Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG053116\
Data File : BG022135.D
Acq On : 1 Jun 2016 5:45
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 01 06:42:50 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 01 01:07:08 2016
Response via : Initial Calibration

**Instrument :** BNA_G
**ClientSampleId :** SSTD02025

**Manual Integrations APPROVED**
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6/1/2016 4:41:26 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.14 | 152 | 34128 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.95 | 136 | 175354 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.77 | 164 | 106203 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.51 | 188 | 244279 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.79 | 240 | 243769 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.10 | 264 | 224254 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.51 | 96 | 5476 | 8.36 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.30 | 99 | 52961 | 17.17 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.46 | 67 | 27437 | 16.97 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.67 | 132 | 46300 | 17.96 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.85 | 113 | 46037 | 17.60 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.31 | 128 | 24027 | 18.58 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.03 | 143 | 25754 | 18.38 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.58 | 165 | 45916 | 18.58 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.09 | 131 | 61724m | 22.93 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.16 | 166 | 156376 | 19.60 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.46 | 160 | 202706 | 18.20 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.98 | 143 | 23346 | 17.00 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.75 | 176 | 141840 | 18.99 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.88 | 200 | 22761 | 17.83 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.60 | 188 | 215137 | 18.35 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.88 | 212 | 226287 | 16.46 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 24.87 | 264 | 193540 | 18.60 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.54 | 88 | 9211 | 7.76 | ng/uL# | 85 |
| 4) Benzaldehyde | 7.27 | 77 | 21023 | 12.37 | ng/ul | 92 |
| 6) Phenol | 7.32 | 94 | 54666 | 17.60 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 7.54 | 93 | 41454 | 18.27 | ng/ul | 96 |
| 10) 2-Chlorophenol | 7.70 | 128 | 46514 | 18.31 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.58 | 108 | 44297 | 17.86 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.66 | 45 | 46508 | 17.16 | ng/ul | 96 |
| 14) Acetophenone | 8.96 | 105 | 68109 | 18.62 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.94 | 70 | 34631 | 18.34 | ng/ul | 98 |
| 16) 4-Methylphenol | 8.91 | 108 | 48218 | 18.03 | ng/ul | 92 |
| 17) Hexachloroethane | 9.22 | 117 | 18078 | 17.85 | ng/ul# | 92 |
| 20) Nitrobenzene | 9.35 | 77 | 46389 | 17.72 | ng/ul | 95 |
| 21) Isophorone | 9.87 | 82 | 103912 | 18.62 | ng/ul | 97 |
| 23) 2-Nitrophenol | 10.07 | 139 | 27248 | 18.61 | ng/ul | 94 |
| 24) 2,4-Dimethylphenol | 10.12 | 107 | 49125 | 17.38 | ng/ul | 89 |
| 25) Bis(2-Chloroethoxy)methane | 10.35 | 93 | 60782 | 18.98 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.61 | 162 | 45470 | 18.75 | ng/ul | 96 |
| 28) Naphthalene | 11.01 | 128 | 160065 | 18.00 | ng/ul | 98 |
| 30) 4-Chloroaniline | 11.12 | 127 | 58962 | 21.80 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 11.28 | 225 | 26532 | 18.56 | ng/ul# | 86 |
| 32) Caprolactam | 11.86 | 113 | 19119 | 19.67 | ng/ul | 93 |
| 33) 4-Chloro-3-methylphenol | 12.24 | 107 | 48905 | 18.93 | ng/ul | 95 |
| 34) 2-Methylnaphthalene | 12.60 | 142 | 117095 | 18.42 | ng/ul | 98 |

