Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM113016\
Data File : BM008115.D
Acq On : 30 Nov 2016 13:57
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02041

Quant Time: Nov 30 14:59:20 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 30 10:28:38 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.70 | 152 | 145749 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.47 | 136 | 549202 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.34 | 164 | 339569 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.09 | 188 | 638876 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.28 | 240 | 777955 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.52 | 264 | 775809 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.26 | 96 | 25033 | 8.49 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.88 | 99 | 208172 | 19.16 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.04 | 67 | 125458 | 20.08 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.23 | 132 | 166849 | 19.84 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.41 | 113 | 161685 | 19.15 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.86 | 128 | 79689 | 20.21 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.57 | 143 | 87673 | 19.54 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.10 | 165 | 157420 | 19.27 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.63 | 131 | 153259 | 19.26 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.75 | 166 | 430259 | 19.66 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.03 | 160 | 531072 | 19.75 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.57 | 143 | 53223 | 15.74 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.33 | 176 | 371964 | 19.69 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.48 | 200 | 63574 | 16.76 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.19 | 188 | 549968 | 20.01 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.49 | 212 | 608012 | 19.31 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.37 | 264 | 640200 | 19.81 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.29 | 88 | 27956 | 8.26 | ng/uL | 97 |
| 4) Benzaldehyde | 6.86 | 77 | 155945 | 19.83 | ng/ul | 97 |
| 6) Phenol | 6.91 | 94 | 215312 | 19.30 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 7.13 | 93 | 168346 | 19.88 | ng/ul | 99 |
| 10) 2-Chlorophenol | 7.27 | 128 | 170424 | 19.79 | ng/ul | 99 |
| 11) 2-Methylphenol | 8.15 | 108 | 157386 | 19.03 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.23 | 45 | 189151 | 20.10 | ng/ul | 97 |
| 14) Acetophenone | 8.52 | 105 | 256459 | 18.98 | ng/ul | 96 |
| 15) N-Nitroso-di-n-propylamine | 8.50 | 70 | 132970 | 18.76 | ng/ul | 99 |
| 16) 4-Methylphenol | 8.47 | 108 | 167982 | 18.85 | ng/ul | 95 |
| 17) Hexachloroethane | 8.76 | 117 | 76896 | 20.02 | ng/ul | 99 |
| 20) Nitrobenzene | 8.90 | 77 | 197023 | 20.10 | ng/ul | 98 |
| 21) Isophorone | 9.42 | 82 | 348236 | 19.28 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.60 | 139 | 88120 | 19.26 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 9.66 | 107 | 195243 | 19.88 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 9.90 | 93 | 207693 | 19.81 | ng/ul | 96 |
| 27) 2,4-Dichlorophenol | 10.13 | 162 | 157514 | 19.71 | ng/ul | 97 |
| 28) Naphthalene | 10.52 | 128 | 510644 | 20.01 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.65 | 127 | 162614 | 19.84 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.80 | 225 | 129927 | 20.50 | ng/ul | 95 |
| 32) Caprolactam | 11.45 | 113 | 39917 | 16.46 | ng/ul | 94 |
| 33) 4-Chloro-3-methylphenol | 11.78 | 107 | 164795 | 19.19 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.14 | 142 | 360148 | 19.72 | ng/ul | 97 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM113016\
Data File : BM008115.D
Acq On : 30 Nov 2016 13:57
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02041

