Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021916\
Data File : BM004289.D
Acq On : 19 Feb 2016 17:38
Operator : SJ/UM
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02039

**Manual Integrations APPROVED**
UMANGI
2/22/2016 11:00:13 AM

Quant Time: Feb 19 23:50:09 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 19 23:29:57 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.63 | 152 | 23320 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.42 | 136 | 118589 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.29 | 164 | 79001 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.05 | 188 | 190934 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.26 | 240 | 223607 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.49 | 264 | 215030 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.09 | 96 | 3510 | 7.58 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.82 | 99 | 40860 | 21.81 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.97 | 67 | 21169 | 20.93 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.17 | 132 | 34615 | 20.84 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.36 | 113 | 37147 | 23.28 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.79 | 128 | 18127 | 19.88 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.51 | 143 | 21083 | 20.68 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.06 | 165 | 37862 | 20.60 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.57 | 131 | 51943 | 23.74 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.70 | 166 | 136826 | 20.81 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.99 | 160 | 161091 | 20.17 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.54 | 143 | 21499 | 20.21 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.29 | 176 | 117969 | 21.29 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 21768 | 18.72 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.15 | 188 | 189686 | 20.32 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.45 | 212 | 216103 | 18.21 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.34 | 264 | 227757 | 19.85 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.12 | 88 | 3925 | 7.25 | ng/uL# | 93 |
| 4) Benzaldehyde | 6.78 | 77 | 25508 | 23.63 | ng/ul | 99 |
| 6) Phenol | 6.85 | 94 | 44127 | 22.12 | ng/ul | 97 |
| 8) Bis(2-Chloroethyl)ether | 7.06 | 93 | 32869 | 21.59 | ng/ul | 97 |
| 10) 2-Chlorophenol | 7.20 | 128 | 36265 | 21.00 | ng/ul | 98 |
| 11) 2-Methylphenol | 8.09 | 108 | 35540 | 22.61 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.17 | 45 | 31457 | 21.19 | ng/ul | 97 |
| 14) Acetophenone | 8.46 | 105 | 60422 | 23.76 | ng/ul | 98 |
| 15) N-Nitroso-di-n-propylamine | 8.44 | 70 | 28767 | 23.46 | ng/ul | 96 |
| 16) 4-Methylphenol | 8.42 | 108 | 40265 | 23.43 | ng/ul | 98 |
| 17) Hexachloroethane | 8.70 | 117 | 13476 | 19.59 | ng/ul | 91 |
| 20) Nitrobenzene | 8.83 | 77 | 40073 | 19.31 | ng/ul | 97 |
| 21) Isophorone | 9.35 | 82 | 83913 | 21.11 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.55 | 139 | 23731 | 20.72 | ng/ul | 93 |
| 24) 2,4-Dimethylphenol | 9.62 | 107 | 47632 | 20.72 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.84 | 93 | 49665 | 20.27 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.08 | 162 | 40347 | 21.10 | ng/ul | 99 |
| 28) Naphthalene | 10.47 | 128 | 132723 | 20.12 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.59 | 127 | 55614 | 23.95 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.75 | 225 | 24173 | 18.78 | ng/ul | 99 |
| 32) Caprolactam | 11.35 | 113 | 14396m | 26.06 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.74 | 107 | 48290 | 22.77 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.09 | 142 | 101631 | 21.36 | ng/ul | 99 |

