Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM091817\
Data File : BM011595.D
Acq On : 19 Sep 2017 07:30
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02023

Manual Integrations APPROVED
Sohil
9/19/2017 5:34:52 PM

Quant Time: Sep 19 15:18:54 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 19 03:50:18 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.97 | 152 | 438695 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.77 | 136 | 2006059 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.60 | 164 | 1207251 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.34 | 188 | 2748371 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.50 | 240 | 3058557 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.87 | 264 | 2581603 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.39 | 96 | 73114 | 7.50 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.12 | 99 | 812876 | 19.30 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.29 | 67 | 589298 | 20.76 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.50 | 132 | 628850 | 19.81 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.66 | 113 | 637193 | 19.38 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.13 | 128 | 306692 | 20.14 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.85 | 143 | 321598 | 20.32 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.39 | 165 | 644328 | 20.22 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.90 | 131 | 841682 | 23.93 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.00 | 166 | 1991555 | 19.51 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.29 | 160 | 2476097 | 20.06 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.78 | 143 | 343994 | 17.93 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.59 | 176 | 1790601 | 20.25 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.70 | 200 | 293210 | 18.33 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.44 | 188 | 2741547 | 20.26 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.72 | 212 | 3016781 | 21.06 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.72 | 264 | 2486258 | 20.21 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.43 | 88 | 81867 | 7.659 | ng/uL# | 62 |
| 4) Benzaldehyde | 7.11 | 77 | 451147 | 18.743 | ng/ul | 94 |
| 6) Phenol | 7.15 | 94 | 823902 | 19.704 | ng/ul | 97 |
| 8) Bis(2-Chloroethyl)ether | 7.39 | 93 | 654339m | 19.877 | ng/ul | |
| 10) 2-Chlorophenol | 7.53 | 128 | 613429 | 19.808 | ng/ul# | 89 |
| 11) 2-Methylphenol | 8.40 | 108 | 609309 | 19.218 | ng/ul | 96 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.50 | 45 | 1233230 | 23.113 | ng/ul# | 90 |
| 14) Acetophenone | 8.79 | 105 | 990780 | 19.711 | ng/ul# | 92 |
| 15) N-Nitroso-di-n-propylamine | 8.77 | 70 | 557385 | 20.664 | ng/ul# | 72 |
| 16) 4-Methylphenol | 8.73 | 108 | 677585 | 19.533 | ng/ul | 93 |
| 17) Hexachloroethane | 9.05 | 117 | 235918 | 19.927 | ng/ul | 82 |
| 20) Nitrobenzene | 9.17 | 77 | 764694 | 21.355 | ng/ul | 95 |
| 21) Isophorone | 9.70 | 82 | 1464781 | 20.317 | ng/ul | 98 |
| 23) 2-Nitrophenol | 9.89 | 139 | 333590 | 20.055 | ng/ul# | 90 |
| 24) 2,4-Dimethylphenol | 9.93 | 107 | 719348 | 20.212 | ng/ul | 92 |
| 25) Bis(2-Chloroethoxy)methane | 10.17 | 93 | 928413 | 19.749 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.42 | 162 | 614124 | 19.988 | ng/ul | 98 |
| 28) Naphthalene | 10.82 | 128 | 2082142 | 20.016 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.93 | 127 | 794767 | 23.785 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 11.10 | 225 | 369264 | 21.175 | ng/ul | 99 |
| 32) Caprolactam | 11.71 | 113 | 145978m | 15.093 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.04 | 107 | 661136 | 20.296 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 12.43 | 142 | 1529631 | 19.801 | ng/ul | 99 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.65 | 142 | 1467132 | 19.940 | ng/ul | 95 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.79 | 216 | 738971 | 20.635 | ng/ul# | 97 |
