Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010215\
Data File : BM000106.D
Acq On : 02 Jan 2015 12:38
Operator : TP/IZ
Sample : MDL-04-S-ML
Misc : MDL-04-SOIL-4PPM-ML
ALS Vial : 15 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
TEJASKUMAR
1/6/2015 1:38:42 PM

Quant Time: Jan 03 05:41:29 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.84 | 152 | 297565 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.63 | 136 | 1334403 | 20.00 | ng/ul | -0.01 |
| 35) Acenaphthene-d10 | 14.47 | 164 | 956218 | 20.00 | ng/ul | -0.01 |
| 61) Phenanthrene-d10 | 17.21 | 188 | 1936830 | 20.00 | ng/ul | -0.01 |
| 75) Chrysene-d12 | 21.40 | 240 | 1737908 | 20.00 | ng/ul | -0.01 |
| 83) Perylene-d12 | 23.69 | 264 | 1333091 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.32 | 96 | 31526 | 6.14 | ng/uL | -0.01 |
| 5) Phenol-d5 | 7.00 | 99 | 930872 | 36.11 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.17 | 67 | 584903 | 37.12 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4 | 7.37 | 132 | 674966 | 36.77 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.54 | 113 | 735475 | 36.12 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.00 | 128 | 354132 | 38.38 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.72 | 143 | 399786m | 42.50 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.24 | 165 | 714118m | 34.18 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4 | 10.77 | 131 | 972501 | 41.20 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.89 | 166 | 2636892 | 37.39 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.16 | 160 | 2954253 | 34.97 | ng/ul | -0.01 |
| 51) 4-Nitrophenol-d4 | 14.67 | 143 | 380332 | 33.38 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.47 | 176 | 2106919 | 34.79 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 266292 | 27.72 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.32 | 188 | 3202958 | 35.76 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.61 | 212 | 3286059 | 40.99 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.56 | 264 | 2296322 | 38.17 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.35 | 88 | 21829 | 3.07 | ng/uL | 91 |
| 4) Benzaldehyde | 6.98 | 77 | 64010 | 3.99 | ng/ul | 98 |
| 6) Phenol | 7.02 | 94 | 86636 | 3.23 | ng/ul | 88 |
| 8) Bis(2-Chloroethyl)ether | 7.26 | 93 | 71634 | 3.49 | ng/ul | 97 |
| 10) 2-Chlorophenol | 7.40 | 128 | 60284 | 3.14 | ng/ul | 94 |
| 11) 2-Methylphenol | 8.28 | 108 | 63489 | 3.07 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.37 | 45 | 114212 | 3.46 | ng/ul# | 95 |
| 14) Acetophenone | 8.65 | 105 | 110363 | 3.18 | ng/ul | 96 |
| 15) N-Nitroso-di-n-propylamine | 8.64 | 70 | 61443 | 3.38 | ng/ul | 96 |
| 16) 4-Methylphenol | 8.60 | 108 | 71496 | 3.19 | ng/ul | 95 |
| 17) Hexachloroethane | 8.92 | 117 | 25026 | 2.85 | ng/ul | 99 |
| 20) Nitrobenzene | 9.03 | 77 | 95870 | 3.48 | ng/ul | 94 |
| 21) Isophorone | 9.56 | 82 | 165630 | 3.12 | ng/ul | 98 |
| 23) 2-Nitrophenol | 9.74 | 139 | 35762 | 3.44 | ng/ul | 86 |
| 24) 2,4-Dimethylphenol | 9.80 | 107 | 89047 | 3.15 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 10.04 | 93 | 93617 | 3.17 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.28 | 162 | 65089 | 3.13 | ng/ul | 90 |
| 28) Naphthalene | 10.68 | 128 | 214983 | 3.16 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.79 | 127 | 82301 | 3.37 | ng/ul | 94 |
| 31) Hexachlorobutadiene | 10.96 | 225 | 48941 | 3.32 | ng/ul | 89 |
| 32) Caprolactam | 11.58 | 113 | 19807m | 2.86 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.90 | 107 | 76085 | 2.99 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.29 | 142 | 158703 | 3.15 | ng/ul | 99 |

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Misc : MDL-04-SOIL-4PPM-ML
ALS Vial : 15 Sample Multiplier: 1

