Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122914\
Data File : BM000077.D
Acq On : 30 Dec 2014 02:50
Operator : TP
Sample : MDL-04-S
Misc : MDL-SOIL-8PPM
ALS Vial : 29 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
TEJASKUMAR
1/7/2015 9:21:46 AM

Quant Time: Dec 31 07:20:48 2014
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 | 244637 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.64 | 136 | 1042495 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.48 | 164 | 745077 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.21 | 188 | 1500472 | 20.00 | ng/ul | -0.01 |
| 75) Chrysene-d12 | 21.41 | 240 | 1420973 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.71 | 264 | 1106929 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.32 | 96 | 25225 | 5.98 | ng/uL | -0.01 |
| 5) Phenol-d5 | 7.01 | 99 | 751542 | 35.46 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.18 | 67 | 443697 | 34.25 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.37 | 132 | 530638 | 35.16 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.54 | 113 | 583158 | 34.83 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.00 | 128 | 267129 | 37.05 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.72 | 143 | 289789 | 39.43 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.25 | 165 | 569646 | 34.90 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.77 | 131 | 707284 | 38.35 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.89 | 166 | 1906720 | 34.70 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.17 | 160 | 2252923 | 34.22 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.67 | 143 | 290008 | 32.67 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.47 | 176 | 1602119 | 33.95 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 135493 | 18.21 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.32 | 188 | 2432383 | 35.06 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.61 | 212 | 2515648 | 38.38 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.56 | 264 | 1854118 | 37.12 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.36 | 88 | 33055 | 5.65 | ng/uL | 90 |
| 4) Benzaldehyde | 6.98 | 77 | 94260 | 7.14 | ng/ul | 98 |
| 6) Phenol | 7.03 | 94 | 140346 | 6.36 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 7.27 | 93 | 106561 | 6.32 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.41 | 128 | 101661 | 6.44 | ng/ul | 99 |
| 11) 2-Methylphenol | 8.28 | 108 | 107541 | 6.32 | ng/ul | 94 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.38 | 45 | 176805 | 6.51 | ng/ul | 100 |
| 14) Acetophenone | 8.66 | 105 | 174357 | 6.10 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.65 | 70 | 95955 | 6.41 | ng/ul | 98 |
| 16) 4-Methylphenol | 8.61 | 108 | 115377 | 6.27 | ng/ul | 99 |
| 17) Hexachloroethane | 8.92 | 117 | 44388 | 6.15 | ng/ul# | 78 |
| 20) Nitrobenzene | 9.04 | 77 | 144617 | 6.73 | ng/ul | 98 |
| 21) Isophorone | 9.57 | 82 | 254779 | 6.15 | ng/ul | 97 |
| 23) 2-Nitrophenol | 9.75 | 139 | 55908 | 6.88 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 9.81 | 107 | 144056 | 6.53 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 10.05 | 93 | 143767 | 6.23 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.28 | 162 | 106598 | 6.57 | ng/ul | 93 |
| 28) Naphthalene | 10.69 | 128 | 338420 | 6.37 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.79 | 127 | 116449 | 6.10 | ng/ul | 96 |
| 31) Hexachlorobutadiene | 10.97 | 225 | 75811 | 6.59 | ng/ul | 95 |
| 32) Caprolactam | 11.59 | 113 | 32283m | 5.97 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.91 | 107 | 126177 | 6.34 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.30 | 142 | 251984 | 6.39 | ng/ul | 99 |

