Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112018\
Data File : BM017705.D
Acq On : 20 Nov 2018 15:58
Operator : MJ/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02060

**Manual Integrations APPROVED**
Sohil
11/21/2018 11:59:58 AM

Quant Time: Nov 21 01:08:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 20 01:04:58 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.60 | 152 | 194184 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.37 | 136 | 889102 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.24 | 164 | 558031 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.00 | 188 | 1322575 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.20 | 240 | 1558268 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.39 | 264 | 1552276 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.19 | 96 | 32570 | 7.68 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.78 | 99 | 339870 | 19.16 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.95 | 67 | 209077 | 19.55 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.13 | 132 | 273496 | 19.71 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.31 | 113 | 277743 | 19.17 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.75 | 128 | 135833 | 19.89 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.47 | 143 | 150222 | 19.20 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.00 | 165 | 294032 | 19.74 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.52 | 131 | 258928 | 20.25 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.66 | 166 | 944637 | 19.51 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.93 | 160 | 1158705 | 19.77 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.47 | 143 | 165988 | 18.86 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.24 | 176 | 825883 | 19.75 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.38 | 200 | 170625 | 18.05 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.10 | 188 | 1303560 | 19.80 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.40 | 212 | 1469742 | 19.49 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.25 | 264 | 1666366 | 19.79 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.22 | 88 | 35393 | 7.818 | ng/uL | 96 |
| 4) Benzaldehyde | 6.76 | 77 | 61049 | 18.461 | ng/ul | 96 |
| 6) Phenol | 6.81 | 94 | 337745 | 19.079 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 7.04 | 93 | 262556 | 19.414 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.17 | 128 | 279393 | 20.152 | ng/ul | 98 |
| 11) 2-Methylphenol | 8.05 | 108 | 264524 | 19.586 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.13 | 45 | 316395 | 19.829 | ng/ul | 100 |
| 14) Acetophenone | 8.42 | 105 | 438172 | 19.400 | ng/ul | 100 |
| 15) N-Nitroso-di-n-propylamine | 8.40 | 70 | 237866 | 20.192 | ng/ul | 99 |
| 16) 4-Methylphenol | 8.37 | 108 | 283539 | 19.427 | ng/ul | 98 |
| 17) Hexachloroethane | 8.65 | 117 | 111552 | 19.845 | ng/ul | 98 |
| 20) Nitrobenzene | 8.79 | 77 | 335019 | 19.545 | ng/ul | 98 |
| 21) Isophorone | 9.32 | 82 | 630212 | 19.764 | ng/ul | 100 |
| 23) 2-Nitrophenol | 9.50 | 139 | 162393 | 19.942 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 9.56 | 107 | 337651 | 19.849 | ng/ul | 97 |
| 25) Bis(2-Chloroethoxy)methane | 9.80 | 93 | 386180 | 19.791 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.02 | 162 | 282912 | 20.114 | ng/ul | 99 |
| 28) Naphthalene | 10.42 | 128 | 915646 | 19.766 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.55 | 127 | 263311 | 20.189 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 10.69 | 225 | 181586 | 19.439 | ng/ul | 98 |
| 32) Caprolactam | 11.32 | 113 | 90463m | 19.440 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.67 | 107 | 316906 | 19.839 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.04 | 142 | 681810 | 19.716 | ng/ul | 97 |

