Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081915\
Data File : BM002507.D
Acq On : 20 Aug 2015 00:57
Operator : UM/IZ
Sample : MDL-07-S
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
MDL-07-S

**Manual Integrations APPROVED**
MMDadoda
8/20/2015 3:37:04 PM

Quant Time: Aug 20 04:22:03 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 20 03:46:55 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.82 | 152 | 109620 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.69 | 136 | 535327 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 15.41 | 164 | 308440 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 18.12 | 188 | 678473 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 22.20 | 240 | 741166 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.86 | 264 | 761204 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.85 | 96 | 14457 | 6.09 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.93 | 99 | 315816 | 31.85 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 8.11 | 67 | 179853 | 30.72 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 8.33 | 132 | 281527 | 34.36 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.52 | 113 | 282838 | 33.30 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 10.02 | 128 | 150269 | 37.44 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.75 | 143 | 163534 | 46.07 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 11.29 | 165 | 268553 | 34.48 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.81 | 131 | 422535 | 40.89 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.79 | 166 | 903153 | 35.57 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 15.12 | 160 | 1130178 | 35.37 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 15.57 | 143 | 171139 | 37.34 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 16.38 | 176 | 761703 | 34.28 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 16.49 | 200 | 128061 | 48.03 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 18.22 | 188 | 1181504 | 35.89 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 20.44 | 212 | 1248389 | 34.73 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.69 | 264 | 1465693 | 36.26 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.90 | 88 | 1311 | 0.49 | ng/uL# | 56 |
| 4) Benzaldehyde | 7.93 | 77 | 17239 | 2.95 | ng/ul | 92 |
| 6) Phenol | 7.96 | 94 | 26030 | 2.56 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 8.20 | 93 | 22360 | 2.86 | ng/ul | 96 |
| 10) 2-Chlorophenol | 8.37 | 128 | 23166 | 2.77 | ng/ul | 93 |
| 11) 2-Methylphenol | 9.25 | 108 | 21068 | 2.62 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 9.35 | 45 | 30433 | 2.18 | ng/ul | 96 |
| 14) Acetophenone | 9.66 | 105 | 36132 | 2.86 | ng/ul | 97 |
| 15) N-Nitroso-di-n-propylamine | 9.63 | 70 | 17701 | 2.61 | ng/ul# | 92 |
| 16) 4-Methylphenol | 9.58 | 108 | 23481 | 2.67 | ng/ul | 99 |
| 17) Hexachloroethane | 9.93 | 117 | 8370 | 2.54 | ng/ul | 87 |
| 20) Nitrobenzene | 10.06 | 77 | 24382 | 2.62 | ng/ul | 89 |
| 21) Isophorone | 10.57 | 82 | 50289 | 2.71 | ng/ul | 100 |
| 23) 2-Nitrophenol | 10.78 | 139 | 14195 | 3.51 | ng/ul | 92 |
| 24) 2,4-Dimethylphenol | 10.81 | 107 | 25581 | 2.58 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 11.05 | 93 | 30636 | 2.66 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 11.32 | 162 | 22230 | 2.97 | ng/ul# | 84 |
| 28) Naphthalene | 11.74 | 128 | 81291 | 2.88 | ng/ul | 99 |
| 30) 4-Chloroaniline | 11.83 | 127 | 36039 | 3.51 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 11.99 | 225 | 12182 | 2.82 | ng/ul | 97 |
