Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004262.D
Acq On : 15 Feb 2016 16:53
Operator : SJ/UM
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02035

**Manual Integrations APPROVED**
UMANGI
2/16/2016 4:14:54 PM

Quant Time: Feb 16 07:53:49 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 16 00:58:01 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.65 | 152 | 26903 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.43 | 136 | 118957 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.30 | 164 | 67395 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.06 | 188 | 139157 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.27 | 240 | 138157 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.50 | 264 | 137642 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.10 | 96 | 4169 | 7.81 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.83 | 99 | 41746 | 19.32 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.98 | 67 | 22073 | 18.91 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.18 | 132 | 36740 | 19.17 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.36 | 113 | 35973 | 19.54 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.80 | 128 | 17615 | 19.26 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.52 | 143 | 19651 | 19.22 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.06 | 165 | 36169 | 19.62 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.57 | 131 | 47152 | 21.48 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.72 | 166 | 106616 | 19.01 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.99 | 160 | 134359 | 19.72 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.53 | 143 | 15845 | 17.46 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.30 | 176 | 91591 | 19.38 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 14813 | 17.48 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.16 | 188 | 132129 | 19.42 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.46 | 212 | 135814 | 18.52 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.36 | 264 | 140827 | 19.17 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.14 | 88 | 4788 | 7.66 | ng/uL# | 91 |
| 4) Benzaldehyde | 6.79 | 77 | 26832 | 21.54 | ng/ul | 98 |
| 6) Phenol | 6.85 | 94 | 44129 | 19.17 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 7.07 | 93 | 33665 | 19.17 | ng/ul | 97 |
| 10) 2-Chlorophenol | 7.21 | 128 | 38392 | 19.27 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.10 | 108 | 34750 | 19.16 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.18 | 45 | 32052 | 18.71 | ng/ul | 99 |
| 14) Acetophenone | 8.47 | 105 | 58468 | 19.93 | ng/ul | 98 |
| 15) N-Nitroso-di-n-propylamine | 8.45 | 70 | 27204 | 19.23 | ng/ul | 97 |
| 16) 4-Methylphenol | 8.42 | 108 | 38930 | 19.64 | ng/ul | 98 |
| 17) Hexachloroethane | 8.71 | 117 | 14977 | 18.88 | ng/ul | 96 |
| 20) Nitrobenzene | 8.85 | 77 | 39851 | 19.14 | ng/ul | 96 |
| 21) Isophorone | 9.36 | 82 | 75441 | 18.92 | ng/ul | 97 |
| 23) 2-Nitrophenol | 9.55 | 139 | 22488 | 19.57 | ng/ul | 97 |
| 24) 2,4-Dimethylphenol | 9.62 | 107 | 44502 | 19.30 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.85 | 93 | 47235 | 19.22 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.09 | 162 | 37820 | 19.72 | ng/ul | 99 |
| 28) Naphthalene | 10.48 | 128 | 129404 | 19.56 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.60 | 127 | 49632 | 21.31 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.76 | 225 | 25304 | 19.59 | ng/ul | 100 |
| 32) Caprolactam | 11.35 | 113 | 9981 | 18.01 | ng/ul | 92 |
| 33) 4-Chloro-3-methylphenol | 11.74 | 107 | 40260 | 18.93 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.10 | 142 | 93685 | 19.63 | ng/ul | 98 |