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.96 | 216 | 52803 | 16.76 | ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 12.94 | 237 | 23382 | 17.23 | ng/ul | 94 |
| 38) 2,4,6-Trichlorophenol | 13.28 | 196 | 35926 | 16.89 | ng/ul | 97 |
| 39) 2,4,5-Trichlorophenol | 13.28 | 196 | 35926 | 15.91 | ng/ul | 95 |
| 40) 1,1'-Biphenyl | 13.60 | 154 | 152422 | 17.43 | ng/ul | 98 |
| 41) 2-Chloronaphthalene | 13.64 | 162 | 117707 | 17.52 | ng/ul | 96 |
| 42) 2-Nitroaniline | 13.85 | 65 | 25645 | 16.94 | ng/ul | 92 |
| 44) Dimethylphthalate | 14.21 | 163 | 155633 | 19.42 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.34 | 165 | 32967 | 19.17 | ng/ul | 93 |
| 47) Acenaphthylene | 14.49 | 152 | 204995 | 18.07 | ng/ul | 98 |
| 48) 3-Nitroaniline | 14.68 | 138 | 25895 | 15.72 | ng/ul# | 95 |
| 49) Acenaphthene | 14.82 | 153 | 139057 | 17.74 | ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.88 | 184 | 10553 | 15.85 | ng/ul# | 82 |
| 52) 4-Nitrophenol | 15.00 | 109 | 12513 | 16.15 | ng/ul | 87 |
| 53) Dibenzofuran | 15.16 | 168 | 182144 | 18.79 | ng/ul | 98 |
| 54) 2,4-Dinitrotoluene | 15.12 | 165 | 46262 | 19.95 | ng/ul | 93 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.39 | 232 | 31743 | 17.78 | ng/ul | 96 |
| 56) Diethylphthalate | 15.56 | 149 | 163742 | 19.69 | ng/ul | 99 |
| 58) Fluorene | 15.81 | 166 | 156820 | 19.17 | ng/ul | 97 |
| 59) 4-Chlorophenyl-phenylether | 15.79 | 204 | 69855 | 18.96 | ng/ul | 97 |
| 60) 4-Nitroaniline | 15.84 | 138 | 30988 | 17.13 | ng/ul | 90 |
| 63) 4,6-Dinitro-2-methylphenol | 15.89 | 198 | 23087 | 17.47 | ng/ul | 96 |
| 64) N-Nitrosodiphenylamine | 16.01 | 169 | 132982 | 17.22 | ng/ul | 100 |
| 65) 4-Bromophenyl-phenylether | 16.69 | 248 | 41984 | 17.01 | ng/ul | 92 |
| 66) Hexachlorobenzene | 16.81 | 284 | 50857 | 17.74 | ng/ul | 99 |
| 67) Atrazine | 16.95 | 200 | 50865 | 19.12 | ng/ul | 99 |
| 68) Pentachlorophenol | 17.16 | 266 | 17601m | 11.80 | ng/ul | |
| 69) Phenanthrene | 17.55 | 178 | 246493 | 18.14 | ng/ul | 99 |
| 71) Anthracene | 17.64 | 178 | 250302 | 18.19 | ng/ul | 99 |
| 72) Carbazole | 17.91 | 167 | 219022 | 18.36 | ng/ul | 100 |
| 73) Di-n-butylphthalate | 18.44 | 149 | 300280 | 18.79 | ng/ul | 99 |
| 74) Fluoranthene | 19.55 | 202 | 274248 | 19.75 | ng/ul | 98 |
| 77) Pyrene | 19.91 | 202 | 277231 | 16.16 | ng/ul | 100 |
| 78) Butylbenzylphthalate | 20.78 | 149 | 132899 | 16.35 | ng/ul | 92 |
| 79) 3,3'-Dichlorobenzidine | 21.68 | 252 | 77433 | 16.90 | ng/ul | 98 |
| 80) Benzo(a)anthracene | 21.76 | 228 | 246325 | 17.23 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 196696 | 17.00 | ng/ul | 99 |
| 82) Chrysene | 21.83 | 228 | 237037 | 17.28 | ng/ul | 98 |
| 84) Di-n-octyl phthalate | 22.88 | 149 | 327997 | 17.95 | ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 24.04 | 252 | 250704 | 19.10 | ng/ul | 97 |
| 86) Benzo(k)fluoranthene | 24.11 | 252 | 230677 | 18.06 | ng/ul | 97 |
| 88) Benzo(a)pyrene | 24.94 | 252 | 228353 | 18.03 | ng/ul | 97 |
| 89) Indeno(1,2,3-cd)pyrene | 28.89 | 276 | 265122 | 18.26 | ng/ul | 95 |
| 90) Dibenzo(a,h)anthracene | 28.95 | 278 | 218080m | 17.95 | ng/ul | |
| 91) Benzo(g,h,i)perylene | 30.08 | 276 | 220174 | 18.93 | ng/ul | 96 |

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

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