Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080817\
Data File : BG028217.D
Acq On : 9 Aug 2017 8:54
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 09 17:49:38 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 09 08:20:51 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.36 | 152 | 34134 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.18 | 136 | 159791 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.97 | 164 | 122566 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.71 | 188 | 333321 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 22.04 | 240 | 376043 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.54 | 264 | 346450 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.84 | 96 | 5912 | 8.07 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.50 | 99 | 69359 | 18.50 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.67 | 67 | 44340 | 18.68 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.89 | 132 | 46368 | 19.61 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.04 | 113 | 58588 | 18.70 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.52 | 128 | 24404 | 19.53 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.25 | 143 | 30258 | 22.09 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.79 | 165 | 58364 | 20.59 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.30 | 131 | 72951 | 23.12 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.35 | 166 | 220911 | 20.26 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.66 | 160 | 250365 | 20.37 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.15 | 143 | 34515 | 19.91 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.95 | 176 | 197522 | 20.20 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.06 | 200 | 43610 | 20.14 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.81 | 188 | 319251 | 19.97 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 20.08 | 212 | 369993 | 19.19 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.30 | 264 | 324981 | 20.04 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.88 | 88 | 7148 | 9.285 | ng/uL# | 87 |
| 4) Benzaldehyde | 7.50 | 77 | 45060 | 20.799 | ng/ul | 85 |
| 6) Phenol | 7.53 | 94 | 69642 | 18.692 | ng/ul | 91 |
| 8) Bis(2-Chloroethyl)ether | 7.76 | 93 | 49721 | 19.591 | ng/ul | 91 |
| 10) 2-Chlorophenol | 7.92 | 128 | 45367 | 19.685 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.78 | 108 | 47839 | 18.191 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.88 | 45 | 114163 | 18.531 | ng/ul | 96 |
| 14) Acetophenone | 9.18 | 105 | 85907 | 19.225 | ng/ul | 89 |
| 15) N-Nitroso-di-n-propylamine | 9.15 | 70 | 50635 | 19.938 | ng/ul | 89 |
| 16) 4-Methylphenol | 9.11 | 108 | 56752 | 19.112 | ng/ul | 98 |
| 17) Hexachloroethane | 9.45 | 117 | 18215 | 19.073 | ng/ul# | 89 |
| 20) Nitrobenzene | 9.57 | 77 | 70917 | 19.606 | ng/ul | 95 |
| 21) Isophorone | 10.08 | 82 | 140121 | 20.391 | ng/ul | 96 |
| 23) 2-Nitrophenol | 10.28 | 139 | 27960 | 20.216 | ng/ul | 97 |
| 24) 2,4-Dimethylphenol | 10.32 | 107 | 71199 | 20.712 | ng/ul | 92 |
| 25) Bis(2-Chloroethoxy)methane | 10.56 | 93 | 72320 | 19.321 | ng/ul# | 89 |
| 27) 2,4-Dichlorophenol | 10.82 | 162 | 52979 | 20.532 | ng/ul | 94 |
| 28) Naphthalene | 11.23 | 128 | 157733 | 19.931 | ng/ul | 98 |
| 30) 4-Chloroaniline | 11.33 | 127 | 68347 | 22.347 | ng/ul | 91 |
| 31) Hexachlorobutadiene | 11.50 | 225 | 40199 | 21.106 | ng/ul | 90 |
| 32) Caprolactam | 12.08 | 113 | 23179 | 21.603 | ng/ul | 86 |
