Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031616\
Data File : BM004629.D
Acq On : 16 Mar 2016 10:48
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02051

Quant Time: Mar 17 00:54:48 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 16 07:32:20 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.85 | 152 | 68866 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.63 | 136 | 291754 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.47 | 164 | 161633 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.22 | 188 | 357301 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.40 | 240 | 415979 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.70 | 264 | 414848 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.33 | 96 | 16133 | 8.08 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.00 | 99 | 116528 | 20.59 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.17 | 67 | 65949 | 20.56 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.37 | 132 | 92959 | 20.41 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.54 | 113 | 89573 | 19.64 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.00 | 128 | 39199 | 19.32 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.72 | 143 | 42031 | 19.18 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.25 | 165 | 86281 | 20.07 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.77 | 131 | 116585 | 22.66 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.89 | 166 | 245152 | 19.40 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.17 | 160 | 316219 | 20.41 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.66 | 143 | 44544 | 18.24 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.47 | 176 | 220943 | 20.06 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 31622 | 16.84 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.32 | 188 | 337756 | 20.53 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.61 | 212 | 379474 | 19.98 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.55 | 264 | 373090 | 20.14 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.37 | 88 | 19140 | 8.22 | ng/uL | 92 |
| 4) Benzaldehyde | 6.99 | 77 | 65144 | 20.76 | ng/ul | 99 |
| 6) Phenol | 7.03 | 94 | 123644 | 20.77 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 7.27 | 93 | 96381 | 20.80 | ng/ul | 96 |
| 10) 2-Chlorophenol | 7.40 | 128 | 98099 | 20.40 | ng/ul | 95 |
| 11) 2-Methylphenol | 8.27 | 108 | 90823 | 19.85 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.37 | 45 | 112663 | 20.32 | ng/ul# | 91 |
| 14) Acetophenone | 8.66 | 105 | 146045 | 20.52 | ng/ul | 97 |
| 15) N-Nitroso-di-n-propylamine | 8.65 | 70 | 68459 | 18.93 | ng/ul | 94 |
| 16) 4-Methylphenol | 8.60 | 108 | 101325 | 20.11 | ng/ul | 98 |
| 17) Hexachloroethane | 8.92 | 117 | 37198 | 19.47 | ng/ul | 97 |
| 20) Nitrobenzene | 9.04 | 77 | 102052 | 20.38 | ng/ul | 96 |
| 21) Isophorone | 9.56 | 82 | 185576 | 19.35 | ng/ul | 98 |
| 23) 2-Nitrophenol | 9.75 | 139 | 48259 | 19.88 | ng/ul | 95 |
| 24) 2,4-Dimethylphenol | 9.80 | 107 | 107570 | 20.23 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 10.05 | 93 | 123208 | 19.91 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.28 | 162 | 89493 | 20.21 | ng/ul | 99 |
| 28) Naphthalene | 10.69 | 128 | 310256 | 20.39 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.79 | 127 | 123610 | 22.87 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.97 | 225 | 54151 | 20.49 | ng/ul | 98 |
| 32) Caprolactam | 11.55 | 113 | 26194 | 17.66 | ng/ul | 82 |
