Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082815\
Data File : BG018519.D
Acq On : 28 Aug 2015 19:04
Operator : UM/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD02016

**Manual Integrations APPROVED**
MMDadoda
8/31/2015 1:47:31 PM

Quant Time: Aug 31 03:19:54 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 31 01:58:19 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 86300 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.81 | 136 | 407881 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.64 | 164 | 262676 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.38 | 188 | 681956 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.64 | 240 | 699784 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.83 | 264 | 707011 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.45 | 96 | 13958 | 7.15 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.17 | 99 | 163820 | 20.91 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.34 | 67 | 97787 | 20.15 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.54 | 132 | 118771 | 19.80 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.71 | 113 | 137654 | 20.92 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.17 | 128 | 65409 | 20.57 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.89 | 143 | 64526 | 19.93 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.43 | 165 | 145003 | 21.10 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.94 | 131 | 189893 | 24.45 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.04 | 166 | 449714 | 20.35 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.33 | 160 | 572015 | 20.55 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.83 | 143 | 86650 | 21.80 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.63 | 176 | 407236 | 21.16 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.74 | 200 | 61765 | 18.41 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.48 | 188 | 652622 | 20.01 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.76 | 212 | 724973 | 19.97 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.62 | 264 | 753325 | 20.07 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.48 | 88 | 15420 | 7.38 | ng/uL# | 78 |
| 4) Benzaldehyde | 7.15 | 77 | 107194 | 23.33 | ng/ul | 96 |
| 6) Phenol | 7.19 | 94 | 168555 | 21.10 | ng/ul | 93 |
| 8) Bis(2-Chloroethyl)ether | 7.43 | 93 | 128091 | 20.84 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.57 | 128 | 124140 | 20.30 | ng/ul | 93 |
| 11) 2-Methylphenol | 8.45 | 108 | 129608 | 20.92 | ng/ul | 96 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.55 | 45 | 165180 | 16.74 | ng/ul# | 92 |
| 14) Acetophenone | 8.83 | 105 | 208517 | 21.94 | ng/ul# | 92 |
| 15) N-Nitroso-di-n-propylamine | 8.82 | 70 | 111729 | 20.48 | ng/ul | 90 |
| 16) 4-Methylphenol | 8.77 | 108 | 141412 | 20.92 | ng/ul | 98 |
| 17) Hexachloroethane | 9.10 | 117 | 49025 | 18.61 | ng/ul | 94 |
| 20) Nitrobenzene | 9.21 | 77 | 156890 | 19.55 | ng/ul | 91 |
| 21) Isophorone | 9.73 | 82 | 310169 | 20.10 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.93 | 139 | 71053 | 19.76 | ng/ul# | 87 |
| 24) 2,4-Dimethylphenol | 9.98 | 107 | 153652 | 19.07 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 10.21 | 93 | 189794 | 19.73 | ng/ul | 94 |
| 27) 2,4-Dichlorophenol | 10.46 | 162 | 136499 | 21.20 | ng/ul | 95 |
| 28) Naphthalene | 10.87 | 128 | 437121 | 20.27 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.97 | 127 | 189828 | 24.03 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 11.15 | 225 | 77934 | 19.17 | ng/ul | 91 |
