Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB101116\
Data File : BB058610.D
Acq On : 11 Oct 2016 18:03
Operator : UM/SJ
Sample : MDL-07-S
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
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10/11/2016 7:10:48 PM

Quant Time: Oct 11 18:48:13 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.66 | 152 | 492901 | 20.00 | ng/ul | -0.02 |
| 18) Naphthalene-d8 | 11.62 | 136 | 1864678 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 15.59 | 164 | 1127149 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 18.44 | 188 | 1863133m | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 22.81 | 240 | 1876855 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.95 | 264 | 1533624 | 20.00 | ng/ul | 0.04 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.63 | 96 | 71951 | 6.61 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.79 | 99 | 1034266 | 28.88 | ng/ul | -0.02 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.94 | 67 | 701947 | 29.26 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 8.18 | 132 | 1182176 | 31.83 | ng/ul | -0.02 |
| 13) 4-Methylphenol-d8 | 9.43 | 113 | 872085 | 29.42 | ng/ul | -0.02 |
| 19) Nitrobenzene-d5 | 9.89 | 128 | 608045 | 31.54 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.66 | 143 | 688245 | 33.17 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 11.24 | 165 | 934186 | 31.77 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.76 | 131 | 1214412 | 34.31 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.95 | 166 | 2442432 | 32.59 | ng/ul | -0.02 |
| 46) Acenaphthylene-d8 | 15.26 | 160 | 2851021 | 32.26 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.78 | 143 | 486337 | 28.26 | ng/ul | -0.02 |
| 57) Fluorene-d10 | 16.61 | 176 | 1952142 | 31.80 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.72 | 200 | 489987 | 24.77 | ng/ul | -0.02 |
| 70) Anthracene-d10 | 18.53 | 188 | 2653381 | 31.84 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 20.88 | 212 | 2965479 | 35.96 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.73 | 264 | 2315319 | 33.06 | ng/ul | 0.04 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.67 | 88 | 9419 | 0.87 | ng/uL# | 60 |
| 4) Benzaldehyde | 7.73 | 77 | 56286 | 2.44 | ng/ul | 91 |
| 6) Phenol | 7.83 | 94 | 97277 | 2.74 | ng/ul# | 69 |
| 8) Bis(2-Chloroethyl)ether | 8.04 | 93 | 81239 | 2.78 | ng/ul | 90 |
| 10) 2-Chlorophenol | 8.21 | 128 | 98181 | 2.78 | ng/ul | 97 |
| 11) 2-Methylphenol | 9.16 | 108 | 76948 | 2.70 | ng/ul | 92 |
| 12) 2,2'-oxybis(1-Chloropropan | 9.23 | 45 | 135559 | 2.63 | ng/ul# | 91 |
| 14) Acetophenone | 9.52 | 105 | 124264 | 2.86 | ng/ul# | 75 |
| 15) N-Nitroso-di-n-propylamine | 9.54 | 70 | 68971 | 2.69 | ng/ul# | 62 |
| 16) 4-Methylphenol | 9.50 | 108 | 83155 | 2.70 | ng/ul | 90 |
| 17) Hexachloroethane | 9.83 | 117 | 48579 | 2.84 | ng/ul# | 79 |
| 20) Nitrobenzene | 9.93 | 77 | 104134 | 2.88 | ng/ul# | 83 |
| 21) Isophorone | 10.49 | 82 | 191686 | 2.74 | ng/ul# | 93 |
| 23) 2-Nitrophenol | 10.68 | 139 | 62292 | 2.88 | ng/ul | 95 |
| 24) 2,4-Dimethylphenol | 10.76 | 107 | 99291 | 2.80 | ng/ul | 100 |
| 25) Bis(2-Chloroethoxy)methane | 10.99 | 93 | 92645 | 2.75 | ng/ul# | 91 |
| 27) 2,4-Dichlorophenol | 11.26 | 162 | 91343 | 3.10 | ng/ul | 88 |
| 28) Naphthalene | 11.68 | 128 | 265321 | 2.99 | ng/ul | 99 |
| 30) 4-Chloroaniline | 11.78 | 127 | 100197 | 2.99 | ng/ul | 91 |
| 31) Hexachlorobutadiene | 12.03 | 225 | 59256 | 2.95 | ng/ul | 99 |
| 32) Caprolactam | 12.58 | 113 | 25774 | 2.41 | ng/ul | 86 |
| 33) 4-Chloro-3-methylphenol | 12.95 | 107 | 80227 | 2.73 | ng/ul# | 78 |
| 34) 2-Methylnaphthalene | 13.34 | 142 | 182189 | 2.97 | ng/ul | 99 |

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Misc :
ALS Vial : 10 Sample Multiplier: 1

