Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072516\
Data File : BG023261.D
Acq On : 25 Jul 2016 21:20
Operator : UM/SJ
Sample : MDL-04-S-ML
Misc : MDL 4PPM
ALS Vial : 14 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
SOHIL
7/26/2016 11:41:08 AM

Quant Time: Jul 26 10:34:15 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 21 04:24:30 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.14 | 152 | 141776 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.98 | 136 | 677302 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.81 | 164 | 478219 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.57 | 188 | 1098798m | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.89 | 240 | 1164003m | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.30 | 264 | 1137221 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.50 | 96 | 10528 | 3.36 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.29 | 99 | 476295 | 32.59 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.45 | 67 | 345594 | 35.68 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.66 | 132 | 335606 | 34.18 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.85 | 113 | 372936 | 32.79 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.32 | 128 | 189144 | 34.91 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.05 | 143 | 220204 | 34.79 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.59 | 165 | 363667 | 30.57 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.11 | 131 | 511465 | 41.53 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.20 | 166 | 1346178 | 33.86 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.50 | 160 | 1567467 | 34.69 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.01 | 143 | 208709 | 29.75 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.80 | 176 | 1236517 | 34.39 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.92 | 200 | 236676m | 31.31 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.67 | 188 | 1823487 | 35.45 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.96 | 212 | 2037279 | 33.91 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.06 | 264 | 1933611 | 36.22 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.54 | 88 | 1649m | 0.49 | ng/uL | |
| 4) Benzaldehyde | 7.27 | 77 | 32999 | 3.64 | ng/ul# | 73 |
| 6) Phenol | 7.31 | 94 | 41494 | 2.73 | ng/ul# | 65 |
| 8) Bis(2-Chloroethyl)ether | 7.54 | 93 | 36972 | 3.23 | ng/ul# | 86 |
| 10) 2-Chlorophenol | 7.70 | 128 | 30941 | 3.07 | ng/ul# | 87 |
| 11) 2-Methylphenol | 8.58 | 108 | 30320 | 2.70 | ng/ul | 85 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.67 | 45 | 52220 | 3.38 | ng/ul# | 87 |
| 14) Acetophenone | 8.97 | 105 | 61102 | 3.09 | ng/ul# | 74 |
| 15) N-Nitroso-di-n-propylamine | 8.94 | 70 | 37981 | 2.91 | ng/ul# | 75 |
| 16) 4-Methylphenol | 8.91 | 108 | 36606 | 2.93 | ng/ul | 94 |
| 17) Hexachloroethane | 9.23 | 117 | 14345 | 3.00 | ng/ul | 94 |
| 20) Nitrobenzene | 9.36 | 77 | 48033 | 2.75 | ng/ul# | 97 |
| 21) Isophorone | 9.88 | 82 | 94646 | 2.84 | ng/ul# | 92 |
| 23) 2-Nitrophenol | 10.08 | 139 | 18560 | 2.75 | ng/ul# | 46 |
| 24) 2,4-Dimethylphenol | 10.13 | 107 | 41465 | 2.67 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.36 | 93 | 53057 | 2.88 | ng/ul# | 85 |
| 27) 2,4-Dichlorophenol | 10.62 | 162 | 33088 | 2.81 | ng/ul# | 83 |
| 28) Naphthalene | 11.03 | 128 | 107849 | 3.17 | ng/ul | 98 |
| 30) 4-Chloroaniline | 11.13 | 127 | 43823 | 3.44 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 11.30 | 225 | 24572 | 2.60 | ng/ul | 90 |
| 32) Caprolactam | 11.92 | 113 | 12052m | 2.47 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.26 | 107 | 38923m | 2.52 | ng/ul | |
| 34) 2-Methylnaphthalene | 12.63 | 142 | 86964 | 3.09 | ng/ul | 94 |