Quant Time: Nov 30 14:59:20 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 30 10:28:38 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.52 | 216 | 217585 | 20.64 | ng/ul | 96 |
| 37) Hexachlorocyclopentadiene | 12.49 | 237 | 81055 | 15.52 | ng/ul | 98 |
| 38) 2,4,6-Trichlorophenol | 12.77 | 196 | 122488 | 19.37 | ng/ul | 97 |
| 39) 2,4,5-Trichlorophenol | 12.85 | 196 | 127944 | 19.10 | ng/ul | 98 |
| 40) 1,1'-Biphenyl | 13.16 | 154 | 458944 | 20.06 | ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.20 | 162 | 352736 | 20.17 | ng/ul | 98 |
| 42) 2-Nitroaniline | 13.43 | 65 | 94781 | 18.98 | ng/ul | 96 |
| 44) Dimethylphthalate | 13.80 | 163 | 421176 | 19.62 | ng/ul | 100 |
| 45) 2,6-Dinitrotoluene | 13.93 | 165 | 82154 | 19.31 | ng/ul | 99 |
| 47) Acenaphthylene | 14.06 | 152 | 541330 | 19.95 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.27 | 138 | 72058 | 18.06 | ng/ul | 100 |
| 49) Acenaphthene | 14.40 | 153 | 372266 | 20.09 | ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.49 | 184 | 39817 | 14.82 | ng/ul | 98 |
| 52) 4-Nitrophenol | 14.58 | 109 | 52630 | 16.56 | ng/ul | 87 |
| 53) Dibenzofuran | 14.74 | 168 | 528957 | 20.06 | ng/ul | 100 |
| 54) 2,4-Dinitrotoluene | 14.73 | 165 | 117380 | 19.36 | ng/ul | 94 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.97 | 232 | 114407 | 19.02 | ng/ul | 98 |
| 56) Diethylphthalate | 15.17 | 149 | 407483 | 17.73 | ng/ul | 100 |
| 58) Fluorene | 15.39 | 166 | 421841 | 19.71 | ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.39 | 204 | 224596 | 19.82 | ng/ul | 99 |
| 60) 4-Nitroaniline | 15.43 | 138 | 70858 | 17.71 | ng/ul | 93 |
| 63) 4,6-Dinitro-2-methylphenol | 15.50 | 198 | 69880 | 17.91 | ng/ul | 99 |
| 64) N-Nitrosodiphenylamine | 15.60 | 169 | 355996 | 19.97 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.28 | 248 | 141846 | 19.92 | ng/ul | 98 |
| 66) Hexachlorobenzene | 16.40 | 284 | 156022 | 19.91 | ng/ul | 96 |
| 67) Atrazine | 16.56 | 200 | 133992 | 19.18 | ng/ul | 96 |
| 68) Pentachlorophenol | 16.75 | 266 | 78113 | 17.23 | ng/ul | 97 |
| 69) Phenanthrene | 17.13 | 178 | 643328 | 20.14 | ng/ul | 99 |
| 71) Anthracene | 17.22 | 178 | 653561 | 20.05 | ng/ul | 98 |
| 72) Carbazole | 17.50 | 167 | 555008 | 19.60 | ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.06 | 149 | 640695 | 19.09 | ng/ul | 99 |
| 74) Fluoranthene | 19.15 | 202 | 746678 | 20.13 | ng/ul | 99 |
| 77) Pyrene | 19.52 | 202 | 770730 | 19.26 | ng/ul | 99 |
| 78) Butylbenzylphthalate | 20.42 | 149 | 288656 | 18.73 | ng/ul | 98 |
| 79) 3,3'-Dichlorobenzidine | 21.20 | 252 | 274050 | 19.95 | ng/ul | 98 |
| 80) Benzo(a)anthracene | 21.26 | 228 | 790065 | 19.68 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 430362 | 18.53 | ng/ul | 99 |
| 82) Chrysene | 21.32 | 228 | 753722 | 19.88 | ng/ul | 100 |
| 84) Di-n-octyl phthalate | 22.06 | 149 | 757117 | 18.96 | ng/ul | 99 |
| 85) Benzo(b)fluoranthene | 22.84 | 252 | 808801 | 19.47 | ng/ul | 99 |
| 86) Benzo(k)fluoranthene | 22.89 | 252 | 794190 | 20.27 | ng/ul | 99 |
| 88) Benzo(a)pyrene | 23.42 | 252 | 794079 | 19.89 | ng/ul | 99 |
| 89) Indeno(1,2,3-cd)pyrene | 25.77 | 276 | 980317 | 20.14 | ng/ul | 99 |
| 90) Dibenzo(a,h)anthracene | 25.77 | 278 | 825351 | 20.10 | ng/ul | 100 |
| 91) Benzo(g,h,i)perylene | 26.46 | 276 | 805826 | 19.90 | ng/ul | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM113016\
Data File : BM008115.D
Acq On : 30 Nov 2016 13:57
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02041

Quant Time: Nov 30 14:59:20 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM112916.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 30 10:28:38 2016
Response via : Initial Calibration