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

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1/6/2015 1:38:42 PM

Quant Time: Jan 03 05:41:29 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.65 | 216 | 84911 | 3.20 ng/ul# | 95 |
| 37) Hexachlorocyclopentadiene | 12.64 | 237 | 36392 | 2.08 ng/ul | 96 |
| 38) 2,4,6-Trichlorophenol | 12.89 | 196 | 48501 | 2.87 ng/ul | 97 |
| 39) 2,4,5-Trichlorophenol | 12.96 | 196 | 53812 | 2.93 ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.30 | 154 | 217009 | 3.15 ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.34 | 162 | 166554 | 3.15 ng/ul | 99 |
| 42) 2-Nitroaniline | 13.55 | 65 | 51277 | 3.00 ng/ul | 96 |
| 44) Dimethylphthalate | 13.92 | 163 | 237776 | 3.38 ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.05 | 165 | 40317 | 3.21 ng/ul | 93 |
| 47) Acenaphthylene | 14.20 | 152 | 269503 | 3.03 ng/ul | 99 |
| 48) 3-Nitroaniline | 14.37 | 138 | 42195 | 3.28 ng/ul | 97 |
| 49) Acenaphthene | 14.54 | 153 | 179418 | 3.16 ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.57 | 184 | 9281 | 1.45 ng/ul | 90 |
| 52) 4-Nitrophenol | 14.68 | 109 | 47575 | 3.14 ng/ul | 97 |
| 53) Dibenzofuran | 14.87 | 168 | 253309 | 3.08 ng/ul | 97 |
| 54) 2,4-Dinitrotoluene | 14.83 | 165 | 61123 | 3.26 ng/ul# | 84 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.09 | 232 | 44910 | 2.83 ng/ul | 98 |
| 56) Diethylphthalate | 15.29 | 149 | 239821 | 3.25 ng/ul | 99 |
| 58) Fluorene | 15.52 | 166 | 210553 | 3.09 ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.51 | 204 | 107343 | 3.19 ng/ul | 97 |
| 60) 4-Nitroaniline | 15.53 | 138 | 43699 | 3.01 ng/ul | 98 |
| 63) 4,6-Dinitro-2-methylphenol | 15.59 | 198 | 24628 | 2.51 ng/ul# | 65 |
| 64) N-Nitrosodiphenylamine | 15.73 | 169 | 180428 | 3.21 ng/ul | 98 |
| 65) 4-Bromophenyl-phenylether | 16.40 | 248 | 61381 | 3.11 ng/ul# | 82 |
| 66) Hexachlorobenzene | 16.52 | 284 | 73331 | 3.22 ng/ul | 98 |
| 67) Atrazine | 16.68 | 200 | 69541 | 3.14 ng/ul | 99 |
| 68) Pentachlorophenol | 16.86 | 266 | 27999m | 2.02 ng/ul | |
| 69) Phenanthrene | 17.26 | 178 | 343487m | 3.28 ng/ul | |
| 71) Anthracene | 17.35 | 178 | 334678 | 3.10 ng/ul | 98 |
| 72) Carbazole | 17.61 | 167 | 309643 | 3.19 ng/ul | 98 |
| 73) Di-n-butylphthalate | 18.17 | 149 | 382884 | 3.31 ng/ul | 98 |
| 74) Fluoranthene | 19.27 | 202 | 385340 | 3.21 ng/ul | 99 |
| 77) Pyrene | 19.64 | 202 | 383865 | 3.66 ng/ul | 100 |
| 78) Butylbenzylphthalate | 20.54 | 149 | 154157 | 3.62 ng/ul | 97 |
| 79) 3,3'-Dichlorobenzidine | 21.32 | 252 | 89142 | 2.81 ng/ul | 97 |
| 80) Benzo(a)anthracene | 21.39 | 228 | 328623 | 3.28 ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 210959 | 3.41 ng/ul# | 95 |
| 82) Chrysene | 21.43 | 228 | 295380 | 3.19 ng/ul | 98 |
| 84) Di-n-octyl phthalate | 22.21 | 149 | 308154 | 3.36 ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 23.00 | 252 | 272493 | 3.20 ng/ul# | 98 |
| 86) Benzo(k)fluoranthene | 23.04 | 252 | 255793 | 3.52 ng/ul | 99 |
| 88) Benzo(a)pyrene | 23.59 | 252 | 257512 | 3.45 ng/ul | 99 |
| 89) Indeno(1,2,3-cd)pyrene | 26.03 | 276 | 259666 | 3.33 ng/ul | 97 |
| 90) Dibenzo(a,h)anthracene | 26.04 | 278 | 221413 | 3.37 ng/ul | 97 |
| 91) Benzo(g,h,i)perylene | 26.73 | 276 | 211898 | 3.31 ng/ul | 99 |

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

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