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Quant Title : SVOA CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.66 | 216 | 133840 | 6.48 | ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 12.65 | 237 | 73073 | 5.35 | ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 12.90 | 196 | 81222 | 6.16 | ng/ul | 92 |
| 39) 2,4,5-Trichlorophenol | 12.97 | 196 | 85440 | 5.97 | ng/ul | 96 |
| 40) 1,1'-Biphenyl | 13.30 | 154 | 337731 | 6.29 | ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.35 | 162 | 267515 | 6.50 | ng/ul | 98 |
| 42) 2-Nitroaniline | 13.56 | 65 | 80649 | 6.05 | ng/ul | 94 |
| 44) Dimethylphthalate | 13.93 | 163 | 353177 | 6.45 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.05 | 165 | 61408 | 6.27 | ng/ul | 87 |
| 47) Acenaphthylene | 14.20 | 152 | 425554 | 6.13 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.38 | 138 | 60261 | 6.01 | ng/ul | 92 |
| 49) Acenaphthene | 14.54 | 153 | 276495 | 6.25 | ng/ul | 100 |
| 50) 2,4-Dinitrophenol | 14.59 | 184 | 10995 | 2.21 | ng/ul# | 81 |
| 52) 4-Nitrophenol | 14.68 | 109 | 75297 | 6.38 | ng/ul | 95 |
| 53) Dibenzofuran | 14.87 | 168 | 405695 | 6.33 | ng/ul | 97 |
| 54) 2,4-Dinitrotoluene | 14.84 | 165 | 89029 | 6.09 | ng/ul | 89 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.10 | 232 | 76998 | 6.24 | ng/ul# | 95 |
| 56) Diethylphthalate | 15.29 | 149 | 367483 | 6.39 | ng/ul | 98 |
| 58) Fluorene | 15.52 | 166 | 334540 | 6.29 | ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.52 | 204 | 163700 | 6.24 | ng/ul | 96 |
| 60) 4-Nitroaniline | 15.53 | 138 | 70489 | 6.22 | ng/ul | 96 |
| 63) 4,6-Dinitro-2-methylphenol | 15.59 | 198 | 25724 | 3.38 | ng/ul# | 78 |
| 64) N-Nitrosodiphenylamine | 15.73 | 169 | 285059 | 6.55 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.41 | 248 | 100192 | 6.55 | ng/ul | 92 |
| 66) Hexachlorobenzene | 16.53 | 284 | 116343 | 6.60 | ng/ul | 95 |
| 67) Atrazine | 16.68 | 200 | 108448 | 6.32 | ng/ul | 96 |
| 68) Pentachlorophenol | 16.87 | 266 | 55464m | 5.17 | ng/ul | |
| 69) Phenanthrene | 17.26 | 178 | 540025m | 6.65 | ng/ul | |
| 71) Anthracene | 17.35 | 178 | 530495 | 6.35 | ng/ul | 100 |
| 72) Carbazole | 17.61 | 167 | 480395 | 6.39 | ng/ul | 97 |
| 73) Di-n-butylphthalate | 18.19 | 149 | 596139 | 6.64 | ng/ul | 98 |
| 74) Fluoranthene | 19.27 | 202 | 610496 | 6.56 | ng/ul# | 96 |
| 77) Pyrene | 19.64 | 202 | 619611 | 7.23 | ng/ul# | 95 |
| 78) Butylbenzylphthalate | 20.54 | 149 | 230666 | 6.63 | ng/ul | 91 |
| 79) 3,3'-Dichlorobenzidine | 21.32 | 252 | 153940 | 5.93 | ng/ul# | 97 |
| 80) Benzo(a)anthracene | 21.39 | 228 | 535171 | 6.52 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 325597 | 6.43 | ng/ul | 97 |
| 82) Chrysene | 21.44 | 228 | 502070 | 6.64 | ng/ul | 100 |
| 84) Di-n-octyl phthalate | 22.22 | 149 | 488675 | 6.42 | ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 23.01 | 252 | 485873 | 6.88 | ng/ul | 98 |
| 86) Benzo(k)fluoranthene | 23.05 | 252 | 399453 | 6.62 | ng/ul | 98 |
| 88) Benzo(a)pyrene | 23.60 | 252 | 409974 | 6.61 | ng/ul | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 26.04 | 276 | 420029 | 6.49 | ng/ul | 98 |
| 90) Dibenzo(a,h)anthracene | 26.05 | 278 | 360697 | 6.62 | ng/ul | 97 |
| 91) Benzo(g,h,i)perylene | 26.75 | 276 | 353121 | 6.64 | ng/ul | 97 |

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

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