Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122619\
Data File : BM024319.D
Acq On : 27 Dec 2019 03:46
Operator : JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02024

Manual Integrations APPROVED
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12/27/2019 3:21:24 PM

Quant Time: Dec 27 06:55:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 26 03:43:38 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.42 | 152 | 230161 | 20.00 | ng/ul | -0.01 |
| 18) Naphthalene-d8 | 10.19 | 136 | 989266 | 20.00 | ng/ul | -0.01 |
| 36) Acenaphthene-d10 | 14.08 | 164 | 587122 | 20.00 | ng/ul | -0.02 |
| 62) Phenanthrene-d10 | 16.85 | 188 | 1155901 | 20.00 | ng/ul | -0.01 |
| 78) Chrysene-d12 | 21.06 | 240 | 1081877 | 20.00 | ng/ul | -0.01 |
| 86) Perylene-d12 | 23.18 | 264 | 1269282 | 20.00 | ng/ul | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 2.99 | 96 | 44074 | 8.46 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.62 | 99 | 382610 | 17.56 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.78 | 67 | 253294 | 19.38 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4 | 6.96 | 132 | 297430 | 19.14 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8 | 8.15 | 113 | 306373 | 17.20 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5 | 8.58 | 128 | 143851 | 20.24 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4 | 9.29 | 143 | 154697 | 19.79 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3 | 9.83 | 165 | 291693 | 19.20 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4 | 10.34 | 131 | 360331 | 19.53 | ng/ul | -0.01 |
| 44) Dimethylphthalate-d6 | 13.51 | 166 | 819878 | 18.88 | ng/ul | -0.01 |
| 47) Acenaphthylene-d8 | 13.77 | 160 | 1026505 | 19.73 | ng/ul | -0.01 |
| 52) 4-Nitrophenol-d4 | 14.34 | 143 | 113892 | 14.61 | ng/ul | -0.01 |
| 58) Fluorene-d10 | 15.09 | 176 | 706148 | 18.55 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.25 | 200 | 113995 | 16.17 | ng/ul | -0.01 |
| 71) Anthracene-d10 | 16.94 | 188 | 1027796 | 19.54 | ng/ul | -0.01 |
| 79) Pyrene-d10 | 19.25 | 212 | 1054703 | 20.47 | ng/ul | -0.01 |
| 90) Benzo(a)pyrene-d12 | 23.05 | 264 | 1236892 | 19.62 | ng/ul | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.02 | 88 | 46884 | 8.124 | ng/uL | 95 |
| 4) Benzaldehyde | 6.58 | 77 | 289042 | 20.516 | ng/ul | 99 |
| 6) Phenol | 6.65 | 94 | 405024 | 17.998 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 6.87 | 93 | 323383 | 18.546 | ng/ul | 97 |
| 10) 2-Chlorophenol | 6.99 | 128 | 301128 | 18.890 | ng/ul | 99 |
| 11) 2-Methylphenol | 7.88 | 108 | 293756 | 17.557 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 7.96 | 45 | 400810 | 19.958 | ng/ul | 99 |
| 14) Acetophenone | 8.25 | 105 | 482242 | 17.950 | ng/ul | 97 |
| 15) N-Nitroso-di-n-propylamine | 8.23 | 70 | 278086 | 18.737 | ng/ul | 97 |
| 16) 4-Methylphenol | 8.21 | 108 | 321633 | 17.314 | ng/ul | 99 |
| 17) Hexachloroethane | 8.48 | 117 | 130866 | 19.889 | ng/ul | 99 |
| 20) Nitrobenzene | 8.62 | 77 | 398595 | 20.173 | ng/ul | 97 |
| 21) Isophorone | 9.14 | 82 | 722009 | 19.549 | ng/ul | 98 |
| 23) 2-Nitrophenol | 9.32 | 139 | 170126 | 19.771 | ng/ul | 90 |
| 24) 2,4-Dimethylphenol | 9.39 | 107 | 358266 | 19.301 | ng/ul | 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.63 | 93 | 443167 | 19.315 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 9.86 | 162 | 278200 | 18.707 | ng/ul | 99 |
| 28) Naphthalene | 10.23 | 128 | 1003050 | 19.349 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.37 | 127 | 358493 | 19.247 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.52 | 225 | 179080 | 19.479 | ng/ul | 98 |
| 32) Caprolactam | 11.16 | 113 | 88695m | 15.784 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.51 | 107 | 326684 | 18.307 | ng/ul | 96 |
