Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091319\
Data File : BM022676.D
Acq On : 13 Sep 2019 14:39
Operator : HP/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02063

**Manual Integrations APPROVED**
mohammad
9/17/2019 9:21:05 AM

Quant Time: Sep 14 01:09:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 09 07:45:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.84 | 152 | 215743 | 20.00 | ng/ul | -0.02 |
| 18) Naphthalene-d8 | 10.63 | 136 | 972402 | 20.00 | ng/ul | -0.02 |
| 36) Acenaphthene-d10 | 14.47 | 164 | 627197 | 20.00 | ng/ul | -0.01 |
| 62) Phenanthrene-d10 | 17.21 | 188 | 1328362 | 20.00 | ng/ul | -0.01 |
| 78) Chrysene-d12 | 21.39 | 240 | 1504894 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.67 | 264 | 1694745 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.29 | 96 | 37788 | 7.30 | ng/uL | -0.01 |
| 5) Phenol-d5 | 7.00 | 99 | 363171 | 18.25 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.17 | 67 | 213852 | 18.75 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4 | 7.37 | 132 | 288966 | 18.38 | ng/ul | -0.02 |
| 13) 4-Methylphenol-d8 | 8.54 | 113 | 289660 | 17.90 | ng/ul | -0.02 |
| 19) Nitrobenzene-d5 | 8.99 | 128 | 140866 | 20.08 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4 | 9.72 | 143 | 123531 | 19.10 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3 | 10.25 | 165 | 290802 | 17.70 | ng/ul | -0.02 |
| 29) 4-Chloroaniline-d4 | 10.76 | 131 | 424009 | 19.54 | ng/ul | -0.01 |
| 44) Dimethylphthalate-d6 | 13.88 | 166 | 903208 | 17.77 | ng/ul | -0.01 |
| 47) Acenaphthylene-d8 | 14.16 | 160 | 1173833 | 19.29 | ng/ul | -0.02 |
| 52) 4-Nitrophenol-d4 | 14.66 | 143 | 173763 | 20.02 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.46 | 176 | 804552 | 18.91 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.57 | 200 | 119341 | 19.77 | ng/ul | -0.01 |
| 71) Anthracene-d10 | 17.30 | 188 | 1294714 | 19.03 | ng/ul | -0.02 |
| 79) Pyrene-d10 | 19.60 | 212 | 1463948 | 17.53 | ng/ul | -0.01 |
| 90) Benzo(a)pyrene-d12 | 23.53 | 264 | 1595549 | 17.52 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.33 | 88 | 38185 | 7.330 | ng/uL | 94 |
| 4) Benzaldehyde | 6.97 | 77 | 245019 | 23.577 | ng/ul | 98 |
| 6) Phenol | 7.03 | 94 | 377560 | 18.156 | ng/ul | 96 |
| 8) Bis(2-Chloroethyl)ether | 7.26 | 93 | 291080 | 18.430 | ng/ul | 99 |
| 10) 2-Chlorophenol | 7.40 | 128 | 297295 | 17.994 | ng/ul | 99 |
| 11) 2-Methylphenol | 8.27 | 108 | 278942 | 17.188 | ng/ul | 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.37 | 45 | 424889 | 18.292 | ng/ul | 99 |
| 14) Acetophenone | 8.66 | 105 | 471195 | 18.663 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.65 | 70 | 240010 | 17.600 | ng/ul | 99 |
| 16) 4-Methylphenol | 8.60 | 108 | 306871 | 17.512 | ng/ul | 98 |
| 17) Hexachloroethane | 8.92 | 117 | 119096 | 18.195 | ng/ul | 98 |
| 20) Nitrobenzene | 9.03 | 77 | 342424 | 19.509 | ng/ul | 96 |
| 21) Isophorone | 9.56 | 82 | 642825 | 16.344 | ng/ul | 100 |
| 23) 2-Nitrophenol | 9.75 | 139 | 145594 | 18.962 | ng/ul | 98 |
| 24) 2,4-Dimethylphenol | 9.80 | 107 | 332566 | 17.275 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 10.04 | 93 | 412762 | 17.898 | ng/ul | 100 |
| 27) 2,4-Dichlorophenol | 10.27 | 162 | 286425 | 17.663 | ng/ul | 98 |
| 28) Naphthalene | 10.68 | 128 | 986376 | 18.296 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.79 | 127 | 424863 | 19.063 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.98 | 225 | 176971 | 17.715 | ng/ul | 99 |
| 32) Caprolactam | 11.56 | 113 | 119459m | 19.790 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.91 | 107 | 304571 | 17.020 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 12.29 | 142 | 729166 | 17.952 | ng/ul | 99 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.52 | 142 | 717334 | 18.484 | ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.66 | 216 | 358193 | 17.700 | ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.65 | 237 | 191063 | 15.315 | ng/ul | 99 |