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Quant Time: Jul 26 10:34:15 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072016.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 49052 | 3.07 ng/ul# | 91 |
| 37) Hexachlorocyclopentadiene | 12.98 | 237 | 22869 | 2.20 ng/ul | 89 |
| 38) 2,4,6-Trichlorophenol | 13.24 | 196 | 28132m | 2.55 ng/ul | |
| 39) 2,4,5-Trichlorophenol | 13.32 | 196 | 27232 | 2.42 ng/ul | 87 |
| 40) 1,1'-Biphenyl | 13.64 | 154 | 119541 | 3.33 ng/ul# | 88 |
| 41) 2-Chloronaphthalene | 13.68 | 162 | 92731m | 3.21 ng/ul | |
| 42) 2-Nitroaniline | 13.89 | 65 | 33846 | 2.63 ng/ul# | 55 |
| 44) Dimethylphthalate | 14.25 | 163 | 125067 | 3.11 ng/ul | 100 |
| 45) 2,6-Dinitrotoluene | 14.38 | 165 | 24255 | 2.77 ng/ul# | 77 |
| 47) Acenaphthylene | 14.53 | 152 | 155871 | 3.41 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.72 | 138 | 23122 | 3.10 ng/ul# | 75 |
| 49) Acenaphthene | 14.87 | 153 | 98688 | 3.19 ng/ul | 93 |
| 50) 2,4-Dinitrophenol | 14.92 | 184 | 5498 | 1.00 ng/ul# | 79 |
| 52) 4-Nitrophenol | 15.02 | 109 | 20514 | 2.46 ng/ul# | 65 |
| 53) Dibenzofuran | 15.21 | 168 | 152492 | 3.34 ng/ul | 92 |
| 54) 2,4-Dinitrotoluene | 15.17 | 165 | 38403 | 2.88 ng/ul# | 80 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.43 | 232 | 25061 | 2.20 ng/ul | 97 |
| 56) Diethylphthalate | 15.62 | 149 | 135962 | 3.17 ng/ul | 97 |
| 58) Fluorene | 15.86 | 166 | 123978 | 3.30 ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.85 | 204 | 62091 | 3.01 ng/ul# | 94 |
| 60) 4-Nitroaniline | 15.89 | 138 | 28209 | 3.07 ng/ul# | 52 |
| 63) 4,6-Dinitro-2-methylphenol | 15.93 | 198 | 24360m | 3.05 ng/ul | |
| 64) N-Nitrosodiphenylamine | 16.06 | 169 | 107552 | 3.39 ng/ul | 86 |
| 65) 4-Bromophenyl-phenylether | 16.74 | 248 | 38060 | 3.01 ng/ul | 97 |
| 66) Hexachlorobenzene | 16.87 | 284 | 44581 | 3.44 ng/ul | 92 |
| 67) Atrazine | 17.02 | 200 | 42271m | 3.12 ng/ul | |
| 68) Pentachlorophenol | 17.22 | 266 | 15511m | 1.93 ng/ul | |
| 69) Phenanthrene | 17.61 | 178 | 204903m | 3.62 ng/ul | |
| 71) Anthracene | 17.71 | 178 | 205993 | 3.47 ng/ul | 99 |
| 72) Carbazole | 17.98 | 167 | 169923 | 3.64 ng/ul | 97 |
| 73) Di-n-butylphthalate | 18.52 | 149 | 214448m | 3.31 ng/ul | |
| 74) Fluoranthene | 19.62 | 202 | 235164m | 3.96 ng/ul | |
| 77) Pyrene | 19.99 | 202 | 259954m | 3.67 ng/ul | |
| 78) Butylbenzylphthalate | 20.86 | 149 | 87165m | 2.84 ng/ul | |
| 79) 3,3'-Dichlorobenzidine | 21.79 | 252 | 59524 | 2.56 ng/ul | 97 |
| 80) Benzo(a)anthracene | 21.87 | 228 | 237315m | 3.43 ng/ul | |
| 81) Bis(2-ethylhexyl)phthalate | 21.75 | 149 | 129343 | 3.08 ng/ul | 97 |
| 82) Chrysene | 21.94 | 228 | 216323 | 3.45 ng/ul | 98 |
| 84) Di-n-octyl phthalate | 23.03 | 149 | 213907 | 3.39 ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 24.21 | 252 | 228003 | 3.30 ng/ul# | 91 |
| 86) Benzo(k)fluoranthene | 24.28 | 252 | 204360 | 3.12 ng/ul# | 95 |
| 88) Benzo(a)pyrene | 25.14 | 252 | 218315 | 3.31 ng/ul# | 89 |
| 89) Indeno(1,2,3-cd)pyrene | 29.18 | 276 | 226277m | 3.05 ng/ul | |
| 90) Dibenzo(a,h)anthracene | 29.25 | 278 | 190935m | 3.12 ng/ul | |
| 91) Benzo(g,h,i)perylene | 30.40 | 276 | 190524m | 3.11 ng/ul | |

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

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