| 33) 4-Chloro-3-methylphenol | 11.91 | 107 | 95075 | 18.97 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.30 | 142 | 218302 | 20.15 | ng/ul | 100 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.52 | 142 | 209836 | 20.16 | ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.66 | 216 | 107133 | 20.75 | ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.65 | 237 | 51866 | 18.55 | ng/ul | 98 |
| 39) 2,4,6-Trichlorophenol | 12.90 | 196 | 66861 | 19.61 | ng/ul | 100 |
| 40) 2,4,5-Trichlorophenol | 12.97 | 196 | 72780 | 19.78 | ng/ul | 99 |
| 41) 1,1'-Biphenyl | 13.31 | 154 | 276073 | 20.45 | ng/ul | 98 |
| 42) 2-Chloronaphthalene | 13.35 | 162 | 208920 | 20.58 | ng/ul | 97 |
| 43) 2-Nitroaniline | 13.55 | 65 | 50243 | 18.38 | ng/ul | 91 |
| 45) Dimethylphthalate | 13.93 | 163 | 253580 | 19.77 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 14.05 | 165 | 43912 | 19.23 | ng/ul | 89 |
| 48) Acenaphthylene | 14.20 | 152 | 339513 | 20.40 | ng/ul | 100 |
| 49) 3-Nitroaniline | 14.38 | 138 | 50567 | 20.50 | ng/ul | 93 |
| 50) Acenaphthene | 14.54 | 153 | 228635 | 20.40 | ng/ul | 100 |
| 51) 2,4-Dinitrophenol | 14.58 | 184 | 19579 | 15.06 | ng/ul | 91 |
| 53) 4-Nitrophenol | 14.68 | 109 | 37665 | 19.02 | ng/ul | 93 |
| 54) Dibenzofuran | 14.87 | 168 | 323670 | 20.29 | ng/ul | 96 |
| 55) 2,4-Dinitrotoluene | 14.84 | 165 | 67017 | 19.46 | ng/ul | 94 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.10 | 232 | 62434 | 19.27 | ng/ul | 97 |
| 57) Diethylphthalate | 15.30 | 149 | 251653 | 19.26 | ng/ul | 100 |
| 59) Fluorene | 15.53 | 166 | 261026 | 20.49 | ng/ul | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.52 | 204 | 122828 | 20.22 | ng/ul | 93 |
| 61) 4-Nitroaniline | 15.54 | 138 | 54694 | 20.61 | ng/ul | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.60 | 198 | 35577 | 17.44 | ng/ul# | 97 |
| 65) N-Nitrosodiphenylamine | 15.73 | 169 | 221300 | 20.45 | ng/ul | 100 |
| 66) 4-Bromophenyl-phenylether | 16.42 | 248 | 72942 | 20.27 | ng/ul | 93 |
| 67) Hexachlorobenzene | 16.53 | 284 | 82324 | 20.38 | ng/ul | 94 |
| 68) Atrazine | 16.68 | 200 | 75620 | 19.77 | ng/ul | 98 |
| 69) Pentachlorophenol | 16.87 | 266 | 48755 | 18.61 | ng/ul | 98 |
| 70) Phenanthrene | 17.26 | 178 | 418170 | 20.48 | ng/ul | 99 |
| 72) Anthracene | 17.35 | 178 | 426829 | 20.76 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.27 | 216 | 103569 | 21.07 | ng/uL | 99 |
| 74) Pentachlorobenzene | 14.79 | 250 | 98544 | 20.77 | ng/uL | 99 |
| 75) Carbazole | 17.62 | 167 | 391329 | 21.29 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 18.19 | 149 | 411058 | 15.77 | ng/ul | 100 |
| 77) Fluoranthene | 19.27 | 202 | 478331 | 21.22 | ng/ul | 98 |
| 80) Pyrene | 19.64 | 202 | 513604 | 20.37 | ng/ul | 98 |
| 81) Butylbenzylphthalate | 20.54 | 149 | 183601 | 18.21 | ng/ul | 93 |
| 82) 3,3'-Dichlorobenzidine | 21.32 | 252 | 144810 | 22.54 | ng/ul | 98 |
| 83) Benzo(a)anthracene | 21.39 | 228 | 496604 | 20.45 | ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 280066 | 19.54 | ng/ul# | 98 |
| 85) Chrysene | 21.44 | 228 | 473052 | 20.40 | ng/ul | 100 |
| 87) Di-n-octyl phthalate | 22.22 | 149 | 494622 | 19.95 | ng/ul | 97 |
| 88) Benzo(b)fluoranthene | 23.01 | 252 | 482884 | 19.52 | ng/ul | 100 |
| 89) Benzo(k)fluoranthene | 23.05 | 252 | 490089 | 20.84 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.60 | 252 | 479592 | 20.23 | ng/ul | 100 |
| 92) Indeno(1,2,3-cd)pyrene | 26.03 | 276 | 533625 | 20.02 | ng/ul | 99 |
| 93) Dibenzo(a,h)anthracene | 26.04 | 278 | 441736 | 20.03 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 26.74 | 276 | 446022 | 19.76 | ng/ul | 99 |

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

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