Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072717\
Data File : BG028032.D
Acq On : 27 Jul 2017 18:29
Operator : SJ/JU
Sample : SSTD04074
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTD04074

**Manual Integrations APPROVED**
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7/28/2017 4:45:45 PM

Quant Time: Jul 27 19:30:49 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 27 19:05:09 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.37 | 152 | 34126 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.19 | 136 | 155195 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.97 | 164 | 121008 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.72 | 188 | 337185 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 22.07 | 240 | 435063 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.59 | 264 | 422245 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.85 | 96 | 8438 | 12.08 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.51 | 99 | 107171 | 36.65 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.68 | 67 | 52534 | 29.87 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.90 | 132 | 92781 | 40.45 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.06 | 113 | 94946 | 38.49 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.53 | 128 | 44722 | 36.53 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.26 | 143 | 58793 | 41.32 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.80 | 165 | 118943 | 43.91 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.32 | 131 | 128321 | 47.86 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.37 | 166 | 438971 | 41.57 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.68 | 160 | 487283 | 41.09 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 15.16 | 143 | 69080 | 48.72 | ng/ul | 0.01 |
| 58) Fluorene-d10 | 15.97 | 176 | 401376 | 42.64 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 16.08 | 200 | 97247 | 53.03 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.83 | 188 | 653834 | 39.56 | ng/ul | 0.01 |
| 79) Pyrene-d10 | 20.10 | 212 | 786160 | 37.98 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 25.34 | 264 | 828991 | 36.83 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.89 | 88 | 8747 | 10.362 | ng/uL# | 69 |
| 4) Benzaldehyde | 7.51 | 77 | 62237 | 31.101 | ng/ul# | 83 |
| 6) Phenol | 7.54 | 94 | 103895 | 33.036 | ng/ul | 93 |
| 8) Bis(2-Chloroethyl)ether | 7.78 | 93 | 73045 | 31.564 | ng/ul | 96 |
| 10) 2-Chlorophenol | 7.93 | 128 | 86020 | 35.766 | ng/ul | 94 |
| 11) 2-Methylphenol | 8.79 | 108 | 77485 | 31.998 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.89 | 45 | 94976 | 31.680 | ng/ul | 98 |
| 14) Acetophenone | 9.19 | 105 | 137854 | 33.873 | ng/ul | 92 |
| 15) N-Nitroso-di-n-propylamine | 9.16 | 70 | 67227 | 32.569 | ng/ul | 93 |
| 16) 4-Methylphenol | 9.12 | 108 | 89616 | 33.378 | ng/ul | 99 |
| 17) Hexachloroethane | 9.46 | 117 | 32855 | 32.145 | ng/ul# | 72 |
| 20) Nitrobenzene | 9.58 | 77 | 94383 | 29.645 | ng/ul# | 87 |
| 21) Isophorone | 10.10 | 82 | 188124 | 30.218 | ng/ul# | 92 |
| 23) 2-Nitrophenol | 10.30 | 139 | 56407 | 35.734 | ng/ul | 91 |
| 24) 2,4-Dimethylphenol | 10.33 | 107 | 111726 | 33.688 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 10.57 | 93 | 108277 | 31.059 | ng/ul# | 92 |
| 27) 2,4-Dichlorophenol | 10.83 | 162 | 111720 | 38.872 | ng/ul | 97 |
| 28) Naphthalene | 11.24 | 128 | 286873 | 32.709 | ng/ul | 99 |
| 30) 4-Chloroaniline | 11.34 | 127 | 119976 | 41.656 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 11.51 | 225 | 91444 | 37.447 | ng/ul | 97 |
| 32) Caprolactam | 12.10 | 113 | 35362m | 36.061 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.44 | 107 | 109517 | 35.293 | ng/ul | 88 |