| 32) Caprolactam | 11.71 | 113 | 57756m | 22.27 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.09 | 107 | 151916 | 20.36 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.47 | 142 | 323020 | 20.69 | ng/ul | 92 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.69 | 142 | 321887 | 21.11 | ng/ul | 100 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 167306 | 19.86 | ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.82 | 237 | 76244 | 15.21 | ng/ul | 99 |
| 39) 2,4,6-Trichlorophenol | 13.07 | 196 | 111561 | 19.44 | ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 13.14 | 196 | 122590 | 19.87 | ng/ul | 99 |
| 41) 1,1'-Biphenyl | 13.48 | 154 | 438210 | 19.99 | ng/ul | 97 |
| 42) 2-Chloronaphthalene | 13.52 | 162 | 336463 | 19.76 | ng/ul | 97 |
| 43) 2-Nitroaniline | 13.71 | 65 | 107168 | 19.49 | ng/ul | 91 |
| 45) Dimethylphthalate | 14.09 | 163 | 439275 | 20.15 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 14.20 | 165 | 92770 | 21.37 | ng/ul | 97 |
| 48) Acenaphthylene | 14.36 | 152 | 580164 | 20.79 | ng/ul | 97 |
| 49) 3-Nitroaniline | 14.53 | 138 | 108659 | 24.54 | ng/ul# | 90 |
| 50) Acenaphthene | 14.70 | 153 | 403268 | 20.59 | ng/ul | 97 |
| 51) 2,4-Dinitrophenol | 14.74 | 184 | 38207 | 18.04 | ng/ul | 90 |
| 53) 4-Nitrophenol | 14.84 | 109 | 66535 | 19.25 | ng/ul | 95 |
| 54) Dibenzofuran | 15.03 | 168 | 539548 | 21.09 | ng/ul | 98 |
| 55) 2,4-Dinitrotoluene | 14.99 | 165 | 136973 | 22.10 | ng/ul | 96 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.26 | 232 | 111321 | 20.71 | ng/ul# | 93 |
| 57) Diethylphthalate | 15.45 | 149 | 468706 | 20.24 | ng/ul | 99 |
| 59) Fluorene | 15.68 | 166 | 467520 | 21.24 | ng/ul | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.67 | 204 | 215860 | 20.72 | ng/ul | 96 |
| 61) 4-Nitroaniline | 15.70 | 138 | 117869 | 24.10 | ng/ul | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 15.75 | 198 | 66427 | 18.57 | ng/ul | 98 |
| 65) N-Nitrosodiphenylamine | 15.88 | 169 | 397910 | 19.39 | ng/ul | 96 |
| 66) 4-Bromophenyl-phenylether | 16.57 | 248 | 139815 | 18.96 | ng/ul | 96 |
| 67) Hexachlorobenzene | 16.69 | 284 | 154318 | 19.78 | ng/ul | 96 |
| 68) Atrazine | 16.83 | 200 | 164264 | 21.39 | ng/ul | 98 |
| 69) Pentachlorophenol | 17.03 | 266 | 91870 | 17.59 | ng/ul | 93 |
| 70) Phenanthrene | 17.42 | 178 | 757394 | 20.47 | ng/ul | 99 |
| 72) Anthracene | 17.51 | 178 | 789714 | 20.94 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.44 | 216 | 175656 | 18.62 | ng/uL | 99 |
| 74) Pentachlorobenzene | 14.96 | 250 | 168414 | 18.69 | ng/uL | 98 |
| 75) Carbazole | 17.78 | 167 | 745713 | 22.56 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 18.34 | 149 | 894227 | 20.71 | ng/ul | 99 |
| 77) Fluoranthene | 19.43 | 202 | 929799 | 23.53 | ng/ul | 99 |
| 80) Pyrene | 19.79 | 202 | 937094 | 19.81 | ng/ul | 100 |
| 81) Butylbenzylphthalate | 20.67 | 149 | 380732 | 19.02 | ng/ul | 94 |
| 82) 3,3'-Dichlorobenzidine | 21.54 | 252 | 300283 | 20.66 | ng/ul | 96 |
| 83) Benzo(a)anthracene | 21.62 | 228 | 858839 | 19.79 | ng/ul | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 21.53 | 149 | 549803 | 19.44 | ng/ul | 100 |
| 85) Chrysene | 21.68 | 228 | 793898 | 19.57 | ng/ul | 100 |
| 87) Di-n-octyl phthalate | 22.73 | 149 | 943166 | 20.68 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 23.82 | 252 | 869796 | 19.58 | ng/ul | 100 |
| 89) Benzo(k)fluoranthene | 23.89 | 252 | 853209 | 19.95 | ng/ul | 100 |
| 91) Benzo(a)pyrene | 24.69 | 252 | 836221 | 19.80 | ng/ul | 98 |
| 92) Indeno(1,2,3-cd)pyrene | 28.46 | 276 | 966828 | 19.78 | ng/ul | 97 |
| 93) Dibenzo(a,h)anthracene | 28.54 | 278 | 787137 | 19.39 | ng/ul | 98 |
| 94) Benzo(g,h,i)perylene | 29.62 | 276 | 810874 | 19.76 | ng/ul | 99 |

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

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

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