| 38) Hexachlorocyclopentadiene | 12.77 | 237 | 402593 | 20.057 | ng/ul | 98 |
| 39) 2,4,6-Trichlorophenol | 13.03 | 196 | 490463 | 20.116 | ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 13.10 | 196 | 494392 | 19.998 | ng/ul | 97 |
| 41) 1,1'-Biphenyl | 13.43 | 154 | 2003906 | 19.947 | ng/ul# | 95 |
| 42) 2-Chloronaphthalene | 13.48 | 162 | 1505434 | 19.916 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.68 | 65 | 503471 | 21.445 | ng/ul | 83 |
| 45) Dimethylphthalate | 14.05 | 163 | 1900604 | 19.450 | ng/ul# | 98 |
| 46) 2,6-Dinitrotoluene | 14.17 | 165 | 352666 | 20.435 | ng/ul | 93 |
| 48) Acenaphthylene | 14.32 | 152 | 2490358 | 20.046 | ng/ul | 100 |
| 49) 3-Nitroaniline | 14.50 | 138 | 386005 | 18.140 | ng/ul | 97 |
| 50) Acenaphthene | 14.66 | 153 | 1671401 | 19.911 | ng/ul | 100 |
| 51) 2,4-Dinitrophenol | 14.70 | 184 | 180518 | 16.930 | ng/ul# | 70 |
| 53) 4-Nitrophenol | 14.80 | 109 | 246701 | 20.012 | ng/ul# | 62 |
| 54) Dibenzofuran | 15.00 | 168 | 2343696 | 19.960 | ng/ul | 96 |
| 55) 2,4-Dinitrotoluene | 14.96 | 165 | 508196 | 20.032 | ng/ul# | 72 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.22 | 232 | 458221 | 20.337 | ng/ul# | 79 |
| 57) Diethylphthalate | 15.40 | 149 | 1990905 | 19.578 | ng/ul | 96 |
| 59) Fluorene | 15.64 | 166 | 1994683 | 20.270 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.63 | 204 | 952575 | 20.660 | ng/ul | 92 |
| 61) 4-Nitroaniline | 15.66 | 138 | 397076 | 17.420 | ng/ul | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 15.72 | 198 | 300290 | 18.325 | ng/ul# | 91 |
| 65) N-Nitrosodiphenylamine | 15.84 | 169 | 1639162 | 19.580 | ng/ul | 100 |
| 66) 4-Bromophenyl-phenylether | 16.53 | 248 | 569616 | 20.292 | ng/ul | 96 |
| 67) Hexachlorobenzene | 16.64 | 284 | 617238 | 19.975 | ng/ul# | 90 |
| 68) Atrazine | 16.79 | 200 | 566738 | 19.538 | ng/ul | 98 |
| 69) Pentachlorophenol | 16.99 | 266 | 365197 | 18.406 | ng/ul | 96 |
| 70) Phenanthrene | 17.38 | 178 | 3066164 | 20.015 | ng/ul | 99 |
| 72) Anthracene | 17.47 | 178 | 3221180 | 20.492 | ng/ul | 98 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.40 | 216 | 748569 | 20.440 | ng/uL | 97 |
| 74) Pentachlorobenzene | 14.92 | 250 | 748812 | 20.160 | ng/uL | 99 |
| 75) Carbazole | 17.74 | 167 | 2800299 | 20.881 | ng/ul | 98 |
| 76) Di-n-butylphthalate | 18.29 | 149 | 3682948 | 20.908 | ng/ul | 100 |
| 77) Fluoranthene | 19.39 | 202 | 3555495 | 22.565 | ng/ul# | 89 |
| 80) Pyrene | 19.75 | 202 | 3790800 | 21.243 | ng/ul# | 86 |
| 81) Butylbenzylphthalate | 20.63 | 149 | 1647726 | 20.078 | ng/ul# | 88 |
| 82) 3,3'-Dichlorobenzidine | 21.42 | 252 | 1118589 | 20.138 | ng/ul# | 97 |
| 83) Benzo(a)anthracene | 21.49 | 228 | 3506324 | 20.821 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.40 | 149 | 2543439 | 20.181 | ng/ul# | 96 |
| 85) Chrysene | 21.54 | 228 | 3153407 | 20.655 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 22.31 | 149 | 4316955 | 23.562 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 23.15 | 252 | 3172487 | 20.427 | ng/ul# | 96 |
| 89) Benzo(k)fluoranthene | 23.20 | 252 | 3174524 | 21.283 | ng/ul# | 96 |
| 91) Benzo(a)pyrene | 23.77 | 252 | 2950077 | 20.124 | ng/ul# | 96 |
| 92) Indeno(1,2,3-cd)pyrene | 26.31 | 276 | 2937263 | 18.215 | ng/ul# | 85 |
| 93) Dibenzo(a,h)anthracene | 26.31 | 278 | 2504126 | 18.314 | ng/ul# | 95 |
| 94) Benzo(g,h,i)perylene | 27.06 | 276 | 2319707 | 17.763 | ng/ul# | 90 |

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

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

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