Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030117\
Data File : BM009053.D
Acq On : 01 Mar 2017 16:29
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02061

**Manual Integrations APPROVED**
mohammad
3/2/2017 11:03:59 AM

Quant Time: Mar 02 03:51:38 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 02 03:22:17 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.90 | 152 | 206396 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.70 | 136 | 846040 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.54 | 164 | 613809 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.29 | 188 | 1288729 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.46 | 240 | 1537535 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.80 | 264 | 1379180 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.36 | 96 | 41444 | 8.06 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.05 | 99 | 376528 | 20.13 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.23 | 67 | 271209 | 20.24 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.42 | 132 | 256904 | 20.61 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.59 | 113 | 283305 | 20.62 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.06 | 128 | 123699 | 20.43 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.78 | 143 | 136525 | 20.90 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.31 | 165 | 282392 | 20.59 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.84 | 131 | 321979 | 22.27 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.94 | 166 | 854186 | 20.67 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.23 | 160 | 1057870 | 20.84 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.73 | 143 | 145069 | 20.10 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.53 | 176 | 795329 | 20.61 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.64 | 200 | 142250 | 18.34 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.38 | 188 | 1257557m | 20.61 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.67 | 212 | 1423257 | 21.23 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.65 | 264 | 1291078 | 20.62 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.40 | 88 | 47982m | 7.99 | ng/uL | |
| 4) Benzaldehyde | 7.05 | 77 | 316731 | 22.52 | ng/ul | 88 |
| 6) Phenol | 7.07 | 94 | 402800 | 20.40 | ng/ul# | 69 |
| 8) Bis(2-Chloroethyl)ether | 7.32 | 93 | 314908 | 20.34 | ng/ul# | 82 |
| 10) 2-Chlorophenol | 7.46 | 128 | 269022 | 20.72 | ng/ul# | 83 |
| 11) 2-Methylphenol | 8.33 | 108 | 280219 | 20.47 | ng/ul | 96 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.43 | 45 | 518144 | 20.30 | ng/ul | 97 |
| 14) Acetophenone | 8.72 | 105 | 491180 | 20.65 | ng/ul# | 74 |
| 15) N-Nitroso-di-n-propylamine | 8.70 | 70 | 297223 | 20.38 | ng/ul# | 84 |
| 16) 4-Methylphenol | 8.66 | 108 | 307085 | 20.64 | ng/ul | 94 |
| 17) Hexachloroethane | 8.97 | 117 | 131576 | 20.92 | ng/ul# | 82 |
| 20) Nitrobenzene | 9.10 | 77 | 426471 | 19.94 | ng/ul# | 91 |
| 21) Isophorone | 9.63 | 82 | 733998 | 20.62 | ng/ul | 96 |
| 23) 2-Nitrophenol | 9.82 | 139 | 142820 | 20.30 | ng/ul# | 56 |
| 24) 2,4-Dimethylphenol | 9.86 | 107 | 376030 | 20.68 | ng/ul | 89 |
| 25) Bis(2-Chloroethoxy)methane | 10.10 | 93 | 424643 | 20.74 | ng/ul | 93 |
| 27) 2,4-Dichlorophenol | 10.34 | 162 | 279406 | 20.78 | ng/ul | 93 |
| 28) Naphthalene | 10.75 | 128 | 867007 | 20.44 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.86 | 127 | 351833 | 23.00 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 11.02 | 225 | 225174 | 20.05 | ng/ul | 96 |
| 32) Caprolactam | 11.64 | 113 | 79068 | 19.62 | ng/ul# | 73 |
| 33) 4-Chloro-3-methylphenol | 11.97 | 107 | 327705 | 20.81 | ng/ul# | 92 |
| 34) 2-Methylnaphthalene | 12.36 | 142 | 639061 | 20.17 | ng/ul | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030117\
Data File : BM009053.D
Acq On : 01 Mar 2017 16:29
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02061