| 34) 2-Methylnaphthalene | 12.82 | 142 | 254682 | 38.926 | ng/ul | 98 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 13.04 | 142 | 242343 | 39.256 | ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.18 | 216 | 184927 | 37.373 | ng/ul# | 93 |
| 38) Hexachlorocyclopentadiene | 13.16 | 237 | 109666 | 103.122 | ng/ul# | 98 |
| 39) 2,4,6-Trichlorophenol | 13.42 | 196 | 118243 | 43.802 | ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 13.49 | 196 | 121602 | 41.042 | ng/ul | 97 |
| 41) 1,1'-Biphenyl | 13.81 | 154 | 350321 | 36.184 | ng/ul# | 98 |
| 42) 2-Chloronaphthalene | 13.86 | 162 | 286529 | 36.332 | ng/ul | 97 |
| 43) 2-Nitroaniline | 14.06 | 65 | 72244 | 31.846 | ng/ul | 91 |
| 45) Dimethylphthalate | 14.42 | 163 | 405664 | 35.753 | ng/ul | 98 |
| 46) 2,6-Dinitrotoluene | 14.55 | 165 | 84654 | 38.097 | ng/ul | 88 |
| 48) Acenaphthylene | 14.70 | 152 | 462274 | 36.934 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.88 | 138 | 73885 | 37.522 | ng/ul# | 89 |
| 50) Acenaphthene | 15.04 | 153 | 308617 | 35.726 | ng/ul | 100 |
| 51) 2,4-Dinitrophenol | 15.08 | 184 | 53252 | 92.330 | ng/ul | 97 |
| 53) 4-Nitrophenol | 15.18 | 109 | 55431 | 42.347 | ng/ul | 92 |
| 54) Dibenzofuran | 15.37 | 168 | 473209 | 36.398 | ng/ul | 94 |
| 55) 2,4-Dinitrotoluene | 15.33 | 165 | 126250 | 37.773 | ng/ul# | 90 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.60 | 232 | 132994 | 50.397 | ng/ul | 95 |
| 57) Diethylphthalate | 15.77 | 149 | 404564 | 35.128 | ng/ul | 98 |
| 59) Fluorene | 16.02 | 166 | 410805 | 38.740 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 16.00 | 204 | 242555 | 39.387 | ng/ul | 97 |
| 61) 4-Nitroaniline | 16.04 | 138 | 84651 | 37.131 | ng/ul | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 16.10 | 198 | 95364 | 48.353 | ng/ul# | 88 |
| 65) N-Nitrosodiphenylamine | 16.22 | 169 | 352815 | 36.122 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.90 | 248 | 179952 | 42.204 | ng/ul | 91 |
| 67) Hexachlorobenzene | 17.03 | 284 | 201900 | 42.723 | ng/ul | 92 |
| 68) Atrazine | 17.16 | 200 | 168349 | 38.856 | ng/ul | 95 |
| 69) Pentachlorophenol | 17.37 | 266 | 105079 | 81.420 | ng/ul | 97 |
| 70) Phenanthrene | 17.77 | 178 | 677878 | 33.790 | ng/ul | 99 |
| 72) Anthracene | 17.87 | 178 | 702112 | 34.668 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.78 | 216 | 190881 | 39.353 | ng/uL | 97 |
| 74) Pentachlorobenzene | 15.29 | 250 | 283349 | 56.091 | ng/uL | 97 |
| 75) Carbazole | 18.13 | 167 | 581236 | 35.022 | ng/ul | 97 |
| 76) Di-n-butylphthalate | 18.66 | 149 | 651298 | 32.081 | ng/ul | 99 |
| 77) Fluoranthene | 19.76 | 202 | 883011 | 36.208 | ng/ul# | 95 |
| 80) Pyrene | 20.13 | 202 | 899552 | 32.607 | ng/ul# | 95 |
| 81) Butylbenzylphthalate | 21.00 | 149 | 286545 | 30.909 | ng/ul# | 88 |
| 82) 3,3'-Dichlorobenzidine | 21.94 | 252 | 342448 | 39.889 | ng/ul# | 96 |
| 83) Benzo(a)anthracene | 22.04 | 228 | 940493 | 34.650 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.90 | 149 | 412430 | 30.163 | ng/ul# | 94 |
| 85) Chrysene | 22.11 | 228 | 850386 | 33.137 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 23.21 | 149 | 694923 | 29.058 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 24.46 | 252 | 984357 | 36.188 | ng/ul | 98 |
| 89) Benzo(k)fluoranthene | 24.53 | 252 | 955913 | 35.589 | ng/ul# | 97 |
| 91) Benzo(a)pyrene | 25.42 | 252 | 945086 | 36.107 | ng/ul# | 96 |
| 92) Indeno(1,2,3-cd)pyrene | 29.63 | 276 | 1154120 | 37.369 | ng/ul# | 96 |
| 93) Dibenzo(a,h)anthracene | 29.69 | 278 | 997458 | 39.214 | ng/ul# | 96 |
| 94) Benzo(g,h,i)perylene | 30.90 | 276 | 954982 | 37.481 | ng/ul# | 95 |

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|---|---|---|---|---|---|---|

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

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