Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101316\
Data File : BG024322.D
Acq On : 13 Oct 2016 16:00
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTD02023

Quant Time: Oct 13 16:59:52 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 13 01:34:23 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.29 | 152 | 171246 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.12 | 136 | 748367 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.90 | 164 | 565051 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.65 | 188 | 1111205 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.94 | 240 | 1184368 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.39 | 264 | 1210600 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.65 | 96 | 29523 | 8.19 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.42 | 99 | 333837 | 20.89 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.61 | 67 | 216612 | 20.05 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.81 | 132 | 235488 | 21.40 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.97 | 113 | 271129 | 20.99 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.47 | 128 | 117545 | 22.13 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.19 | 143 | 137433 | 23.13 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.73 | 165 | 268465 | 20.74 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.24 | 131 | 305748 | 22.49 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.30 | 166 | 800300 | 20.28 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.60 | 160 | 988959 | 21.88 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.07 | 143 | 136506 | 19.51 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.89 | 176 | 786927 | 21.10 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.00 | 200 | 153642 | 23.01 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.75 | 188 | 1080441 | 21.53 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 20.01 | 212 | 1173271 | 21.22 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.15 | 264 | 1162203 | 21.34 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.69 | 88 | 33571 | 8.59 | ng/uL# | 83 |
| 4) Benzaldehyde | 7.42 | 77 | 246918 | 21.96 | ng/ul | 96 |
| 6) Phenol | 7.45 | 94 | 342514 | 21.12 | ng/ul | 94 |
| 8) Bis(2-Chloroethyl)ether | 7.70 | 93 | 253943 | 21.27 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.85 | 128 | 227989 | 20.45 | ng/ul | 92 |
| 11) 2-Methylphenol | 8.72 | 108 | 251081 | 20.90 | ng/ul | 93 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.82 | 45 | 456675 | 19.16 | ng/ul# | 94 |
| 14) Acetophenone | 9.12 | 105 | 412119 | 21.49 | ng/ul | 91 |
| 15) N-Nitroso-di-n-propylamine | 9.09 | 70 | 238083 | 20.58 | ng/ul | 93 |
| 16) 4-Methylphenol | 9.04 | 108 | 281836 | 22.12 | ng/ul | 97 |
| 17) Hexachloroethane | 9.38 | 117 | 102244 | 19.83 | ng/ul | 90 |
| 20) Nitrobenzene | 9.51 | 77 | 362213 | 21.55 | ng/ul | 97 |
| 21) Isophorone | 10.03 | 82 | 634045 | 20.76 | ng/ul | 98 |
| 23) 2-Nitrophenol | 10.23 | 139 | 144281 | 22.28 | ng/ul# | 81 |
| 24) 2,4-Dimethylphenol | 10.26 | 107 | 339597 | 21.28 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.50 | 93 | 348270 | 20.80 | ng/ul | 95 |
| 27) 2,4-Dichlorophenol | 10.75 | 162 | 265663 | 21.41 | ng/ul | 97 |
| 28) Naphthalene | 11.17 | 128 | 752727 | 20.89 | ng/ul | 96 |
| 30) 4-Chloroaniline | 11.27 | 127 | 312767 | 22.67 | ng/ul | 94 |
| 31) Hexachlorobutadiene | 11.44 | 225 | 213427 | 21.48 | ng/ul | 92 |