| 32) Caprolactam | 12.59 | 113 | 8306m | 2.69 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.89 | 107 | 25390 | 2.71 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 13.29 | 142 | 59486 | 2.95 | ng/ul | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 37) 1,2,4,5-Tetrachlorobenzene | 13.64 | 216 | 26002 | 2.94 ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 13.60 | 237 | 5500 | 1.05 ng/ul | 97 |
| 39) 2,4,6-Trichlorophenol | 13.86 | 196 | 16209 | 2.94 ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 13.94 | 196 | 18218 | 2.94 ng/ul | 97 |
| 41) 1,1'-Biphenyl | 14.25 | 154 | 76781 | 2.94 ng/ul | 98 |
| 42) 2-Chloronaphthalene | 14.31 | 162 | 56995 | 2.88 ng/ul | 97 |
| 43) 2-Nitroaniline | 14.50 | 65 | 14797 | 2.46 ng/ul# | 84 |
| 45) Dimethylphthalate | 14.83 | 163 | 76899 | 2.97 ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 14.97 | 165 | 14426 | 2.97 ng/ul | 89 |
| 48) Acenaphthylene | 15.14 | 152 | 99339 | 2.99 ng/ul | 99 |
| 49) 3-Nitroaniline | 15.30 | 138 | 18095 | 3.45 ng/ul# | 91 |
| 50) Acenaphthene | 15.47 | 153 | 64512 | 2.89 ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 15.52 | 184 | 3008 | 1.80 ng/ul# | 1 |
| 53) 4-Nitrophenol | 15.58 | 109 | 8807 | 2.62 ng/ul | 89 |
| 54) Dibenzofuran | 15.80 | 168 | 90138 | 3.03 ng/ul | 95 |
| 55) 2,4-Dinitrotoluene | 15.74 | 165 | 22285 | 3.24 ng/ul# | 85 |
| 56) 2,3,4,6-Tetrachlorophenol | 16.01 | 232 | 12644 | 2.68 ng/ul# | 95 |
| 57) Diethylphthalate | 16.16 | 149 | 79119 | 2.86 ng/ul | 99 |
| 59) Fluorene | 16.43 | 166 | 75293 | 3.00 ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 16.40 | 204 | 34398 | 2.99 ng/ul | 95 |
| 61) 4-Nitroaniline | 16.44 | 138 | 19421 | 3.20 ng/ul | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 16.50 | 198 | 10738 | 3.59 ng/ul# | 80 |
| 65) N-Nitrosodiphenylamine | 16.62 | 169 | 65092 | 2.93 ng/ul | 98 |
| 66) 4-Bromophenyl-phenylether | 17.29 | 248 | 19755 | 2.79 ng/ul | 98 |
| 67) Hexachlorobenzene | 17.42 | 284 | 23126 | 2.86 ng/ul | 98 |
| 68) Atrazine | 17.52 | 200 | 22760 | 2.94 ng/ul | 98 |
| 69) Pentachlorophenol | 17.76 | 266 | 4947 | 1.25 ng/ul | 99 |
| 70) Phenanthrene | 18.16 | 178 | 121073 | 3.10 ng/ul | 100 |
| 72) Anthracene | 18.25 | 178 | 122032 | 3.03 ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 14.23 | 216 | 24606 | 2.67 ng/uL | 98 |
| 74) Pentachlorobenzene | 15.72 | 250 | 25359 | 2.84 ng/uL | 97 |
| 75) Carbazole | 18.50 | 167 | 111571 | 3.06 ng/ul | 100 |
| 76) Di-n-butylphthalate | 18.99 | 149 | 138028 | 2.82 ng/ul | 99 |
| 77) Fluoranthene | 20.11 | 202 | 135436 | 3.28 ng/ul | 97 |
| 80) Pyrene | 20.46 | 202 | 144999 | 3.03 ng/ul | 99 |
| 81) Butylbenzylphthalate | 21.27 | 149 | 66233 | 2.80 ng/ul | 92 |
| 82) 3,3'-Dichlorobenzidine | 22.09 | 252 | 52269 | 3.67 ng/ul | 97 |
| 83) Benzo(a)anthracene | 22.18 | 228 | 139735 | 3.09 ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 22.02 | 149 | 98932 | 2.89 ng/ul | 100 |
| 85) Chrysene | 22.24 | 228 | 130229 | 3.04 ng/ul | 99 |
| 87) Di-n-octyl phthalate | 23.01 | 149 | 169116 | 2.91 ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 24.03 | 252 | 143405 | 3.03 ng/ul | 98 |
| 89) Benzo(k)fluoranthene | 24.08 | 252 | 135642 | 2.99 ng/ul | 98 |
| 91) Benzo(a)pyrene | 24.74 | 252 | 142109 | 3.14 ng/ul | 98 |
| 92) Indeno(1,2,3-cd)pyrene | 27.64 | 276 | 159541 | 3.07 ng/ul | 98 |
| 93) Dibenzo(a,h)anthracene | 27.64 | 278 | 135473 | 3.08 ng/ul | 98 |
| 94) Benzo(g,h,i)perylene | 28.51 | 276 | 132883 | 3.04 ng/ul | 99 |

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

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