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 16 00:58:01 2016
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.33 | 142 | 87972 | 19.50 | ng/ul | 100 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.48 | 216 | 47053 | 19.94 | ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 12.46 | 237 | 16363 | 14.68 | ng/ul | 100 |
| 39) 2,4,6-Trichlorophenol | 12.73 | 196 | 28850 | 19.34 | ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 12.80 | 196 | 31104 | 19.36 | ng/ul | 99 |
| 41) 1,1'-Biphenyl | 13.13 | 154 | 119640 | 19.86 | ng/ul | 99 |
| 42) 2-Chloronaphthalene | 13.17 | 162 | 90122 | 19.67 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.39 | 65 | 21125 | 18.91 | ng/ul | 100 |
| 45) Dimethylphthalate | 13.76 | 163 | 111204 | 18.98 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 13.89 | 165 | 22080 | 19.11 | ng/ul | 99 |
| 48) Acenaphthylene | 14.02 | 152 | 146058 | 19.63 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.22 | 138 | 21669 | 19.77 | ng/ul | 97 |
| 50) Acenaphthene | 14.37 | 153 | 98798 | 19.60 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.44 | 184 | 8538 | 15.30 | ng/ul | 94 |
| 53) 4-Nitrophenol | 14.54 | 109 | 12733 | 17.55 | ng/ul | 96 |
| 54) Dibenzofuran | 14.70 | 168 | 136642 | 19.61 | ng/ul | 99 |
| 55) 2,4-Dinitrotoluene | 14.69 | 165 | 32190 | 19.38 | ng/ul | 98 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.94 | 232 | 24634 | 18.95 | ng/ul | 99 |
| 57) Diethylphthalate | 15.13 | 149 | 110719 | 18.81 | ng/ul | 100 |
| 59) Fluorene | 15.36 | 166 | 109556 | 19.52 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.35 | 204 | 54003 | 19.39 | ng/ul | 97 |
| 61) 4-Nitroaniline | 15.39 | 138 | 23217m | 19.00 | ng/ul | |
| 64) 4,6-Dinitro-2-methylphenol | 15.46 | 198 | 16441 | 17.81 | ng/ul | 97 |
| 65) N-Nitrosodiphenylamine | 15.57 | 169 | 91409 | 19.47 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.25 | 248 | 31275 | 19.40 | ng/ul | 92 |
| 67) Hexachlorobenzene | 16.37 | 284 | 35042 | 19.34 | ng/ul | 95 |
| 68) Atrazine | 16.53 | 200 | 31145 | 19.22 | ng/ul | 98 |
| 69) Pentachlorophenol | 16.72 | 266 | 14249 | 16.98 | ng/ul | 99 |
| 70) Phenanthrene | 17.10 | 178 | 164339 | 19.53 | ng/ul | 99 |
| 72) Anthracene | 17.19 | 178 | 166936 | 19.54 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.10 | 216 | 43487 | 20.10 | ng/uL | 99 |
| 74) Pentachlorobenzene | 14.63 | 250 | 42444 | 19.96 | ng/uL | 100 |
| 75) Carbazole | 17.47 | 167 | 141505 | 19.70 | ng/ul | 100 |
| 76) Di-n-butylphthalate | 18.03 | 149 | 174526 | 18.76 | ng/ul | 99 |
| 77) Fluoranthene | 19.13 | 202 | 176637 | 20.04 | ng/ul | 99 |
| 80) Pyrene | 19.49 | 202 | 184116 | 18.43 | ng/ul | 100 |
| 81) Butylbenzylphthalate | 20.40 | 149 | 74244 | 18.56 | ng/ul | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.19 | 252 | 56965 | 20.44 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.26 | 228 | 174629 | 19.63 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 111166 | 19.00 | ng/ul | 99 |
| 85) Chrysene | 21.31 | 228 | 166607 | 19.84 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 22.06 | 149 | 194101 | 18.49 | ng/ul | 97 |
| 88) Benzo(b)fluoranthene | 22.83 | 252 | 172146 | 18.91 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.87 | 252 | 166863 | 19.19 | ng/ul | 100 |
| 91) Benzo(a)pyrene | 23.40 | 252 | 167074 | 19.30 | ng/ul | 100 |
| 92) Indeno(1,2,3-cd)pyrene | 25.74 | 276 | 190649 | 19.44 | ng/ul | 98 |
| 93) Dibenzo(a,h)anthracene | 25.75 | 278 | 159246 | 19.34 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 26.43 | 276 | 159892 | 19.30 | ng/ul | 97 |

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

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

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