Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071415\
Data File : BG017880.D
Acq On : 15 Jul 2015 5:33
Operator : TP/UM
Sample : MDL-04-W
Misc : MDL-WATER-SVOC-4PPM
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MDL-04-W

**Manual Integrations APPROVED**
apatel
7/16/2015 8:19:26 AM

Quant Time: Jul 15 08:48:28 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG071415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 15 07:22:18 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.59 | 152 | 66671 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.37 | 136 | 308192 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.24 | 164 | 174555 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.99 | 188 | 357315 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.20 | 240 | 350936 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.42 | 264 | 328240 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.12 | 96 | 9130 | 4.90 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.77 | 99 | 166508 | 28.95 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.93 | 67 | 117335 | 29.85 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.12 | 132 | 132620 | 29.70 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.29 | 113 | 128259 | 29.10 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.74 | 128 | 74396 | 30.94 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.46 | 143 | 53294 | 29.52 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.99 | 165 | 102498 | 27.67 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.51 | 131 | 198076 | 37.14 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.66 | 166 | 404820 | 33.26 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.93 | 160 | 513790 | 32.49 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.45 | 143 | 64320 | 28.01 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.24 | 176 | 379433 | 33.52 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 30027 | 17.96 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.09 | 188 | 588145 | 36.32 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.40 | 212 | 639138 | 38.67 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.28 | 264 | 553950 | 34.43 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.16 | 88 | 1492 | 0.75 | ng/uL# | 85 |
| 4) Benzaldehyde | 6.74 | 77 | 13810 | 4.10 | ng/ul | 96 |
| 6) Phenol | 6.79 | 94 | 17223 | 2.73 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 7.02 | 93 | 15481 | 3.01 | ng/ul | 93 |
| 10) 2-Chlorophenol | 7.15 | 128 | 11160 | 2.47 | ng/ul | 92 |
| 11) 2-Methylphenol | 8.03 | 108 | 10994 | 2.40 | ng/ul | 89 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.13 | 45 | 21080 | 2.82 | ng/ul# | 94 |
| 14) Acetophenone | 8.40 | 105 | 21607 | 2.95 | ng/ul | 100 |
| 15) N-Nitroso-di-n-propylamine | 8.39 | 70 | 12723 | 2.81 | ng/ul | 89 |
| 16) 4-Methylphenol | 8.36 | 108 | 12518 | 2.51 | ng/ul | 98 |
| 17) Hexachloroethane | 8.66 | 117 | 5710 | 2.65 | ng/ul | 94 |
| 20) Nitrobenzene | 8.78 | 77 | 17355 | 2.74 | ng/ul# | 88 |
| 21) Isophorone | 9.30 | 82 | 31649 | 2.67 | ng/ul# | 96 |
| 23) 2-Nitrophenol | 9.49 | 139 | 5371 | 2.50 | ng/ul | 93 |
| 24) 2,4-Dimethylphenol | 9.56 | 107 | 13058 | 2.38 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 9.80 | 93 | 17430 | 2.61 | ng/ul | 96 |
| 27) 2,4-Dichlorophenol | 10.01 | 162 | 9494 | 2.54 | ng/ul# | 80 |
| 28) Naphthalene | 10.42 | 128 | 45418 | 2.85 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.53 | 127 | 15487 | 2.80 | ng/ul | 89 |
| 31) Hexachlorobutadiene | 10.71 | 225 | 6830 | 2.90 | ng/ul# | 85 |
