Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM091117\
Data File : BM011508.D
Acq On : 11 Sep 2017 22:04
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02013

**Manual Integrations APPROVED**
Sohil
9/12/2017 2:22:14 PM

Quant Time: Sep 12 07:12:32 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 11 02:59:45 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.97 | 152 | 345851 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.79 | 136 | 1602461 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.61 | 164 | 1018791 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.34 | 188 | 2352965 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.51 | 240 | 2958337 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.89 | 264 | 2803608 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.39 | 96 | 62071 | 8.07 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.12 | 99 | 606603 | 18.27 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.30 | 67 | 452125 | 20.20 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.50 | 132 | 477601 | 19.08 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.67 | 113 | 496731 | 19.16 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.14 | 128 | 232495 | 19.11 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.86 | 143 | 229509 | 18.15 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.40 | 165 | 499382 | 19.62 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.92 | 131 | 611189 | 21.75 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.01 | 166 | 1678918 | 19.49 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.30 | 160 | 2096831 | 20.13 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.79 | 143 | 298091 | 18.42 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.60 | 176 | 1507937 | 20.21 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.70 | 200 | 228077 | 16.66 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.44 | 188 | 2357411 | 20.35 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.73 | 212 | 2616216 | 18.89 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.73 | 264 | 2632049 | 19.70 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.43 | 88 | 66810 | 7.928 | ng/uL# | 57 |
| 4) Benzaldehyde | 7.12 | 77 | 341639 | 18.004 | ng/ul | 93 |
| 6) Phenol | 7.15 | 94 | 627303 | 19.029 | ng/ul | 96 |
| 8) Bis(2-Chloroethyl)ether | 7.39 | 93 | 505201 | 19.467 | ng/ul# | 83 |
| 10) 2-Chlorophenol | 7.54 | 128 | 466512 | 19.108 | ng/ul | 93 |
| 11) 2-Methylphenol | 8.41 | 108 | 469597 | 18.788 | ng/ul | 90 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.51 | 45 | 923662 | 21.958 | ng/ul# | 91 |
| 14) Acetophenone | 8.80 | 105 | 772431 | 19.492 | ng/ul# | 93 |
| 15) N-Nitroso-di-n-propylamine | 8.78 | 70 | 422889 | 19.887 | ng/ul# | 74 |
| 16) 4-Methylphenol | 8.73 | 108 | 532735 | 19.480 | ng/ul | 94 |
| 17) Hexachloroethane | 9.06 | 117 | 184234 | 19.739 | ng/ul | 83 |
| 20) Nitrobenzene | 9.18 | 77 | 569114 | 19.896 | ng/ul | 96 |
| 21) Isophorone | 9.70 | 82 | 1115567 | 19.370 | ng/ul | 98 |
| 23) 2-Nitrophenol | 9.89 | 139 | 247892 | 18.657 | ng/ul# | 92 |
| 24) 2,4-Dimethylphenol | 9.94 | 107 | 557305 | 19.603 | ng/ul | 94 |
| 25) Bis(2-Chloroethoxy)methane | 10.19 | 93 | 721003 | 19.200 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.43 | 162 | 479666 | 19.543 | ng/ul | 98 |
| 28) Naphthalene | 10.83 | 128 | 1651314 | 19.872 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.94 | 127 | 577797 | 21.646 | ng/ul | 95 |
| 31) Hexachlorobutadiene | 11.11 | 225 | 276228 | 19.830 | ng/ul | 98 |
| 32) Caprolactam | 11.71 | 113 | 147098m | 19.039 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.05 | 107 | 516540 | 19.851 | ng/ul | 92 |
