Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040116\
Data File : BM004847.D
Acq On : 01 Apr 2016 18:38
Operator : UM/SJ
Sample : SSTD08054
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD08054

Manual Integrations APPROVED
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4/4/2016 6:45:32 PM

Quant Time: Apr 01 19:49:58 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM040116.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 30 03:41:15 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.83 | 152 | 48462 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.62 | 136 | 236093 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.46 | 164 | 142643 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.21 | 188 | 336167 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.40 | 240 | 364349 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.70 | 264 | 403977 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.32 | 96 | 37367 | 26.61 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.00 | 99 | 347424 | 87.25 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.16 | 67 | 181892 | 80.59 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.36 | 132 | 271918 | 84.82 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.54 | 113 | 291775 | 90.90 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5 | 8.99 | 128 | 142981 | 87.08 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.70 | 143 | 161906 | 91.29 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.25 | 165 | 288226 | 82.85 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4 | 10.76 | 131 | 315679 | 75.83 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.87 | 166 | 872347 | 78.23 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.16 | 160 | 1053939 | 77.09 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.68 | 143 | 184788 | 85.73 | ng/ul | 0.02 |
| 58) Fluorene-d10 | 15.46 | 176 | 730570 | 75.17 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.59 | 200 | 172295 | 97.52 | ng/ul | 0.01 |
| 71) Anthracene-d10 | 17.32 | 188 | 1134077 | 73.28 | ng/ul | 0.01 |
| 79) Pyrene-d10 | 19.61 | 212 | 1243807 | 74.78 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.56 | 264 | 1382301 | 76.61 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.35 | 88 | 43712 | 26.68 | ng/uL | 89 |
| 4) Benzaldehyde | 6.97 | 77 | 148285 | 67.16 | ng/ul | 99 |
| 6) Phenol | 7.02 | 94 | 362227 | 86.45 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 7.26 | 93 | 266584 | 81.76 | ng/ul | 96 |
| 10) 2-Chlorophenol | 7.39 | 128 | 282644 | 83.52 | ng/ul | 95 |
| 11) 2-Methylphenol | 8.27 | 108 | 287717 | 89.35 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.36 | 45 | 327302 | 83.89 | ng/ul | 93 |
| 14) Acetophenone | 8.65 | 105 | 422269 | 84.33 | ng/ul | 98 |
| 15) N-Nitroso-di-n-propylamine | 8.65 | 70 | 214032 | 84.10 | ng/ul | 94 |
| 16) 4-Methylphenol | 8.60 | 108 | 315789 | 89.06 | ng/ul | 97 |
| 17) Hexachloroethane | 8.90 | 117 | 105676 | 78.61 | ng/ul | 97 |
| 20) Nitrobenzene | 9.03 | 77 | 327904 | 80.93 | ng/ul | 98 |
| 21) Isophorone | 9.56 | 82 | 635190 | 81.86 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.74 | 139 | 171526 | 87.30 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 9.80 | 107 | 341272 | 79.31 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 10.03 | 93 | 385262 | 76.93 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.27 | 162 | 292823 | 81.71 | ng/ul | 99 |
| 28) Naphthalene | 10.67 | 128 | 915022 | 74.33 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.78 | 127 | 334761 | 76.53 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 10.95 | 225 | 170828 | 79.88 | ng/ul | 99 |