| 32) Caprolactam | 11.31 | 113 | 3383m | 1.24 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.67 | 107 | 10405 | 2.27 | ng/ul# | 95 |
| 34) 2-Methylnaphthalene | 12.04 | 142 | 29040 | 2.68 | ng/ul | 92 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.42 | 216 | 13094 | 2.85 | ng/ul | 90 |
| 37) Hexachlorocyclopentadiene | 12.41 | 237 | 4508 | 1.89 | ng/ul# | 96 |
| 38) 2,4,6-Trichlorophenol | 12.66 | 196 | 5850 | 2.35 | ng/ul | 94 |
| 39) 2,4,5-Trichlorophenol | 12.72 | 196 | 5779m | 2.13 | ng/ul | |
| 40) 1,1'-Biphenyl | 13.07 | 154 | 37759 | 2.79 | ng/ul | 97 |
| 41) 2-Chloronaphthalene | 13.11 | 162 | 29841 | 2.88 | ng/ul | 90 |
| 42) 2-Nitroaniline | 13.32 | 65 | 5872 | 1.93 | ng/ul# | 78 |
| 44) Dimethylphthalate | 13.71 | 163 | 40083 | 3.14 | ng/ul | 96 |
| 45) 2,6-Dinitrotoluene | 13.82 | 165 | 4911 | 2.11 | ng/ul# | 84 |
| 47) Acenaphthylene | 13.96 | 152 | 53175 | 3.04 | ng/ul | 97 |
| 48) 3-Nitroaniline | 14.15 | 138 | 5721 | 2.15 | ng/ul | 90 |
| 49) Acenaphthene | 14.31 | 153 | 33125 | 2.82 | ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.36 | 184 | 663 | 0.68 | ng/ul# | 42 |
| 52) 4-Nitrophenol | 14.46 | 109 | 4665 | 2.40 | ng/ul | 81 |
| 53) Dibenzofuran | 14.64 | 168 | 45063 | 2.91 | ng/ul | 99 |
| 54) 2,4-Dinitrotoluene | 14.61 | 165 | 8255 | 2.47 | ng/ul | 100 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.87 | 232 | 4544 | 2.17 | ng/ul# | 94 |
| 56) Diethylphthalate | 15.08 | 149 | 37440 | 2.85 | ng/ul | 98 |
| 58) Fluorene | 15.30 | 166 | 39428 | 2.93 | ng/ul | 88 |
| 59) 4-Chlorophenyl-phenylether | 15.30 | 204 | 17895 | 2.86 | ng/ul | 93 |
| 60) 4-Nitroaniline | 15.32 | 138 | 7909 | 2.50 | ng/ul | 92 |
| 63) 4,6-Dinitro-2-methylphenol | 15.38 | 198 | 2788 | 1.50 | ng/ul# | 67 |
| 64) N-Nitrosodiphenylamine | 15.51 | 169 | 31195 | 2.87 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.20 | 248 | 10350 | 3.02 | ng/ul | 83 |
| 66) Hexachlorobenzene | 16.30 | 284 | 11863 | 3.19 | ng/ul | 90 |
| 67) Atrazine | 16.47 | 200 | 9769 | 2.62 | ng/ul | 95 |
| 68) Pentachlorophenol | 16.65 | 266 | 2739 | 1.49 | ng/ul# | 57 |
| 69) Phenanthrene | 17.04 | 178 | 62781 | 3.18 | ng/ul | 97 |
| 71) Anthracene | 17.13 | 178 | 65454 | 3.24 | ng/ul | 97 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.03 | 216 | 11898 | 2.62 | ng/uL | 92 |
| 73) Pentachlorobenzene | 14.57 | 250 | 13316 | 3.05 | ng/uL | 95 |
| 74) Carbazole | 17.41 | 167 | 56774 | 3.22 | ng/ul | 97 |
| 75) Di-n-butylphthalate | 17.98 | 149 | 56066 | 2.54 | ng/ul | 97 |
| 76) Fluoranthene | 19.06 | 202 | 67071 | 3.35 | ng/ul# | 97 |
| 79) Pyrene | 19.43 | 202 | 77274 | 3.58 | ng/ul# | 97 |
| 80) Butylbenzylphthalate | 20.35 | 149 | 16396 | 1.88 | ng/ul | 96 |
| 81) 3,3'-Dichlorobenzidine | 21.12 | 252 | 9091 | 1.73 | ng/ul# | 88 |
| 82) Benzo(a)anthracene | 21.18 | 228 | 64039 | 3.31 | ng/ul | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 21746 | 1.80 | ng/ul | 98 |
| 84) Chrysene | 21.24 | 228 | 63971 | 3.44 | ng/ul | 97 |
| 86) Di-n-octyl phthalate | 22.00 | 149 | 29348 | 1.53 | ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 22.75 | 252 | 54025 | 2.98 | ng/ul | 95 |
| 88) Benzo(k)fluoranthene | 22.79 | 252 | 54718 | 2.93 | ng/ul | 93 |
| 90) Benzo(a)pyrene | 23.32 | 252 | 58914 | 3.24 | ng/ul | 96 |
| 91) Indeno(1,2,3-cd)pyrene | 25.65 | 276 | 53843m | 2.77 | ng/ul | |
| 92) Dibenzo(a,h)anthracene | 25.67 | 278 | 45587 | 2.75 | ng/ul | 93 |
| 93) Benzo(g,h,i)perylene | 26.34 | 276 | 44758 | 2.75 | ng/ul | 96 |

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

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