Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027520.D
Acq On : 17 Jun 2017 23:47
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTD02088

Quant Time: Jun 19 01:55:34 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 19 01:52:26 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.52 | 152 | 40373 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.34 | 136 | 207020 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 15.10 | 164 | 135245 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.85 | 188 | 318750 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 22.23 | 240 | 341574 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.89 | 264 | 309249 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 4.08 | 96 | 7412 | 7.34 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.65 | 99 | 90231 | 20.61 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.83 | 67 | 62476 | 20.94 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 8.05 | 132 | 64106 | 22.16 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.19 | 113 | 72111 | 21.07 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.68 | 128 | 31906 | 21.22 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.40 | 143 | 35176 | 22.02 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.94 | 165 | 65209 | 21.60 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.46 | 131 | 91282 | 23.89 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.49 | 166 | 220282 | 19.45 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.80 | 160 | 269259 | 20.65 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.28 | 143 | 40112 | 18.11 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 16.09 | 176 | 207925 | 19.57 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.20 | 200 | 37626 | 19.01 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.95 | 188 | 301269 | 20.27 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 20.22 | 212 | 328021 | 19.66 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.63 | 264 | 295815 | 21.24 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 4.11 | 88 | 8456 | 7.236 | ng/uL | 93 |
| 4) Benzaldehyde | 7.66 | 77 | 64835 | 25.328 | ng/ul | 91 |
| 6) Phenol | 7.68 | 94 | 96123 | 20.951 | ng/ul# | 88 |
| 8) Bis(2-Chloroethyl)ether | 7.92 | 93 | 67473 | 19.998 | ng/ul | 97 |
| 10) 2-Chlorophenol | 8.08 | 128 | 63112 | 21.674 | ng/ul | 95 |
| 11) 2-Methylphenol | 8.94 | 108 | 67458 | 20.339 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 9.04 | 45 | 121539 | 21.640 | ng/ul | 98 |
| 14) Acetophenone | 9.34 | 105 | 112440 | 21.254 | ng/ul# | 89 |
| 15) N-Nitroso-di-n-propylamine | 9.31 | 70 | 66828 | 22.359 | ng/ul# | 86 |
| 16) 4-Methylphenol | 9.26 | 108 | 75777 | 20.805 | ng/ul | 99 |
| 17) Hexachloroethane | 9.61 | 117 | 23749 | 21.273 | ng/ul# | 81 |
| 20) Nitrobenzene | 9.72 | 77 | 92121 | 21.749 | ng/ul# | 94 |
| 21) Isophorone | 10.24 | 82 | 178045 | 21.315 | ng/ul# | 95 |
| 23) 2-Nitrophenol | 10.43 | 139 | 37369 | 21.299 | ng/ul# | 81 |
| 24) 2,4-Dimethylphenol | 10.47 | 107 | 89665 | 21.455 | ng/ul | 95 |
| 25) Bis(2-Chloroethoxy)methane | 10.71 | 93 | 103593 | 20.160 | ng/ul | 94 |
| 27) 2,4-Dichlorophenol | 10.97 | 162 | 65385 | 21.431 | ng/ul | 98 |
| 28) Naphthalene | 11.39 | 128 | 214043 | 20.119 | ng/ul | 98 |
| 30) 4-Chloroaniline | 11.49 | 127 | 88696 | 23.523 | ng/ul | 94 |
| 31) Hexachlorobutadiene | 11.66 | 225 | 39700 | 21.154 | ng/ul | 91 |
| 32) Caprolactam | 12.23 | 113 | 26566 | 19.743 | ng/ul | 94 |
| 33) 4-Chloro-3-methylphenol | 12.57 | 107 | 88955 | 22.137 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.95 | 142 | 162267 | 20.568 | ng/ul | 98 |