| 32) Caprolactam | 11.57 | 113 | 110518m | 92.07 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.91 | 107 | 332226 | 81.93 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.28 | 142 | 672242 | 76.69 | ng/ul | 99 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.50 | 142 | 648282 | 76.95 | ng/ul | 97 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.65 | 216 | 346425 | 76.02 | ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.63 | 237 | 222327 | 90.08 | ng/ul | 100 |
| 39) 2,4,6-Trichlorophenol | 12.89 | 196 | 244559 | 81.27 | ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 12.97 | 196 | 267832 | 82.49 | ng/ul | 99 |
| 41) 1,1'-Biphenyl | 13.30 | 154 | 890220 | 74.74 | ng/ul | 100 |
| 42) 2-Chloronaphthalene | 13.34 | 162 | 684275 | 76.38 | ng/ul | 97 |
| 43) 2-Nitroaniline | 13.55 | 65 | 222125 | 92.09 | ng/ul | 95 |
| 45) Dimethylphthalate | 13.93 | 163 | 879416 | 77.69 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 14.05 | 165 | 195266 | 96.90 | ng/ul | 99 |
| 48) Acenaphthylene | 14.19 | 152 | 1093929 | 74.47 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.38 | 138 | 186032 | 85.45 | ng/ul | 99 |
| 50) Acenaphthene | 14.53 | 153 | 718209 | 72.63 | ng/ul | 100 |
| 51) 2,4-Dinitrophenol | 14.59 | 184 | 133643 | 116.52 | ng/ul | 96 |
| 53) 4-Nitrophenol | 14.69 | 109 | 146573 | 83.86 | ng/ul | 94 |
| 54) Dibenzofuran | 14.87 | 168 | 1046901 | 74.36 | ng/ul | 96 |
| 55) 2,4-Dinitrotoluene | 14.84 | 165 | 285341 | 93.88 | ng/ul | 97 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.09 | 232 | 233547 | 81.66 | ng/ul | 96 |
| 57) Diethylphthalate | 15.29 | 149 | 891841 | 77.33 | ng/ul | 99 |
| 59) Fluorene | 15.52 | 166 | 767068 | 68.23 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.51 | 204 | 376600 | 70.24 | ng/ul | 94 |
| 61) 4-Nitroaniline | 15.55 | 138 | 217404 | 92.81 | ng/ul | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.60 | 198 | 181135 | 94.38 | ng/ul | 97 |
| 65) N-Nitrosodiphenylamine | 15.73 | 169 | 729126 | 71.62 | ng/ul | 98 |
| 66) 4-Bromophenyl-phenylether | 16.40 | 248 | 258531 | 76.36 | ng/ul | 93 |
| 67) Hexachlorobenzene | 16.52 | 284 | 290537 | 76.44 | ng/ul | 95 |
| 68) Atrazine | 16.68 | 200 | 282340 | 78.47 | ng/ul | 98 |
| 69) Pentachlorophenol | 16.86 | 266 | 201055 | 81.57 | ng/ul | 98 |
| 70) Phenanthrene | 17.26 | 178 | 1373440 | 71.51 | ng/ul | 100 |
| 72) Anthracene | 17.35 | 178 | 1352633 | 69.93 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.26 | 216 | 349843 | 75.64 | ng/uL | 100 |
| 74) Pentachlorobenzene | 14.79 | 250 | 333900 | 74.80 | ng/uL | 99 |
| 75) Carbazole | 17.62 | 167 | 1283872 | 74.24 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 18.17 | 149 | 1512868 | 61.70 | ng/ul | 100 |
| 77) Fluoranthene | 19.27 | 202 | 1561549 | 73.62 | ng/ul | 99 |
| 80) Pyrene | 19.64 | 202 | 1582560 | 71.67 | ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.53 | 149 | 720368 | 81.57 | ng/ul | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.32 | 252 | 537967 | 95.62 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.39 | 228 | 1571445 | 73.89 | ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.30 | 149 | 930818 | 74.13 | ng/ul | 98 |
| 85) Chrysene | 21.44 | 228 | 1473745 | 72.56 | ng/ul | 100 |
| 87) Di-n-octyl phthalate | 22.20 | 149 | 1848184 | 76.54 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 23.01 | 252 | 1776771 | 73.76 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 23.06 | 252 | 1604083 | 70.03 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.61 | 252 | 1674396 | 72.53 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 26.05 | 276 | 2000410 | 77.08 | ng/ul | 98 |
| 93) Dibenzo(a,h)anthracene | 26.06 | 278 | 1641251 | 76.41 | ng/ul | 98 |
| 94) Benzo(g,h,i)perylene | 26.77 | 276 | 1761728 | 80.13 | ng/ul | 98 |

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

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