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Quant Time: Oct 11 18:48:13 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.72 | 216 | 102082 | 2.95 | ng/ul# | 96 |
| 37) Hexachlorocyclopentadiene | 13.72 | 237 | 38280 | 1.75 | ng/ul# | 90 |
| 38) 2,4,6-Trichlorophenol | 13.97 | 196 | 59932 | 2.85 | ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 14.03 | 196 | 61722 | 2.77 | ng/ul | 99 |
| 40) 1,1'-Biphenyl | 14.38 | 154 | 222891 | 2.95 | ng/ul# | 96 |
| 41) 2-Chloronaphthalene | 14.41 | 162 | 176014 | 2.92 | ng/ul | 96 |
| 42) 2-Nitroaniline | 14.61 | 65 | 58446 | 2.53 | ng/ul# | 77 |
| 44) Dimethylphthalate | 15.01 | 163 | 221406 | 2.95 | ng/ul# | 95 |
| 45) 2,6-Dinitrotoluene | 15.11 | 165 | 54728 | 2.89 | ng/ul | 93 |
| 47) Acenaphthylene | 15.28 | 152 | 269498 | 3.14 | ng/ul | 100 |
| 48) 3-Nitroaniline | 14.61 | 138 | 62814 | 2.54 | ng/ul# | 35 |
| 49) Acenaphthene | 15.65 | 153 | 173876 | 2.95 | ng/ul | 92 |
| 50) 2,4-Dinitrophenol | 15.67 | 184 | 17943 | 1.33 | ng/ul# | 54 |
| 52) 4-Nitrophenol | 15.78 | 109 | 30945 | 2.21 | ng/ul# | 32 |
| 53) Dibenzofuran | 15.99 | 168 | 255575 | 3.05 | ng/ul | 97 |
| 54) 2,4-Dinitrotoluene | 15.93 | 165 | 72223 | 2.73 | ng/ul# | 98 |
| 55) 2,3,4,6-Tetrachlorophenol | 16.24 | 232 | 53249 | 2.73 | ng/ul# | 93 |
| 56) Diethylphthalate | 16.42 | 149 | 237461 | 3.05 | ng/ul# | 91 |
| 58) Fluorene | 16.67 | 166 | 204341 | 3.00 | ng/ul | 92 |
| 59) 4-Chlorophenyl-phenylether | 16.65 | 204 | 103567 | 2.82 | ng/ul# | 85 |
| 60) 4-Nitroaniline | 16.65 | 138 | 33738 | 1.73 | ng/ul | 92 |
| 63) 4,6-Dinitro-2-methylphenol | 16.74 | 198 | 49376 | 2.50 | ng/ul | 95 |
| 64) N-Nitrosodiphenylamine | 16.86 | 169 | 166965 | 2.78 | ng/ul | 94 |
| 65) 4-Bromophenyl-phenylether | 17.59 | 248 | 64761m | 2.71 | ng/ul | |
| 66) Hexachlorobenzene | 17.74 | 284 | 69958 | 2.92 | ng/ul | 97 |
| 67) Atrazine | 17.86 | 200 | 59770 | 2.61 | ng/ul# | 88 |
| 68) Pentachlorophenol | 18.09 | 266 | 34189 | 2.02 | ng/ul | 94 |
| 69) Phenanthrene | 18.48 | 178 | 284031m | 3.06 | ng/ul | |
| 71) Anthracene | 18.57 | 178 | 294750 | 3.11 | ng/ul | 100 |
| 72) Carbazole | 18.84 | 167 | 241968 | 3.06 | ng/ul | 98 |
| 73) Di-n-butylphthalate | 19.42 | 149 | 454284 | 3.51 | ng/ul | 99 |
| 74) Fluoranthene | 20.54 | 202 | 315121 | 3.34 | ng/ul# | 93 |
| 77) Pyrene | 20.90 | 202 | 330897 | 3.37 | ng/ul | 98 |
| 78) Butylbenzylphthalate | 21.81 | 149 | 178669 | 2.81 | ng/ul# | 94 |
| 79) 3,3'-Dichlorobenzidine | 22.69 | 252 | 62541 | 1.89 | ng/ul# | 96 |
| 80) Benzo(a)anthracene | 22.79 | 228 | 307183 | 3.21 | ng/ul | 98 |
| 81) Bis(2-ethylhexyl)phthalate | 22.71 | 149 | 235376 | 2.79 | ng/ul# | 93 |
| 82) Chrysene | 22.87 | 228 | 281536 | 3.14 | ng/ul | 97 |
| 84) Di-n-octyl phthalate | 22.71 | 149 | 235376 | 2.95 | ng/ul# | 69 |
| 85) Benzo(b)fluoranthene | 24.96 | 252 | 263635 | 2.60 | ng/ul | 99 |
| 86) Benzo(k)fluoranthene | 25.02 | 252 | 262376 | 3.34 | ng/ul | 97 |
| 88) Benzo(a)pyrene | 25.79 | 252 | 235745 | 2.77 | ng/ul | 99 |
| 89) Indeno(1,2,3-cd)pyrene | 29.28 | 276 | 181327 | 2.43 | ng/ul# | 92 |
| 90) Dibenzo(a,h)anthracene | 29.32 | 278 | 142816 | 2.31 | ng/ul# | 92 |
| 91) Benzo(g,h,i)perylene | 30.30 | 276 | 146995 | 2.50 | ng/ul | 95 |

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

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