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|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.31 | 216 | 84471 | 21.099 ng/ul | 95 |
| 37) Hexachlorocyclopentadiene | 13.29 | 237 | 37766 | 16.843 ng/ul | 98 |
| 38) 2,4,6-Trichlorophenol | 13.54 | 196 | 57277 | 21.620 ng/ul | 94 |
| 39) 2,4,5-Trichlorophenol | 13.61 | 196 | 59589 | 21.601 ng/ul | 96 |
| 40) 1,1'-Biphenyl | 13.94 | 154 | 212350 | 19.847 ng/ul# | 96 |
| 41) 2-Chloronaphthalene | 13.99 | 162 | 164757 | 20.418 ng/ul | 94 |
| 42) 2-Nitroaniline | 14.18 | 65 | 69065 | 22.749 ng/ul | 99 |
| 44) Dimethylphthalate | 14.53 | 163 | 218226 | 19.430 ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 14.66 | 165 | 44016 | 21.051 ng/ul# | 94 |
| 47) Acenaphthylene | 14.83 | 152 | 262310 | 20.069 ng/ul | 99 |
| 48) 3-Nitroaniline | 15.00 | 138 | 45689 | 20.136 ng/ul# | 89 |
| 49) Acenaphthene | 15.17 | 153 | 182808 | 20.054 ng/ul | 96 |
| 50) 2,4-Dinitrophenol | 15.20 | 184 | 25349 | 17.499 ng/ul | 96 |
| 52) 4-Nitrophenol | 15.29 | 109 | 35170 | 19.962 ng/ul# | 56 |
| 53) Dibenzofuran | 15.50 | 168 | 262333 | 19.744 ng/ul | 98 |
| 54) 2,4-Dinitrotoluene | 15.45 | 165 | 65009 | 20.307 ng/ul# | 90 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.72 | 232 | 56595 | 21.094 ng/ul# | 94 |
| 56) Diethylphthalate | 15.89 | 149 | 227493 | 19.166 ng/ul | 99 |
| 58) Fluorene | 16.15 | 166 | 215945 | 19.585 ng/ul | 97 |
| 59) 4-Chlorophenyl-phenylether | 16.13 | 204 | 110867 | 20.005 ng/ul | 90 |
| 60) 4-Nitroaniline | 16.16 | 138 | 49150 | 17.685 ng/ul# | 70 |
| 63) 4,6-Dinitro-2-methylphenol | 16.22 | 198 | 39516 | 18.922 ng/ul# | 98 |
| 64) N-Nitrosodiphenylamine | 16.34 | 169 | 190770 | 20.806 ng/ul | 96 |
| 65) 4-Bromophenyl-phenylether | 17.03 | 248 | 69375 | 21.488 ng/ul | 90 |
| 66) Hexachlorobenzene | 17.16 | 284 | 72706 | 21.378 ng/ul | 96 |
| 67) Atrazine | 17.28 | 200 | 70656 | 20.119 ng/ul | 98 |
| 68) Pentachlorophenol | 17.50 | 266 | 41872 | 18.552 ng/ul | 95 |
| 69) Phenanthrene | 17.90 | 178 | 339443 | 19.817 ng/ul | 99 |
| 71) Anthracene | 17.99 | 178 | 353274 | 20.283 ng/ul | 99 |
| 72) Carbazole | 18.25 | 167 | 294961 | 19.690 ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.78 | 149 | 376766 | 20.339 ng/ul# | 97 |
| 74) Fluoranthene | 19.89 | 202 | 387011 | 20.081 ng/ul# | 87 |
| 77) Pyrene | 20.25 | 202 | 395086 | 19.568 ng/ul# | 85 |
| 78) Butylbenzylphthalate | 21.13 | 149 | 169142 | 22.229 ng/ul | 95 |
| 79) 3,3'-Dichlorobenzidine | 22.10 | 252 | 137302 | 21.837 ng/ul# | 95 |
| 80) Benzo(a)anthracene | 22.21 | 228 | 392031 | 20.610 ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 22.06 | 149 | 233930 | 21.406 ng/ul | 99 |
| 82) Chrysene | 22.28 | 228 | 358351 | 20.860 ng/ul | 99 |
| 84) Di-n-octyl phthalate | 23.42 | 149 | 405948 | 20.950 ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 24.71 | 252 | 379900 | 20.626 ng/ul# | 95 |
| 86) Benzo(k)fluoranthene | 24.79 | 252 | 365035 | 20.619 ng/ul# | 95 |
| 88) Benzo(a)pyrene | 25.72 | 252 | 367830 | 20.800 ng/ul# | 96 |
| 89) Indeno(1,2,3-cd)pyrene | 30.08 | 276 | 414110 | 20.513 ng/ul# | 90 |
| 90) Dibenzo(a,h)anthracene | 30.16 | 278 | 359104 | 20.718 ng/ul# | 93 |
| 91) Benzo(g,h,i)perylene | 31.42 | 276 | 306930 | 18.570 ng/ul# | 92 |

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

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