Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110716\
Data File : BM007788.D
Acq On : 08 Nov 2016 01:02
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 03:35:14 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 08 03:28:55 2016
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** SSTD02040

**Manual Integrations APPROVED**
umangi
11/8/2016 3:15:30 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.75 | 152 | 177788 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.52 | 136 | 677081 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.37 | 164 | 434665 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.13 | 188 | 856148 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.31 | 240 | 1072257 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.56 | 264 | 1087501 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.29 | 96 | 33607 | 8.10 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.92 | 99 | 278616 | 20.30 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.08 | 67 | 168490 | 20.69 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.28 | 132 | 220414 | 20.94 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.45 | 113 | 213880 | 19.92 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.90 | 128 | 100754 | 20.68 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.62 | 143 | 112188 | 21.72 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.15 | 165 | 217124 | 21.38 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.67 | 131 | 258189 | 22.29 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.79 | 166 | 612556 | 20.70 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.07 | 160 | 749483 | 21.04 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.59 | 143 | 92378 | 19.74 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.37 | 176 | 529718 | 20.42 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.51 | 200 | 94834 | 18.64 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.22 | 188 | 814728 | 21.12 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.52 | 212 | 926708 | 21.04 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.42 | 264 | 993013 | 20.92 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.32 | 88 | 36281 | 8.00 | ng/uL | 98 |
| 4) Benzaldehyde | 6.90 | 77 | 192735 | 22.21 | ng/ul | 98 |
| 6) Phenol | 6.95 | 94 | 281703 | 20.00 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 7.17 | 93 | 221828 | 20.44 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.31 | 128 | 223858 | 20.73 | ng/ul | 95 |
| 11) 2-Methylphenol | 8.19 | 108 | 205001 | 19.99 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.27 | 45 | 248747 | 20.68 | ng/ul | 98 |
| 14) Acetophenone | 8.56 | 105 | 343794 | 20.42 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.55 | 70 | 175088 | 20.96 | ng/ul | 96 |
| 16) 4-Methylphenol | 8.51 | 108 | 220889 | 20.00 | ng/ul | 96 |
| 17) Hexachloroethane | 8.81 | 117 | 100042 | 20.97 | ng/ul | 98 |
| 20) Nitrobenzene | 8.94 | 77 | 267739 | 21.36 | ng/ul | 97 |
| 21) Isophorone | 9.46 | 82 | 452634 | 21.11 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.65 | 139 | 116084 | 21.51 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 9.70 | 107 | 262687 | 21.33 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.94 | 93 | 270529 | 20.63 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.17 | 162 | 212449 | 21.24 | ng/ul | 99 |
| 28) Naphthalene | 10.57 | 128 | 680198 | 20.65 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.69 | 127 | 263128 | 22.37 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.85 | 225 | 173175 | 21.25 | ng/ul | 98 |
| 32) Caprolactam | 11.47 | 113 | 54202m | 19.54 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.82 | 107 | 223826 | 21.34 | ng/ul | 92 |
| 34) 2-Methylnaphthalene | 12.19 | 142 | 483490 | 20.64 | ng/ul | 100 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110716\
Data File : BM007788.D
Acq On : 08 Nov 2016 01:02
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02040

