Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020816\
Data File : BG020807.D
Acq On : 8 Feb 2016 17:28
Operator : SJ/UM
Sample : SSTD02017
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTD02017

Quant Time: Feb 09 04:42:32 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 09 04:36:21 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.27 | 152 | 15272 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.10 | 136 | 79189 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.89 | 164 | 48568 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.62 | 188 | 110281 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.90 | 240 | 101907 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.29 | 264 | 93885 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.60 | 96 | 2700 | 8.00 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.40 | 99 | 30672 | 20.00 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.58 | 67 | 17163 | 20.00 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.80 | 132 | 24544 | 20.00 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.96 | 113 | 27509 | 20.00 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.44 | 128 | 13327 | 20.00 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.17 | 143 | 13260 | 20.00 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.70 | 165 | 25040 | 20.00 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.22 | 131 | 37218 | 20.00 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.28 | 166 | 87795 | 20.00 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.58 | 160 | 107395 | 20.00 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 15.05 | 143 | 17674 | 20.00 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.87 | 176 | 75123 | 20.00 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.97 | 200 | 9794 | 20.00 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.72 | 188 | 113325 | 20.00 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.99 | 212 | 109390 | 20.00 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 25.05 | 264 | 106761 | 20.00 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.64 | 88 | 3010 | 8.00 | ng/uL | 100 |
| 4) Benzaldehyde | 7.40 | 77 | 19928 | 20.00 | ng/ul | 100 |
| 6) Phenol | 7.43 | 94 | 33556 | 20.00 | ng/ul | 100 |
| 8) Bis(2-Chloroethyl)ether | 7.68 | 93 | 26218 | 20.00 | ng/ul | 100 |
| 10) 2-Chlorophenol | 7.83 | 128 | 25529 | 20.00 | ng/ul | 100 |
| 11) 2-Methylphenol | 8.70 | 108 | 26491 | 20.00 | ng/ul | 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.80 | 45 | 27505 | 20.00 | ng/ul | 100 |
| 14) Acetophenone | 9.09 | 105 | 42071 | 20.00 | ng/ul | 100 |
| 15) N-Nitroso-di-n-propylamine | 9.08 | 70 | 21598 | 20.00 | ng/ul | 100 |
| 16) 4-Methylphenol | 9.03 | 108 | 29550 | 20.00 | ng/ul | 100 |
| 17) Hexachloroethane | 9.37 | 117 | 9457 | 20.00 | ng/ul | 100 |
| 20) Nitrobenzene | 9.48 | 77 | 28471 | 20.00 | ng/ul | 100 |
| 21) Isophorone | 10.00 | 82 | 61652 | 20.00 | ng/ul | 100 |
| 23) 2-Nitrophenol | 10.20 | 139 | 15335 | 20.00 | ng/ul | 100 |
| 24) 2,4-Dimethylphenol | 10.25 | 107 | 30891 | 20.00 | ng/ul | 100 |
| 25) Bis(2-Chloroethoxy)methane | 10.49 | 93 | 39272 | 20.00 | ng/ul | 100 |
| 27) 2,4-Dichlorophenol | 10.73 | 162 | 26142 | 20.00 | ng/ul | 100 |
| 28) Naphthalene | 11.15 | 128 | 91112 | 20.00 | ng/ul | 100 |
| 30) 4-Chloroaniline | 11.25 | 127 | 39320 | 20.00 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 11.43 | 225 | 12474 | 20.00 | ng/ul | 100 |
| 32) Caprolactam | 12.00 | 113 | 11392 | 20.00 | ng/ul | 100 |
| 33) 4-Chloro-3-methylphenol | 12.34 | 107 | 31343 | 20.00 | ng/ul | 100 |
