Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM082316\
Data File : BM007266.D
Acq On : 23 Aug 2016 23:30
Operator : UM/SJ
Sample : MDL-04-S-ML
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-04-S-ML

Manual Integrations APPROVED
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8/24/2016 4:15:33 PM

Quant Time: Aug 24 06:47:09 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 23 13:53:51 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.80 | 152 | 176094 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.59 | 136 | 874552 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.43 | 164 | 644418 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.17 | 188 | 1784980 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.36 | 240 | 2609832 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.63 | 264 | 2891880 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.31 | 96 | 9713 | 2.82 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.97 | 99 | 388208 | 23.34 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.13 | 67 | 231259 | 26.46 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.33 | 132 | 304566 | 24.77 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.50 | 113 | 344179 | 23.73 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.96 | 128 | 167905 | 26.15 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.67 | 143 | 197730 | 26.37 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.20 | 165 | 352822 | 23.64 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.72 | 131 | 508277 | 27.30 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.85 | 166 | 1519554 | 27.33 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.13 | 160 | 1692793 | 26.27 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.63 | 143 | 275749 | 26.27 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.43 | 176 | 1292003 | 26.87 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.54 | 200 | 275538 | 24.55 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.27 | 188 | 2219557 | 26.62 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.57 | 212 | 2829776 | 25.93 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.49 | 264 | 3533350 | 26.53 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.35 | 88 | 2180 | 0.57 | ng/uL# | 75 |
| 4) Benzaldehyde | 6.95 | 77 | 24457 | 2.58 | ng/ul | 97 |
| 6) Phenol | 6.99 | 94 | 35424 | 2.05 | ng/ul# | 88 |
| 8) Bis(2-Chloroethyl)ether | 7.23 | 93 | 28292 | 2.35 | ng/ul | 96 |
| 10) 2-Chlorophenol | 7.37 | 128 | 26889 | 2.14 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.24 | 108 | 25165 | 1.87 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.34 | 45 | 30361 | 2.24 | ng/ul# | 92 |
| 14) Acetophenone | 8.62 | 105 | 49669 | 2.23 | ng/ul | 98 |
| 15) N-Nitroso-di-n-propylamine | 8.60 | 70 | 25902 | 2.19 | ng/ul# | 93 |
| 16) 4-Methylphenol | 8.56 | 108 | 30454 | 2.01 | ng/ul | 98 |
| 17) Hexachloroethane | 8.87 | 117 | 10990 | 2.24 | ng/ul | 92 |
| 20) Nitrobenzene | 9.00 | 77 | 38201 | 2.32 | ng/ul | 98 |
| 21) Isophorone | 9.52 | 82 | 72316 | 2.15 | ng/ul | 97 |
| 23) 2-Nitrophenol | 9.71 | 139 | 18210 | 2.23 | ng/ul | 91 |
| 24) 2,4-Dimethylphenol | 9.76 | 107 | 37368 | 2.08 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.00 | 93 | 40280 | 2.13 | ng/ul | 100 |
| 27) 2,4-Dichlorophenol | 10.23 | 162 | 30471 | 2.06 | ng/ul# | 88 |
| 28) Naphthalene | 10.64 | 128 | 96900 | 2.23 | ng/ul | 97 |
| 30) 4-Chloroaniline | 10.75 | 127 | 42432 | 2.21 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.92 | 225 | 22313 | 2.23 | ng/ul | 96 |