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ALS Vial : 2 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.41 | 216 | 362630 | 19.475 | ng/ul | 95 |
| 37) Hexachlorocyclopentadiene | 12.39 | 237 | 212297 | 17.680 | ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 12.66 | 196 | 234937 | 19.414 | ng/ul | 99 |
| 39) 2,4,5-Trichlorophenol | 12.74 | 196 | 252212 | 19.488 | ng/ul | 98 |
| 40) 1,1'-Biphenyl | 13.07 | 154 | 898286 | 19.555 | ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.11 | 162 | 706136 | 19.651 | ng/ul | 99 |
| 42) 2-Nitroaniline | 13.33 | 65 | 210791 | 20.144 | ng/ul | 97 |
| 44) Dimethylphthalate | 13.71 | 163 | 914269 | 19.490 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.84 | 165 | 186655 | 20.250 | ng/ul | 98 |
| 47) Acenaphthylene | 13.96 | 152 | 1080775 | 19.748 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.17 | 138 | 167258 | 19.021 | ng/ul | 100 |
| 49) Acenaphthene | 14.31 | 153 | 773340 | 19.607 | ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.38 | 184 | 102695 | 16.432 | ng/ul | 95 |
| 52) 4-Nitrophenol | 14.49 | 109 | 139307 | 19.240 | ng/ul | 96 |
| 53) Dibenzofuran | 14.64 | 168 | 1092977 | 19.583 | ng/ul | 99 |
| 54) 2,4-Dinitrotoluene | 14.63 | 165 | 282933 | 20.272 | ng/ul | 99 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.88 | 232 | 233345 | 19.554 | ng/ul | 99 |
| 56) Diethylphthalate | 15.09 | 149 | 959096 | 19.847 | ng/ul | 100 |
| 58) Fluorene | 15.30 | 166 | 919268 | 19.751 | ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.30 | 204 | 473285 | 19.796 | ng/ul | 100 |
| 60) 4-Nitroaniline | 15.34 | 138 | 180478 | 18.462 | ng/ul | 98 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 198 | 176290 | 18.092 | ng/ul | 96 |
| 64) N-Nitrosodiphenylamine | 15.52 | 169 | 795241 | 19.530 | ng/ul | 98 |
| 65) 4-Bromophenyl-phenylether | 16.20 | 248 | 294422 | 19.481 | ng/ul | 99 |
| 66) Hexachlorobenzene | 16.30 | 284 | 328218 | 19.539 | ng/ul | 98 |
| 67) Atrazine | 16.48 | 200 | 290932 | 19.262 | ng/ul | 99 |
| 68) Pentachlorophenol | 16.65 | 266 | 187888 | 17.978 | ng/ul | 99 |
| 69) Phenanthrene | 17.04 | 178 | 1499321 | 19.824 | ng/ul | 100 |
| 71) Anthracene | 17.13 | 178 | 1539523 | 19.904 | ng/ul | 99 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.03 | 216 | 356773 | 19.035 | ng/uL | 98 |
| 73) Pentachlorobenzene | 14.56 | 250 | 369899 | 19.296 | ng/uL | 99 |
| 74) Carbazole | 17.41 | 167 | 1339147 | 19.648 | ng/ul | 99 |
| 75) Di-n-butylphthalate | 17.98 | 149 | 1671510 | 19.406 | ng/ul | 99 |
| 76) Fluoranthene | 19.07 | 202 | 1781659 | 20.027 | ng/ul | 100 |
| 79) Pyrene | 19.43 | 202 | 1850452 | 19.562 | ng/ul | 99 |
| 80) Butylbenzylphthalate | 20.34 | 149 | 791582 | 19.570 | ng/ul | 96 |
| 81) 3,3'-Dichlorobenzidine | 21.13 | 252 | 620713 | 19.350 | ng/ul | 100 |
| 82) Benzo(a)anthracene | 21.19 | 228 | 1922063 | 19.886 | ng/ul | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 1191519 | 19.893 | ng/ul | 100 |
| 84) Chrysene | 21.24 | 228 | 1796835 | 19.878 | ng/ul | 99 |
| 86) Di-n-octyl phthalate | 22.00 | 149 | 1998763 | 18.384 | ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 22.74 | 252 | 1866014 | 19.339 | ng/ul | 99 |
| 88) Benzo(k)fluoranthene | 22.78 | 252 | 1870798 | 19.950 | ng/ul | 99 |
| 90) Benzo(a)pyrene | 23.30 | 252 | 1810574 | 19.787 | ng/ul | 99 |
| 91) Indeno(1,2,3-cd)pyrene | 25.57 | 276 | 1936771 | 19.976 | ng/ul | 99 |
| 92) Dibenzo(a,h)anthracene | 25.57 | 278 | 1636152 | 19.988 | ng/ul | 99 |
| 93) Benzo(g,h,i)perylene | 26.23 | 276 | 1568567 | 20.018 | ng/ul | 99 |

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

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