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Quant Title : SVOA CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.32 | 142 | 96167 | 21.38 | ng/ul | 100 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.47 | 216 | 51417 | 18.59 | ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.44 | 237 | 18400 | 14.08 | ng/ul | 99 |
| 39) 2,4,6-Trichlorophenol | 12.72 | 196 | 34262 | 19.59 | ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 12.80 | 196 | 37740 | 20.04 | ng/ul | 100 |
| 41) 1,1'-Biphenyl | 13.12 | 154 | 136020 | 19.26 | ng/ul | 98 |
| 42) 2-Chloronaphthalene | 13.16 | 162 | 103001 | 19.18 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.38 | 65 | 27488 | 20.99 | ng/ul | 97 |
| 45) Dimethylphthalate | 13.76 | 163 | 143226 | 20.86 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 13.89 | 165 | 29595 | 21.85 | ng/ul | 97 |
| 48) Acenaphthylene | 14.02 | 152 | 174873 | 20.05 | ng/ul | 100 |
| 49) 3-Nitroaniline | 14.22 | 138 | 31053 | 24.17 | ng/ul | 98 |
| 50) Acenaphthene | 14.36 | 153 | 119079 | 20.15 | ng/ul | 98 |
| 51) 2,4-Dinitrophenol | 14.44 | 184 | 10129 | 15.48 | ng/ul | 96 |
| 53) 4-Nitrophenol | 14.56 | 109 | 16097 | 18.92 | ng/ul | 97 |
| 54) Dibenzofuran | 14.69 | 168 | 167887 | 20.56 | ng/ul | 98 |
| 55) 2,4-Dinitrotoluene | 14.68 | 165 | 44633 | 22.92 | ng/ul | 96 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.93 | 232 | 30547 | 20.05 | ng/ul | 98 |
| 57) Diethylphthalate | 15.12 | 149 | 149162 | 21.62 | ng/ul | 100 |
| 59) Fluorene | 15.35 | 166 | 139635 | 21.22 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.34 | 204 | 68616 | 21.01 | ng/ul | 96 |
| 61) 4-Nitroaniline | 15.39 | 138 | 32241 | 22.51 | ng/ul | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 15.45 | 198 | 23625 | 18.65 | ng/ul# | 97 |
| 65) N-Nitrosodiphenylamine | 15.56 | 169 | 122217 | 18.97 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.23 | 248 | 41588 | 18.81 | ng/ul | 95 |
| 67) Hexachlorobenzene | 16.36 | 284 | 45658 | 18.37 | ng/ul | 97 |
| 68) Atrazine | 16.52 | 200 | 46815 | 21.06 | ng/ul | 99 |
| 69) Pentachlorophenol | 16.71 | 266 | 15073 | 13.09 | ng/ul | 98 |
| 70) Phenanthrene | 17.09 | 178 | 231315 | 20.03 | ng/ul | 99 |
| 72) Anthracene | 17.18 | 178 | 237275 | 20.24 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.09 | 216 | 48992 | 16.50 | ng/uL | 99 |
| 74) Pentachlorobenzene | 14.62 | 250 | 50611 | 17.35 | ng/uL | 99 |
| 75) Carbazole | 17.46 | 167 | 213370 | 21.65 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 18.02 | 149 | 269869 | 21.15 | ng/ul | 99 |
| 77) Fluoranthene | 19.12 | 202 | 277418 | 22.94 | ng/ul | 100 |
| 80) Pyrene | 19.49 | 202 | 292789 | 18.11 | ng/ul | 98 |
| 81) Butylbenzylphthalate | 20.39 | 149 | 129942 | 20.07 | ng/ul | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.18 | 252 | 97076 | 21.52 | ng/ul | 98 |
| 83) Benzo(a)anthracene | 21.24 | 228 | 289093 | 20.08 | ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.16 | 149 | 192009 | 20.27 | ng/ul | 99 |
| 85) Chrysene | 21.30 | 228 | 280918 | 20.67 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 22.04 | 149 | 343756 | 20.96 | ng/ul | 97 |
| 88) Benzo(b)fluoranthene | 22.82 | 252 | 291074 | 20.46 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.86 | 252 | 275249 | 20.26 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.39 | 252 | 272928 | 20.18 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 25.73 | 276 | 273504 | 17.85 | ng/ul | 100 |
| 93) Dibenzo(a,h)anthracene | 25.73 | 278 | 227410 | 17.68 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 26.42 | 276 | 228454 | 17.65 | ng/ul | 100 |

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

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

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