Manual Integrations APPROVED
umangi
11/8/2016 3:15:30 PM

Quant Time: Nov 08 03:35:14 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 08 03:28:55 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.56 | 216 | 293887 | 20.94 | ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 12.53 | 237 | 131302 | 15.89 | ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 12.80 | 196 | 165380 | 21.19 | ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 12.88 | 196 | 177646 | 20.78 | ng/ul | 98 |
| 40) 1,1'-Biphenyl | 13.20 | 154 | 633469 | 20.67 | ng/ul | 100 |
| 41) 2-Chloronaphthalene | 13.25 | 162 | 486448 | 20.75 | ng/ul | 99 |
| 42) 2-Nitroaniline | 13.46 | 65 | 134991 | 21.70 | ng/ul | 96 |
| 44) Dimethylphthalate | 13.84 | 163 | 585229 | 20.36 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.96 | 165 | 113591 | 21.01 | ng/ul | 88 |
| 47) Acenaphthylene | 14.10 | 152 | 749373 | 20.75 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.30 | 138 | 114001 | 21.32 | ng/ul | 97 |
| 49) Acenaphthene | 14.44 | 153 | 514486 | 20.64 | ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.52 | 184 | 54813 | 16.46 | ng/ul# | 87 |
| 52) 4-Nitrophenol | 14.61 | 109 | 88217 | 19.01 | ng/ul | 98 |
| 53) Dibenzofuran | 14.77 | 168 | 740006 | 20.68 | ng/ul | 96 |
| 54) 2,4-Dinitrotoluene | 14.76 | 165 | 167851 | 21.52 | ng/ul | 94 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.01 | 232 | 158254 | 20.76 | ng/ul | 97 |
| 56) Diethylphthalate | 15.20 | 149 | 582829 | 20.48 | ng/ul | 98 |
| 58) Fluorene | 15.43 | 166 | 599461 | 20.98 | ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.42 | 204 | 314219 | 20.63 | ng/ul | 97 |
| 60) 4-Nitroaniline | 15.46 | 138 | 111428 | 20.67 | ng/ul | 95 |
| 63) 4,6-Dinitro-2-methylphenol | 15.52 | 198 | 97673 | 18.59 | ng/ul# | 98 |
| 64) N-Nitrosodiphenylamine | 15.64 | 169 | 510986 | 20.88 | ng/ul | 98 |
| 65) 4-Bromophenyl-phenylether | 16.32 | 248 | 199483 | 20.43 | ng/ul | 98 |
| 66) Hexachlorobenzene | 16.43 | 284 | 222845 | 20.60 | ng/ul | 96 |
| 67) Atrazine | 16.59 | 200 | 192538 | 20.42 | ng/ul | 97 |
| 68) Pentachlorophenol | 16.78 | 266 | 115627 | 19.07 | ng/ul | 97 |
| 69) Phenanthrene | 17.17 | 178 | 929694 | 20.43 | ng/ul | 99 |
| 71) Anthracene | 17.26 | 178 | 957140 | 20.65 | ng/ul | 100 |
| 72) Carbazole | 17.53 | 167 | 833440 | 20.77 | ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.09 | 149 | 956405 | 21.41 | ng/ul | 99 |
| 74) Fluoranthene | 19.19 | 202 | 1103434 | 20.73 | ng/ul | 99 |
| 77) Pyrene | 19.55 | 202 | 1155724 | 20.86 | ng/ul | 99 |
| 78) Butylbenzylphthalate | 20.44 | 149 | 425117 | 21.57 | ng/ul | 94 |
| 79) 3,3'-Dichlorobenzidine | 21.23 | 252 | 406504 | 21.35 | ng/ul | 99 |
| 80) Benzo(a)anthracene | 21.30 | 228 | 1188887 | 20.75 | ng/ul | 100 |
| 81) Bis(2-ethylhexyl)phthalate | 21.22 | 149 | 631955 | 21.77 | ng/ul | 100 |
| 82) Chrysene | 21.35 | 228 | 1150874 | 20.90 | ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.10 | 149 | 1129341 | 20.48 | ng/ul | 99 |
| 85) Benzo(b)fluoranthene | 22.89 | 252 | 1286435 | 20.71 | ng/ul | 99 |
| 86) Benzo(k)fluoranthene | 22.93 | 252 | 1182093 | 20.68 | ng/ul | 99 |
| 88) Benzo(a)pyrene | 23.46 | 252 | 1226436 | 20.96 | ng/ul | 100 |
| 89) Indeno(1,2,3-cd)pyrene | 25.83 | 276 | 1497497 | 21.36 | ng/ul | 99 |
| 90) Dibenzo(a,h)anthracene | 25.84 | 278 | 1262992 | 21.36 | ng/ul | 99 |
| 91) Benzo(g,h,i)perylene | 26.53 | 276 | 1254120 | 21.30 | ng/ul | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110716\
Data File : BM007788.D
Acq On : 08 Nov 2016 01:02
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 03:35:14 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 08 03:28:55 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02040

**Manual Integrations APPROVED**
umangi
11/8/2016 3:15:30 PM