| 39) 2,4,6-Trichlorophenol | 12.90 | 196 | 219357 | 17.316 | ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 12.97 | 196 | 242827 | 17.676 | ng/ul | 99 |
| 41) 1,1'-Biphenyl | 13.30 | 154 | 931381 | 17.833 | ng/ul | 99 |
| 42) 2-Chloronaphthalene | 13.34 | 162 | 734973 | 18.587 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.54 | 65 | 190736 | 20.660 | ng/ul | 95 |
| 45) Dimethylphthalate | 13.93 | 163 | 909553 | 17.631 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 14.04 | 165 | 170385 | 20.286 | ng/ul | 99 |
| 48) Acenaphthylene | 14.19 | 152 | 1105738 | 17.517 | ng/ul | 100 |
| 49) 3-Nitroaniline | 14.36 | 138 | 196202 | 21.542 | ng/ul# | 96 |
| 50) Acenaphthene | 14.54 | 153 | 799316 | 18.275 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.57 | 184 | 73433 | 19.059 | ng/ul# | 74 |
| 53) 4-Nitrophenol | 14.67 | 109 | 131676 | 18.877 | ng/ul | 92 |
| 54) Dibenzofuran | 14.87 | 168 | 1120011 | 18.451 | ng/ul | 100 |
| 55) 2,4-Dinitrotoluene | 14.83 | 165 | 259722 | 21.110 | ng/ul | 91 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.09 | 232 | 201513 | 17.659 | ng/ul | 98 |
| 57) Diethylphthalate | 15.29 | 149 | 913417 | 17.113 | ng/ul | 99 |
| 59) Fluorene | 15.52 | 166 | 944696 | 18.916 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.52 | 204 | 467599 | 18.919 | ng/ul | 98 |
| 61) 4-Nitroaniline | 15.53 | 138 | 230908 | 22.249 | ng/ul | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 15.59 | 198 | 127860 | 18.301 | ng/ul | 99 |
| 65) N-Nitrosodiphenylamine | 15.72 | 169 | 804052 | 17.738 | ng/ul | 100 |
| 66) 4-Bromophenyl-phenylether | 16.40 | 248 | 279944 | 16.867 | ng/ul | 98 |
| 67) Hexachlorobenzene | 16.52 | 284 | 323516 | 17.688 | ng/ul | 99 |
| 68) Atrazine | 16.67 | 200 | 332674 | 19.090 | ng/ul | 100 |
| 69) Pentachlorophenol | 16.86 | 266 | 165002 | 16.351 | ng/ul | 99 |
| 70) Phenanthrene | 17.25 | 178 | 1508603 | 18.548 | ng/ul | 99 |
| 72) Anthracene | 17.34 | 178 | 1554131 | 18.602 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.27 | 216 | 350983 | 16.972 | ng/uL | 99 |
| 74) Pentachlorobenzene | 14.79 | 250 | 376940 | 18.082 | ng/uL | 99 |
| 75) Carbazole | 17.60 | 167 | 1398552 | 18.624 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 18.18 | 149 | 1537680 | 16.169 | ng/ul | 100 |
| 77) Fluoranthene | 19.26 | 202 | 1788064 | 19.372 | ng/ul | 97 |
| 80) Pyrene | 19.63 | 202 | 1886489 | 17.322 | ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.53 | 149 | 685758 | 14.934 | ng/ul | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.30 | 252 | 629500 | 16.449 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.37 | 228 | 2018340 | 18.080 | ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.31 | 149 | 1095969 | 15.729 | ng/ul | 100 |
| 85) Chrysene | 21.43 | 228 | 1887453 | 18.373 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 22.20 | 149 | 1777563 | 14.652 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.99 | 252 | 1992605 | 17.872 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 23.03 | 252 | 2044032 | 18.865 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.57 | 252 | 1972525 | 18.542 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 25.99 | 276 | 2266014 | 18.438 | ng/ul | 97 |
| 93) Dibenzo(a,h)anthracene | 26.00 | 278 | 1891112 | 18.491 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 26.70 | 276 | 1791302 | 17.743 | ng/ul | 98 |

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|---|---|---|---|---|---|---|

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

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