Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013004.D
Acq On : 17 Nov 2017 17:52
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02036

Quant Time: Nov 17 22:19:28 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 17 22:17:15 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.72 | 152 | 127783 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.50 | 136 | 529482 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.36 | 164 | 320944 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.11 | 188 | 777650 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.29 | 240 | 933034 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.53 | 264 | 945931 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.25 | 96 | 22987 | 8.33 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.89 | 99 | 212866 | 19.23 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.06 | 67 | 124659 | 19.85 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.25 | 132 | 171625 | 19.40 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.42 | 113 | 170872 | 18.85 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.87 | 128 | 82548 | 21.88 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.59 | 143 | 80530 | 22.43 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.12 | 165 | 180589 | 19.82 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.64 | 131 | 202026 | 21.20 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.77 | 166 | 558601 | 19.84 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.05 | 160 | 704019 | 19.63 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.55 | 143 | 92352 | 21.63 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.36 | 176 | 476891 | 19.93 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 74181 | 22.00 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.20 | 188 | 781742 | 19.64 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.50 | 212 | 898090 | 18.84 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.38 | 264 | 937888 | 19.55 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.29 | 88 | 25815 | 8.518 | ng/uL# | 65 |
| 4) Benzaldehyde | 6.87 | 77 | 112719 | 18.896 | ng/ul | 97 |
| 6) Phenol | 6.92 | 94 | 211662 | 19.375 | ng/ul# | 84 |
| 8) Bis(2-Chloroethyl)ether | 7.15 | 93 | 161172 | 19.595 | ng/ul | 97 |
| 10) 2-Chlorophenol | 7.29 | 128 | 171955 | 19.639 | ng/ul | 95 |
| 11) 2-Methylphenol | 8.16 | 108 | 156539 | 18.878 | ng/ul | 96 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.25 | 45 | 181255 | 19.424 | ng/ul# | 81 |
| 14) Acetophenone | 8.54 | 105 | 265955 | 19.140 | ng/ul | 90 |
| 15) N-Nitroso-di-n-propylamine | 8.53 | 70 | 140214 | 19.675 | ng/ul# | 66 |
| 16) 4-Methylphenol | 8.49 | 108 | 169531 | 19.252 | ng/ul | 100 |
| 17) Hexachloroethane | 8.79 | 117 | 76368 | 20.594 | ng/ul# | 81 |
| 20) Nitrobenzene | 8.92 | 77 | 204336 | 21.672 | ng/ul | 92 |
| 21) Isophorone | 9.44 | 82 | 366064 | 18.947 | ng/ul# | 94 |
| 23) 2-Nitrophenol | 9.62 | 139 | 87181 | 22.318 | ng/ul# | 78 |
| 24) 2,4-Dimethylphenol | 9.69 | 107 | 204358 | 19.887 | ng/ul | 92 |
| 25) Bis(2-Chloroethoxy)methane | 9.93 | 93 | 217570 | 19.625 | ng/ul | 96 |
| 27) 2,4-Dichlorophenol | 10.15 | 162 | 167115 | 19.737 | ng/ul# | 86 |
| 28) Naphthalene | 10.55 | 128 | 545794 | 20.005 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.66 | 127 | 201404 | 22.050 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 10.84 | 225 | 128674 | 21.105 | ng/ul | 96 |
| 32) Caprolactam | 11.42 | 113 | 52129 | 19.607 | ng/ul# | 28 |
| 33) 4-Chloro-3-methylphenol | 11.79 | 107 | 179513 | 19.905 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 12.17 | 142 | 402747 | 20.176 | ng/ul | 92 |