**Manual Integrations APPROVED**
mohammad
3/2/2017 11:03:59 AM

Quant Time: Mar 02 03:51:38 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 02 03:22:17 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.72 | 216 | 407334 | 20.40 | ng/ul# | 96 |
| 37) Hexachlorocyclopentadiene | 12.70 | 237 | 242919 | 18.88 | ng/ul | 97 |
| 38) 2,4,6-Trichlorophenol | 12.96 | 196 | 245349 | 21.53 | ng/ul | 93 |
| 39) 2,4,5-Trichlorophenol | 13.03 | 196 | 263827 | 21.22 | ng/ul | 92 |
| 40) 1,1'-Biphenyl | 13.37 | 154 | 882037 | 20.84 | ng/ul | 95 |
| 41) 2-Chloronaphthalene | 13.41 | 162 | 693255 | 21.02 | ng/ul | 94 |
| 42) 2-Nitroaniline | 13.62 | 65 | 257329 | 20.47 | ng/ul# | 79 |
| 44) Dimethylphthalate | 13.99 | 163 | 848560 | 20.52 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.12 | 165 | 170188 | 21.59 | ng/ul# | 67 |
| 47) Acenaphthylene | 14.26 | 152 | 1053962 | 21.19 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.44 | 138 | 163379 | 21.13 | ng/ul# | 91 |
| 49) Acenaphthene | 14.60 | 153 | 753034 | 21.20 | ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.65 | 184 | 74812 | 14.65 | ng/ul# | 72 |
| 52) 4-Nitrophenol | 14.74 | 109 | 177625 | 19.21 | ng/ul# | 68 |
| 53) Dibenzofuran | 14.93 | 168 | 1081379 | 20.79 | ng/ul | 92 |
| 54) 2,4-Dinitrotoluene | 14.90 | 165 | 247597 | 21.27 | ng/ul# | 66 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.16 | 232 | 242223 | 21.06 | ng/ul# | 89 |
| 56) Diethylphthalate | 15.35 | 149 | 873439 | 20.63 | ng/ul | 98 |
| 58) Fluorene | 15.59 | 166 | 898694 | 20.74 | ng/ul | 96 |
| 59) 4-Chlorophenyl-phenylether | 15.57 | 204 | 489019 | 20.86 | ng/ul# | 96 |
| 60) 4-Nitroaniline | 15.61 | 138 | 186592 | 21.68 | ng/ul# | 34 |
| 63) 4,6-Dinitro-2-methylphenol | 15.66 | 198 | 155466 | 19.09 | ng/ul# | 75 |
| 64) N-Nitrosodiphenylamine | 15.79 | 169 | 770675 | 20.49 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.47 | 248 | 308300 | 20.98 | ng/ul# | 87 |
| 66) Hexachlorobenzene | 16.58 | 284 | 323826 | 20.10 | ng/ul | 98 |
| 67) Atrazine | 16.74 | 200 | 296457 | 20.06 | ng/ul | 95 |
| 68) Pentachlorophenol | 16.93 | 266 | 185935 | 18.63 | ng/ul# | 88 |
| 69) Phenanthrene | 17.33 | 178 | 1444241 | 20.28 | ng/ul | 99 |
| 71) Anthracene | 17.42 | 178 | 1495207 | 20.57 | ng/ul | 96 |
| 72) Carbazole | 17.69 | 167 | 1280649 | 19.91 | ng/ul | 97 |
| 73) Di-n-butylphthalate | 18.24 | 149 | 1493024 | 20.49 | ng/ul# | 97 |
| 74) Fluoranthene | 19.33 | 202 | 1730004 | 20.09 | ng/ul# | 94 |
| 77) Pyrene | 19.70 | 202 | 1826024 | 21.26 | ng/ul# | 94 |
| 78) Butylbenzylphthalate | 20.59 | 149 | 641037 | 20.75 | ng/ul | 90 |
| 79) 3,3'-Dichlorobenzidine | 21.37 | 252 | 614909 | 20.89 | ng/ul | 98 |
| 80) Benzo(a)anthracene | 21.44 | 228 | 1798140 | 20.50 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.35 | 149 | 918488 | 20.50 | ng/ul | 96 |
| 82) Chrysene | 21.49 | 228 | 1677567 | 20.12 | ng/ul | 98 |
| 84) Di-n-octyl phthalate | 22.26 | 149 | 1574762 | 19.83 | ng/ul# | 90 |
| 85) Benzo(b)fluoranthene | 23.09 | 252 | 1702166 | 20.52 | ng/ul# | 98 |
| 86) Benzo(k)fluoranthene | 23.13 | 252 | 1639582 | 21.00 | ng/ul# | 97 |
| 88) Benzo(a)pyrene | 23.70 | 252 | 1617535 | 20.56 | ng/ul# | 97 |
| 89) Indeno(1,2,3-cd)pyrene | 26.20 | 276 | 1767207 | 19.78 | ng/ul# | 93 |
| 90) Dibenzo(a,h)anthracene | 26.21 | 278 | 1487999 | 19.55 | ng/ul# | 94 |
| 91) Benzo(g,h,i)perylene | 26.93 | 276 | 1462585 | 19.78 | ng/ul# | 94 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030117\
Data File : BM009053.D
Acq On : 01 Mar 2017 16:29
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 02 03:51:38 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 02 03:22:17 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02061

**Manual Integrations APPROVED**
mohammad
3/2/2017 11:03:59 AM