| 34) 2-Methylnaphthalene | 12.73 | 142 | 69103 | 20.00 | ng/ul | 100 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.95 | 142 | 65355 | 20.00 | ng/ul | 100 |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.09 | 216 | 28911 | 20.00 | ng/ul | 100 |
| 38) Hexachlorocyclopentadiene | 13.07 | 237 | 14152 | 20.00 | ng/ul | 100 |
| 39) 2,4,6-Trichlorophenol | 13.32 | 196 | 21121 | 20.00 | ng/ul | 100 |
| 40) 2,4,5-Trichlorophenol | 13.39 | 196 | 23205 | 20.00 | ng/ul | 100 |
| 41) 1,1'-Biphenyl | 13.72 | 154 | 89517 | 20.00 | ng/ul | 100 |
| 42) 2-Chloronaphthalene | 13.77 | 162 | 66837 | 20.00 | ng/ul | 100 |
| 43) 2-Nitroaniline | 13.96 | 65 | 18528 | 20.00 | ng/ul | 100 |
| 45) Dimethylphthalate | 14.33 | 163 | 91769 | 20.00 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 14.45 | 165 | 18062 | 20.00 | ng/ul | 100 |
| 48) Acenaphthylene | 14.61 | 152 | 119046 | 20.00 | ng/ul | 100 |
| 49) 3-Nitroaniline | 14.78 | 138 | 21424 | 20.00 | ng/ul | 100 |
| 50) Acenaphthene | 14.95 | 153 | 81418 | 20.00 | ng/ul | 100 |
| 51) 2,4-Dinitrophenol | 14.98 | 184 | 5736 | 20.00 | ng/ul | 100 |
| 53) 4-Nitrophenol | 15.07 | 109 | 10355 | 20.00 | ng/ul | 100 |
| 54) Dibenzofuran | 15.28 | 168 | 108176 | 20.00 | ng/ul | 100 |
| 55) 2,4-Dinitrotoluene | 15.23 | 165 | 25525 | 20.00 | ng/ul | 100 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.50 | 232 | 19861 | 20.00 | ng/ul | 100 |
| 57) Diethylphthalate | 15.68 | 149 | 96634 | 20.00 | ng/ul | 100 |
| 59) Fluorene | 15.93 | 166 | 92750 | 20.00 | ng/ul | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.91 | 204 | 39279 | 20.00 | ng/ul | 100 |
| 61) 4-Nitroaniline | 15.93 | 138 | 24051 | 20.00 | ng/ul | 100 |
| 64) 4,6-Dinitro-2-methylphenol | 15.99 | 198 | 11152 | 20.00 | ng/ul | 100 |
| 65) N-Nitrosodiphenylamine | 16.12 | 169 | 78006 | 20.00 | ng/ul | 100 |
| 66) 4-Bromophenyl-phenylether | 16.81 | 248 | 24448 | 20.00 | ng/ul | 100 |
| 67) Hexachlorobenzene | 16.92 | 284 | 26660 | 20.00 | ng/ul | 100 |
| 68) Atrazine | 17.06 | 200 | 24926 | 20.00 | ng/ul | 100 |
| 69) Pentachlorophenol | 17.27 | 266 | 15139 | 20.00 | ng/ul | 100 |
| 70) Phenanthrene | 17.66 | 178 | 143997 | 20.00 | ng/ul | 100 |
| 72) Anthracene | 17.75 | 178 | 146439 | 20.00 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.69 | 216 | 27494 | 20.00 | ng/uL | 100 |
| 74) Pentachlorobenzene | 15.20 | 250 | 28375 | 20.00 | ng/uL | 100 |
| 75) Carbazole | 18.02 | 167 | 128915 | 20.00 | ng/ul | 100 |
| 76) Di-n-butylphthalate | 18.56 | 149 | 163374 | 20.00 | ng/ul | 100 |
| 77) Fluoranthene | 19.65 | 202 | 150376 | 20.00 | ng/ul | 100 |
| 80) Pyrene | 20.01 | 202 | 153380 | 20.00 | ng/ul | 100 |
| 81) Butylbenzylphthalate | 20.88 | 149 | 70011 | 20.00 | ng/ul | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.79 | 252 | 48223 | 20.00 | ng/ul | 100 |
| 83) Benzo(a)anthracene | 21.88 | 228 | 137644 | 20.00 | ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.77 | 149 | 106497 | 20.00 | ng/ul | 100 |
| 85) Chrysene | 21.95 | 228 | 127218 | 20.00 | ng/ul | 100 |
| 87) Di-n-octyl phthalate | 23.05 | 149 | 175557 | 20.00 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 24.21 | 252 | 132389 | 20.00 | ng/ul | 100 |
| 89) Benzo(k)fluoranthene | 24.28 | 252 | 125890 | 20.00 | ng/ul | 100 |
| 91) Benzo(a)pyrene | 25.13 | 252 | 123654 | 20.00 | ng/ul | 100 |
| 92) Indeno(1,2,3-cd)pyrene | 29.17 | 276 | 143892 | 20.00 | ng/ul | 100 |
| 93) Dibenzo(a,h)anthracene | 29.23 | 278 | 118143 | 20.00 | ng/ul | 100 |
| 94) Benzo(g,h,i)perylene | 30.38 | 276 | 116060 | 20.00 | ng/ul | 100 |

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

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