| 34) 2-Methylnaphthalene | 11.86 | 142 | 686645 | 18.531 | ng/ul | 100 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.09 | 142 | 700138 | 18.512 | ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.25 | 216 | 326548 | 20.575 | ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.22 | 237 | 148726 | 20.797 | ng/ul | 97 |
| 39) 2,4,6-Trichlorophenol | 12.50 | 196 | 209445 | 19.954 | ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 12.59 | 196 | 216525 | 19.135 | ng/ul | 99 |
| 41) 1,1'-Biphenyl | 12.90 | 154 | 874077 | 19.945 | ng/ul | 98 |
| 42) 2-Chloronaphthalene | 12.94 | 162 | 700772 | 20.352 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.17 | 65 | 202842 | 20.093 | ng/ul | 95 |
| 45) Dimethylphthalate | 13.56 | 163 | 854168 | 18.930 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 13.68 | 165 | 168977 | 19.011 | ng/ul | 94 |
| 48) Acenaphthylene | 13.80 | 152 | 1090359 | 19.742 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.02 | 138 | 153359 | 18.180 | ng/ul | 96 |
| 50) Acenaphthene | 14.15 | 153 | 742599 | 19.555 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.25 | 184 | 84827 | 16.983 | ng/ul | 93 |
| 53) 4-Nitrophenol | 14.35 | 109 | 93336 | 15.016 | ng/ul | 96 |
| 54) Dibenzofuran | 14.49 | 168 | 997054 | 18.886 | ng/ul | 97 |
| 55) 2,4-Dinitrotoluene | 14.49 | 165 | 245479 | 18.288 | ng/ul# | 79 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.73 | 232 | 185013 | 18.086 | ng/ul# | 96 |
| 57) Diethylphthalate | 14.94 | 149 | 856583 | 18.672 | ng/ul | 99 |
| 59) Fluorene | 15.15 | 166 | 825431 | 18.514 | ng/ul | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.15 | 204 | 399805 | 18.441 | ng/ul | 96 |
| 61) 4-Nitroaniline | 15.19 | 138 | 136835 | 14.691 | ng/ul | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 15.26 | 198 | 120720 | 16.029 | ng/ul | 95 |
| 65) N-Nitrosodiphenylamine | 15.36 | 169 | 686756 | 20.434 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.04 | 248 | 248774 | 20.248 | ng/ul | 97 |
| 67) Hexachlorobenzene | 16.15 | 284 | 297694 | 19.788 | ng/ul | 98 |
| 68) Atrazine | 16.33 | 200 | 234600 | 18.778 | ng/ul | 99 |
| 69) Pentachlorophenol | 16.51 | 266 | 129172 | 16.385 | ng/ul | 100 |
| 70) Phenanthrene | 16.89 | 178 | 1262261 | 19.506 | ng/ul | 99 |
| 72) Anthracene | 16.97 | 178 | 1282863 | 19.719 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.87 | 216 | 327375 | 22.567 | ng/uL | 98 |
| 74) Pentachlorobenzene | 14.41 | 250 | 339490 | 21.248 | ng/uL | 98 |
| 75) Carbazole | 17.26 | 167 | 1072834 | 19.196 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 17.83 | 149 | 1369245 | 20.429 | ng/ul | 99 |
| 77) Fluoranthene | 18.92 | 202 | 1379690 | 19.561 | ng/ul | 99 |
| 80) Pyrene | 19.28 | 202 | 1447466 | 20.494 | ng/ul | 100 |
| 81) Butylbenzylphthalate | 20.21 | 149 | 595655 | 21.407 | ng/ul | 99 |
| 82) 3,3'-Dichlorobenzidine | 20.99 | 252 | 471211 | 19.620 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.04 | 228 | 1353541 | 19.636 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 20.99 | 149 | 885696 | 21.360 | ng/ul | 100 |
| 85) Chrysene | 21.09 | 228 | 1323217 | 19.585 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 21.84 | 149 | 1491058 | 21.742 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.56 | 252 | 1463771 | 19.274 | ng/ul | 100 |
| 89) Benzo(k)fluoranthene | 22.60 | 252 | 1487999 | 19.968 | ng/ul | 98 |
| 91) Benzo(a)pyrene | 23.09 | 252 | 1367019 | 19.897 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 25.28 | 276 | 1776983 | 21.540 | ng/ul | 99 |
| 93) Dibenzo(a,h)anthracene | 25.29 | 278 | 1490833 | 21.555 | ng/ul | 100 |
| 94) Benzo(g,h,i)perylene | 25.92 | 276 | 1490535 | 22.128 | ng/ul | 99 |

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

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

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