 | 5.41 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.31 | 88 | 9460 | 2.063 | ng/uL# | 69 |
| 10) 2-Chlorophenol | 7.31 | 128 | 62075 | 4.673 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.55 | 70 | 45978 | 3.974 | ng/ul# | 88 |
| 17) Hexachloroethane | 8.82 | 117 | 24810 | 4.885 | ng/ul | 88 |
| 20) Nitrobenzene | 8.93 | 77 | 60904 | 4.335 | ng/ul | 98 |
| 21) Isophorone | 9.46 | 82 | 129403 | 4.575 | ng/ul | 97 |
| 23) 2-Nitrophenol | 9.65 | 139 | 21240 | 3.255 | ng/ul | 92 |
| 24) 2,4-Dimethylphenol | 9.70 | 107 | 69167 | 4.954 | ng/ul | 97 |
| 25) Bis(2-Chloroethoxy)methane | 9.95 | 93 | 81558 | 4.422 | ng/ul | 95 |
| 27) 2,4-Dichlorophenol | 10.17 | 162 | 53731 | 4.457 | ng/ul | 95 |
| 28) Naphthalene | 10.57 | 128 | 206400 | 5.057 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.87 | 225 | 38522 | 5.630 | ng/ul | 98 |
| 33) 4-Chloro-3-methylphenol | 11.81 | 107 | 57040 | 4.463 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 12.19 | 142 | 142519 | 4.702 | ng/ul | 98 |
| 35) 1-Methylnaphthalene | 12.19 | 142 | 142519 | 4.937 | ng/ul | 95 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.56 | 216 | 73593 | 5.821 | ng/ul# | 93 |
| 39) 2,4,6-Trichlorophenol | 12.80 | 196 | 38334 | 4.454 | ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 12.87 | 196 | 43116 | 4.940 | ng/ul | 96 |
| 41) 1,1'-Biphenyl | 13.22 | 154 | 178035 | 5.020 | ng/ul# | 97 |
| 42) 2-Chloronaphthalene | 13.25 | 162 | 137915 | 5.169 | ng/ul | 95 |
| 43) 2-Nitroaniline | 13.45 | 65 | 23092 | 2.786 | ng/ul | 92 |
| 45) Dimethylphthalate | 13.85 | 163 | 171831 | 4.981 | ng/ul# | 96 |
| 46) 2,6-Dinitrotoluene | 13.96 | 165 | 18679 | 3.066 | ng/ul# | 83 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091018\
Data File : BM016705.D
Acq On : 10 Sep 2018 11:49
Operator : SJ/JU
Sample : SSTD00547
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD00547

Quant Time: Sep 10 14:20:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM091018MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 10 13:31:33 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 48) Acenaphthylene | 14.10 | 152 | 207170 | 4.724 | ng/ul | 98 |
| 50) Acenaphthene | 14.45 | 153 | 150006 | 5.062 | ng/ul | 99 |
| 54) Dibenzofuran | 14.79 | 168 | 205066 | 4.947 | ng/ul | 97 |
| 55) 2,4-Dinitrotoluene | 14.75 | 165 | 26955 | 3.010 | ng/ul# | 91 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.01 | 232 | 32897 | 4.136 | ng/ul# | 84 |
| 57) Diethylphthalate | 15.22 | 149 | 163010 | 4.541 | ng/ul | 98 |
| 59) Fluorene | 15.43 | 166 | 168409 | 4.848 | ng/ul | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.44 | 204 | 86010 | 5.284 | ng/ul | 93 |
| 65) N-Nitrosodiphenylamine | 15.65 | 169 | 141438 | 4.986 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.33 | 248 | 52865 | 5.558 | ng/ul | 98 |
| 67) Hexachlorobenzene | 16.43 | 284 | 56430 | 5.389 | ng/ul# | 93 |
| 70) Phenanthrene | 17.17 | 178 | 261971 | 5.047 | ng/ul | 100 |
| 72) Anthracene | 17.26 | 178 | 267823 | 5.028 | ng/ul | 96 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.17 | 216 | 76577 | 6.171 | ng/uL | 96 |
| 74) Pentachlorobenzene | 14.70 | 250 | 71476 | 5.679 | ng/uL | 98 |
| 76) Di-n-butylphthalate | 18.12 | 149 | 255340 | 4.278 | ng/ul | 99 |
| 80) Pyrene | 19.55 | 202 | 308793 | 5.299 | ng/ul# | 87 |
| 81) Butylbenzylphthalate | 20.48 | 149 | 97812 | 3.650 | ng/ul | 94 |
| 83) Benzo(a)anthracene | 21.30 | 228 | 313022 | 5.692 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 164118 | 3.988 | ng/ul | 98 |
| 85) Chrysene | 21.36 | 228 | 289503 | 5.807 | ng/ul | 98 |
| 88) Benzo(b)fluoranthene | 22.89 | 252 | 315351 | 5.012 | ng/ul# | 96 |
| 89) Benzo(k)fluoranthene | 22.94 | 252 | 299531 | 4.957 | ng/ul# | 96 |
| 91) Benzo(a)pyrene | 23.47 | 252 | 291163 | 4.903 | ng/ul# | 94 |
| 92) Indeno(1,2,3-cd)pyrene | 25.83 | 276 | 353766 | 5.415 | ng/ul# | 90 |
| 93) Dibenzo(a,h)anthracene | 25.84 | 278 | 294217 | 5.311 | ng/ul# | 94 |
| 94) Benzo(g,h,i)perylene | 26.51 | 276 | 296534 | 5.605 | ng/ul# | 91 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091018\
Data File : BM016705.D
Acq On : 10 Sep 2018 11:49
Operator : SJ/JU
Sample : SSTD00547
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD00547

Quant Time: Sep 10 14:20:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM091018MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 10 13:31:33 2018
Response via : Initial Calibration