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|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.54 | 216 | 231311 | 19.814 ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 12.52 | 237 | 165548 | 19.175 ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 12.78 | 196 | 140499 | 19.970 ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 12.85 | 196 | 151713 | 20.624 ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.19 | 154 | 532607 | 19.696 ng/ul | 97 |
| 41) 2-Chloronaphthalene | 13.23 | 162 | 429645 | 20.047 ng/ul | 98 |
| 42) 2-Nitroaniline | 13.43 | 65 | 118164 | 25.961 ng/ul | 93 |
| 44) Dimethylphthalate | 13.82 | 163 | 543253 | 20.180 ng/ul | 100 |
| 45) 2,6-Dinitrotoluene | 13.94 | 165 | 102580 | 24.974 ng/ul# | 95 |
| 47) Acenaphthylene | 14.08 | 152 | 663515 | 20.080 ng/ul | 99 |
| 48) 3-Nitroaniline | 14.26 | 138 | 92230 | 23.973 ng/ul | 89 |
| 49) Acenaphthene | 14.42 | 153 | 439711 | 19.801 ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.47 | 184 | 45741 | 23.262 ng/ul | 88 |
| 52) 4-Nitrophenol | 14.57 | 109 | 96199 | 24.862 ng/ul# | 79 |
| 53) Dibenzofuran | 14.76 | 168 | 647858 | 20.367 ng/ul | 99 |
| 54) 2,4-Dinitrotoluene | 14.73 | 165 | 146139 | 25.435 ng/ul# | 85 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.99 | 232 | 131524 | 21.351 ng/ul# | 93 |
| 56) Diethylphthalate | 15.20 | 149 | 543099 | 19.954 ng/ul | 96 |
| 58) Fluorene | 15.41 | 166 | 531438 | 20.286 ng/ul | 96 |
| 59) 4-Chlorophenyl-phenylether | 15.42 | 204 | 281328 | 20.328 ng/ul | 96 |
| 60) 4-Nitroaniline | 15.43 | 138 | 109253 | 21.594 ng/ul | 87 |
| 63) 4,6-Dinitro-2-methylphenol | 15.49 | 198 | 77907 | 21.274 ng/ul | 93 |
| 64) N-Nitrosodiphenylamine | 15.63 | 169 | 463987 | 19.005 ng/ul | 94 |
| 65) 4-Bromophenyl-phenylether | 16.31 | 248 | 185698 | 19.715 ng/ul | 96 |
| 66) Hexachlorobenzene | 16.41 | 284 | 201020 | 19.775 ng/ul# | 92 |
| 67) Atrazine | 16.58 | 200 | 177426 | 18.973 ng/ul | 91 |
| 68) Pentachlorophenol | 16.76 | 266 | 102471 | 19.545 ng/ul | 94 |
| 69) Phenanthrene | 17.15 | 178 | 878863 | 20.093 ng/ul | 98 |
| 71) Anthracene | 17.24 | 178 | 912455 | 20.105 ng/ul | 99 |
| 72) Carbazole | 17.51 | 167 | 761592 | 19.405 ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.09 | 149 | 922085 | 18.444 ng/ul | 98 |
| 74) Fluoranthene | 19.16 | 202 | 1077516 | 20.381 ng/ul# | 92 |
| 77) Pyrene | 19.53 | 202 | 1091164 | 18.782 ng/ul# | 91 |
| 78) Butylbenzylphthalate | 20.44 | 149 | 431364 | 17.869 ng/ul | 93 |
| 79) 3,3'-Dichlorobenzidine | 21.22 | 252 | 387756 | 20.220 ng/ul | 93 |
| 80) Benzo(a)anthracene | 21.27 | 228 | 1159200 | 19.412 ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.23 | 149 | 642483 | 18.058 ng/ul | 97 |
| 82) Chrysene | 21.33 | 228 | 1087245 | 19.635 ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.11 | 149 | 1085979 | 17.422 ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 22.86 | 252 | 1208307 | 19.766 ng/ul# | 97 |
| 86) Benzo(k)fluoranthene | 22.90 | 252 | 1107946 | 19.686 ng/ul# | 98 |
| 88) Benzo(a)pyrene | 23.43 | 252 | 1127684 | 19.808 ng/ul# | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 25.77 | 276 | 1323805 | 19.907 ng/ul# | 93 |
| 90) Dibenzo(a,h)anthracene | 25.79 | 278 | 1113538 | 19.767 ng/ul# | 96 |
| 91) Benzo(g,h,i)perylene | 26.46 | 276 | 1087841 | 19.688 ng/ul# | 96 |

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

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