| 33) 4-Chloro-3-methylphenol | 12.43 | 107 | 70622 | 21.442 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.81 | 142 | 130919 | 20.595 | ng/ul | 96 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.17 | 216 | 77052 | 19.504 ng/ul | 95 |
| 37) Hexachlorocyclopentadiene | 13.14 | 237 | 39664 | 18.195 ng/ul# | 99 |
| 38) 2,4,6-Trichlorophenol | 13.40 | 196 | 53434 | 21.701 ng/ul | 93 |
| 39) 2,4,5-Trichlorophenol | 13.48 | 196 | 59252 | 22.077 ng/ul | 95 |
| 40) 1,1'-Biphenyl | 13.80 | 154 | 179195 | 20.018 ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.84 | 162 | 135508 | 19.155 ng/ul | 95 |
| 42) 2-Nitroaniline | 14.05 | 65 | 60059 | 20.249 ng/ul | 99 |
| 44) Dimethylphthalate | 14.40 | 163 | 202004 | 20.125 ng/ul | 100 |
| 45) 2,6-Dinitrotoluene | 14.53 | 165 | 45714 | 22.058 ng/ul# | 93 |
| 47) Acenaphthylene | 14.69 | 152 | 231670 | 19.723 ng/ul | 97 |
| 48) 3-Nitroaniline | 14.87 | 138 | 39740 | 21.296 ng/ul# | 91 |
| 49) Acenaphthene | 15.02 | 153 | 158152 | 19.956 ng/ul | 97 |
| 50) 2,4-Dinitrophenol | 15.07 | 184 | 25893 | 22.175 ng/ul# | 89 |
| 52) 4-Nitrophenol | 15.17 | 109 | 37891 | 21.098 ng/ul | 95 |
| 53) Dibenzofuran | 15.36 | 168 | 230488 | 19.947 ng/ul | 100 |
| 54) 2,4-Dinitrotoluene | 15.32 | 165 | 66534 | 21.184 ng/ul# | 87 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.58 | 232 | 57467 | 22.990 ng/ul | 98 |
| 56) Diethylphthalate | 15.75 | 149 | 236971 | 20.125 ng/ul | 98 |
| 58) Fluorene | 16.01 | 166 | 206436 | 20.179 ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.99 | 204 | 109115 | 19.880 ng/ul# | 87 |
| 60) 4-Nitroaniline | 16.03 | 138 | 45974 | 20.766 ng/ul | 82 |
| 63) 4,6-Dinitro-2-methylphenol | 16.08 | 198 | 44414 | 20.229 ng/ul# | 98 |
| 64) N-Nitrosodiphenylamine | 16.21 | 169 | 175097 | 19.968 ng/ul | 97 |
| 65) 4-Bromophenyl-phenylether | 16.89 | 248 | 73724 | 20.579 ng/ul | 90 |
| 66) Hexachlorobenzene | 17.02 | 284 | 80511 | 21.110 ng/ul | 97 |
| 67) Atrazine | 17.15 | 200 | 76738 | 20.072 ng/ul | 93 |
| 68) Pentachlorophenol | 17.36 | 266 | 40548m | 20.990 ng/ul | |
| 69) Phenanthrene | 17.75 | 178 | 331620 | 19.769 ng/ul | 99 |
| 71) Anthracene | 17.84 | 178 | 344660 | 20.104 ng/ul | 100 |
| 72) Carbazole | 18.11 | 167 | 298417 | 20.014 ng/ul | 98 |
| 73) Di-n-butylphthalate | 18.64 | 149 | 370330 | 19.952 ng/ul | 97 |
| 74) Fluoranthene | 19.75 | 202 | 413558 | 20.286 ng/ul | 98 |
| 77) Pyrene | 20.11 | 202 | 424452 | 18.919 ng/ul | 99 |
| 78) Butylbenzylphthalate | 20.98 | 149 | 166136 | 19.767 ng/ul | 95 |
| 79) 3,3'-Dichlorobenzidine | 21.92 | 252 | 135245 | 18.642 ng/ul# | 89 |
| 80) Benzo(a)anthracene | 22.02 | 228 | 422876 | 19.463 ng/ul | 98 |
| 81) Bis(2-ethylhexyl)phthalate | 21.88 | 149 | 237890 | 19.902 ng/ul | 97 |
| 82) Chrysene | 22.09 | 228 | 383494 | 19.598 ng/ul | 97 |
| 84) Di-n-octyl phthalate | 23.19 | 149 | 404596 | 19.487 ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 24.42 | 252 | 417745 | 20.150 ng/ul# | 97 |
| 86) Benzo(k)fluoranthene | 24.50 | 252 | 400801 | 19.792 ng/ul# | 97 |
| 88) Benzo(a)pyrene | 25.38 | 252 | 401937 | 20.023 ng/ul | 99 |
| 89) Indeno(1,2,3-cd)pyrene | 29.57 | 276 | 476860 | 20.286 ng/ul | 99 |
| 90) Dibenzo(a,h)anthracene | 29.62 | 278 | 396148 | 20.107 ng/ul | 96 |
| 91) Benzo(g,h,i)perylene | 30.82 | 276 | 384020 | 19.858 ng/ul | 98 |

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

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