| 34) 2-Methylnaphthalene | 12.44 | 142 | 1250186 | 20.259 | ng/ul | 100 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.66 | 142 | 1205735 | 20.515 | ng/ul# | 94 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.80 | 216 | 578614 | 19.146 | ng/ul# | 95 |
| 38) Hexachlorocyclopentadiene | 12.78 | 237 | 271487 | 16.027 | ng/ul | 98 |
| 39) 2,4,6-Trichlorophenol | 13.04 | 196 | 379875 | 18.462 | ng/ul | 96 |
| 40) 2,4,5-Trichlorophenol | 13.11 | 196 | 401085 | 19.225 | ng/ul | 98 |
| 41) 1,1'-Biphenyl | 13.44 | 154 | 1643369 | 19.384 | ng/ul# | 94 |
| 42) 2-Chloronaphthalene | 13.49 | 162 | 1225757 | 19.216 | ng/ul | 98 |
| 43) 2-Nitroaniline | 13.69 | 65 | 387262 | 19.546 | ng/ul# | 80 |
| 45) Dimethylphthalate | 14.06 | 163 | 1608034 | 19.500 | ng/ul# | 97 |
| 46) 2,6-Dinitrotoluene | 14.18 | 165 | 284491 | 19.534 | ng/ul | 93 |
| 48) Acenaphthylene | 14.33 | 152 | 2109749 | 20.123 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.51 | 138 | 329983 | 18.375 | ng/ul | 100 |
| 50) Acenaphthene | 14.67 | 153 | 1418641 | 20.026 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.71 | 184 | 140532 | 15.618 | ng/ul# | 72 |
| 53) 4-Nitrophenol | 14.80 | 109 | 200267 | 19.251 | ng/ul# | 53 |
| 54) Dibenzofuran | 15.00 | 168 | 1994743 | 20.131 | ng/ul | 97 |
| 55) 2,4-Dinitrotoluene | 14.96 | 165 | 425466 | 19.873 | ng/ul# | 74 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.23 | 232 | 372247 | 19.577 | ng/ul# | 80 |
| 57) Diethylphthalate | 15.42 | 149 | 1722744 | 20.075 | ng/ul | 96 |
| 59) Fluorene | 15.65 | 166 | 1718457 | 20.693 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.64 | 204 | 786020 | 20.201 | ng/ul# | 89 |
| 61) 4-Nitroaniline | 15.67 | 138 | 371755 | 19.326 | ng/ul# | 85 |
| 64) 4,6-Dinitro-2-methylphenol | 15.72 | 198 | 239196 | 17.050 | ng/ul | 93 |
| 65) N-Nitrosodiphenylamine | 15.85 | 169 | 1424719 | 19.878 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.53 | 248 | 460340 | 19.155 | ng/ul# | 91 |
| 67) Hexachlorobenzene | 16.65 | 284 | 503438 | 19.030 | ng/ul# | 87 |
| 68) Atrazine | 16.80 | 200 | 470239 | 18.936 | ng/ul | 98 |
| 69) Pentachlorophenol | 16.99 | 266 | 289811 | 17.061 | ng/ul | 99 |
| 70) Phenanthrene | 17.39 | 178 | 2700901 | 20.593 | ng/ul | 100 |
| 72) Anthracene | 17.48 | 178 | 2851549 | 21.189 | ng/ul | 98 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.41 | 216 | 582839 | 18.589 | ng/uL | 96 |
| 74) Pentachlorobenzene | 14.92 | 250 | 601754 | 18.923 | ng/uL | 98 |
| 75) Carbazole | 17.74 | 167 | 2456707 | 21.397 | ng/ul | 98 |
| 76) Di-n-butylphthalate | 18.30 | 149 | 3193829 | 21.178 | ng/ul | 99 |
| 77) Fluoranthene | 19.39 | 202 | 3123798 | 23.157 | ng/ul# | 86 |
| 80) Pyrene | 19.76 | 202 | 3393491 | 19.661 | ng/ul# | 85 |
| 81) Butylbenzylphthalate | 20.64 | 149 | 1449631 | 18.263 | ng/ul | 95 |
| 82) 3,3'-Dichlorobenzidine | 21.42 | 252 | 1044922 | 19.449 | ng/ul# | 97 |
| 83) Benzo(a)anthracene | 21.49 | 228 | 3346534 | 20.545 | ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.40 | 149 | 2277241 | 18.681 | ng/ul# | 96 |
| 85) Chrysene | 21.54 | 228 | 2971044 | 20.120 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 22.31 | 149 | 4053582 | 20.373 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 23.16 | 252 | 3307752 | 19.612 | ng/ul# | 96 |
| 89) Benzo(k)fluoranthene | 23.21 | 252 | 3163240 | 19.528 | ng/ul# | 96 |
| 91) Benzo(a)pyrene | 23.78 | 252 | 3191383 | 20.047 | ng/ul# | 95 |
| 92) Indeno(1,2,3-cd)pyrene | 26.32 | 276 | 3658942 | 20.893 | ng/ul# | 85 |
| 93) Dibenzo(a,h)anthracene | 26.33 | 278 | 3071062 | 20.681 | ng/ul# | 93 |
| 94) Benzo(g,h,i)perylene | 27.07 | 276 | 2946808 | 20.778 | ng/ul# | 90 |

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

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

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