| 32) Caprolactam | 12.03 | 113 | 92988 | 19.72 | ng/ul | 82 |
| 33) 4-Chloro-3-methylphenol | 12.36 | 107 | 314766 | 20.73 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.75 | 142 | 606959 | 21.19 | ng/ul | 97 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.11 | 216 | 388825 | 23.33 ng/ul | 91 |
| 37) Hexachlorocyclopentadiene | 13.08 | 237 | 251908 | 20.62 ng/ul# | 94 |
| 38) 2,4,6-Trichlorophenol | 13.34 | 196 | 235920 | 21.83 ng/ul | 87 |
| 39) 2,4,5-Trichlorophenol | 13.41 | 196 | 260999 | 21.98 ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.74 | 154 | 799535 | 21.85 ng/ul# | 98 |
| 41) 2-Chloronaphthalene | 13.79 | 162 | 631682 | 22.02 ng/ul | 98 |
| 42) 2-Nitroaniline | 13.99 | 65 | 243186 | 22.27 ng/ul | 96 |
| 44) Dimethylphthalate | 14.34 | 163 | 801446 | 20.72 ng/ul# | 98 |
| 45) 2,6-Dinitrotoluene | 14.47 | 165 | 172352 | 22.96 ng/ul | 98 |
| 47) Acenaphthylene | 14.63 | 152 | 939783 | 21.61 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.80 | 138 | 149980 | 21.15 ng/ul# | 74 |
| 49) Acenaphthene | 14.97 | 153 | 646713 | 20.80 ng/ul | 96 |
| 50) 2,4-Dinitrophenol | 15.00 | 184 | 105555 | 20.96 ng/ul | 87 |
| 52) 4-Nitrophenol | 15.08 | 109 | 160786 | 18.97 ng/ul | 92 |
| 53) Dibenzofuran | 15.30 | 168 | 966742 | 21.13 ng/ul | 98 |
| 54) 2,4-Dinitrotoluene | 15.25 | 165 | 236207 | 21.24 ng/ul | 98 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.51 | 232 | 253432 | 21.74 ng/ul# | 98 |
| 56) Diethylphthalate | 15.70 | 149 | 803500 | 19.70 ng/ul | 97 |
| 58) Fluorene | 15.95 | 166 | 752535 | 19.89 ng/ul | 97 |
| 59) 4-Chlorophenyl-phenylether | 15.93 | 204 | 432154 | 20.58 ng/ul | 92 |
| 60) 4-Nitroaniline | 15.96 | 138 | 156666 | 19.18 ng/ul | 93 |
| 63) 4,6-Dinitro-2-methylphenol | 16.01 | 198 | 156819 | 22.40 ng/ul# | 93 |
| 64) N-Nitrosodiphenylamine | 16.14 | 169 | 676152 | 21.51 ng/ul | 97 |
| 65) 4-Bromophenyl-phenylether | 16.82 | 248 | 288306 | 22.40 ng/ul | 90 |
| 66) Hexachlorobenzene | 16.94 | 284 | 317311 | 22.10 ng/ul | 98 |
| 67) Atrazine | 17.08 | 200 | 282431 | 21.97 ng/ul | 97 |
| 68) Pentachlorophenol | 17.28 | 266 | 199442 | 22.85 ng/ul | 91 |
| 69) Phenanthrene | 17.69 | 178 | 1177631 | 20.99 ng/ul | 98 |
| 71) Anthracene | 17.78 | 178 | 1223613 | 21.43 ng/ul | 98 |
| 72) Carbazole | 18.04 | 167 | 1007063 | 22.47 ng/ul | 98 |
| 73) Di-n-butylphthalate | 18.57 | 149 | 1235704 | 22.55 ng/ul | 98 |
| 74) Fluoranthene | 19.68 | 202 | 1326255 | 23.40 ng/ul | 98 |
| 77) Pyrene | 20.04 | 202 | 1342380 | 21.22 ng/ul | 99 |
| 78) Butylbenzylphthalate | 20.91 | 149 | 570205 | 22.44 ng/ul | 98 |
| 79) 3,3'-Dichlorobenzidine | 21.83 | 252 | 525105 | 23.81 ng/ul# | 99 |
| 80) Benzo(a)anthracene | 21.92 | 228 | 1420067 | 21.61 ng/ul | 96 |
| 81) Bis(2-ethylhexyl)phthalate | 21.79 | 149 | 779741 | 21.69 ng/ul | 96 |
| 82) Chrysene | 21.99 | 228 | 1336291 | 21.36 ng/ul | 99 |
| 84) Di-n-octyl phthalate | 23.08 | 149 | 1328923 | 23.40 ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 24.28 | 252 | 1432469 | 21.31 ng/ul | 99 |
| 86) Benzo(k)fluoranthene | 24.36 | 252 | 1350430 | 20.86 ng/ul | 99 |
| 88) Benzo(a)pyrene | 25.22 | 252 | 1376596 | 21.50 ng/ul | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 29.34 | 276 | 1719302 | 22.67 ng/ul | 98 |
| 90) Dibenzo(a,h)anthracene | 29.43 | 278 | 1423972 | 22.21 ng/ul | 95 |
| 91) Benzo(g,h,i)perylene | 30.60 | 276 | 1381668 | 21.67 ng/ul | 96 |

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

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