| 32) Caprolactam | 11.53 | 113 | 12235m | 2.05 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.87 | 107 | 36102 | 1.97 | ng/ul | 94 |
| 34) 2-Methylnaphthalene | 12.25 | 142 | 78512 | 2.21 | ng/ul | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.62 | 216 | 45629 | 2.13 | ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 12.59 | 237 | 22773 | 1.76 | ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 12.86 | 196 | 29794 | 1.96 | ng/ul | 95 |
| 39) 2,4,5-Trichlorophenol | 12.93 | 196 | 32836m | 2.08 | ng/ul | |
| 40) 1,1'-Biphenyl | 13.26 | 154 | 112478 | 2.25 | ng/ul | 96 |
| 41) 2-Chloronaphthalene | 13.30 | 162 | 85620 | 2.19 | ng/ul | 99 |
| 42) 2-Nitroaniline | 13.51 | 65 | 24783 | 1.94 | ng/ul | 96 |
| 44) Dimethylphthalate | 13.89 | 163 | 130322 | 2.35 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.01 | 165 | 21631 | 1.91 | ng/ul | 89 |
| 47) Acenaphthylene | 14.16 | 152 | 148135 | 2.23 | ng/ul | 97 |
| 48) 3-Nitroaniline | 14.34 | 138 | 22453 | 1.94 | ng/ul# | 91 |
| 49) Acenaphthene | 14.50 | 153 | 95345 | 2.21 | ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.55 | 184 | 9824 | 1.28 | ng/ul | 92 |
| 52) 4-Nitrophenol | 14.65 | 109 | 25796 | 2.31 | ng/ul | 91 |
| 53) Dibenzofuran | 14.83 | 168 | 145664 | 2.26 | ng/ul | 97 |
| 54) 2,4-Dinitrotoluene | 14.80 | 165 | 37402 | 2.16 | ng/ul | 99 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.06 | 232 | 33117 | 2.04 | ng/ul# | 98 |
| 56) Diethylphthalate | 15.26 | 149 | 133808 | 2.32 | ng/ul | 99 |
| 58) Fluorene | 15.48 | 166 | 123834 | 2.33 | ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.47 | 204 | 66731 | 2.40 | ng/ul | 97 |
| 60) 4-Nitroaniline | 15.50 | 138 | 28881 | 2.20 | ng/ul | 93 |
| 63) 4,6-Dinitro-2-methylphenol | 15.56 | 198 | 26562 | 2.22 | ng/ul# | 51 |
| 64) N-Nitrosodiphenylamine | 15.69 | 169 | 109762 | 2.20 | ng/ul | 97 |
| 65) 4-Bromophenyl-phenylether | 16.37 | 248 | 43535 | 2.16 | ng/ul | 99 |
| 66) Hexachlorobenzene | 16.48 | 284 | 50380 | 2.23 | ng/ul | 95 |
| 67) Atrazine | 16.64 | 200 | 44873 | 2.13 | ng/ul | 96 |
| 68) Pentachlorophenol | 16.83 | 266 | 23628 | 1.62 | ng/ul | 93 |
| 69) Phenanthrene | 17.22 | 178 | 216367 | 2.26 | ng/ul | 99 |
| 71) Anthracene | 17.31 | 178 | 224355 | 2.27 | ng/ul | 98 |
| 72) Carbazole | 17.58 | 167 | 196639 | 2.29 | ng/ul | 97 |
| 73) Di-n-butylphthalate | 18.14 | 149 | 227301 | 2.10 | ng/ul | 98 |
| 74) Fluoranthene | 19.23 | 202 | 290588 | 2.42 | ng/ul | 97 |
| 77) Pyrene | 19.59 | 202 | 319918 | 2.28 | ng/ul | 97 |
| 78) Butylbenzylphthalate | 20.49 | 149 | 109012 | 1.87 | ng/ul | 98 |
| 79) 3,3'-Dichlorobenzidine | 21.27 | 252 | 115054 | 2.22 | ng/ul | 99 |
| 80) Benzo(a)anthracene | 21.34 | 228 | 358673 | 2.33 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 169150 | 2.00 | ng/ul | 99 |
| 82) Chrysene | 21.39 | 228 | 326639 | 2.34 | ng/ul | 98 |
| 84) Di-n-octyl phthalate | 22.16 | 149 | 297659 | 2.07 | ng/ul | 99 |
| 85) Benzo(b)fluoranthene | 22.94 | 252 | 388566 | 2.27 | ng/ul | 100 |
| 86) Benzo(k)fluoranthene | 22.99 | 252 | 376732 | 2.38 | ng/ul | 99 |
| 88) Benzo(a)pyrene | 23.53 | 252 | 389954 | 2.38 | ng/ul | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 25.91 | 276 | 467034 | 2.33 | ng/ul | 98 |
| 90) Dibenzo(a,h)anthracene | 25.93 | 278 | 390528 | 2.34 | ng/ul | 97 |
| 91) Benzo(g,h,i)perylene | 26.61 | 276 | 387132 | 2.27 | ng/ul | 97 |

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

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