Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM073015\
Data File : BM002146.D
Acq On : 30 Jul 2015 21:38
Operator : TP/UM
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02088

Quant Time: Jul 31 05:37:56 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 05:01:46 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.60 | 152 | 67135 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.39 | 136 | 294264 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.27 | 164 | 187179 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.02 | 188 | 431987 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.22 | 240 | 398839 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.43 | 264 | 331243 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.06 | 96 | 8166 | 6.29 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.79 | 99 | 94540 | 19.70 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.94 | 67 | 48919 | 18.43 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.13 | 132 | 80440 | 19.77 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.32 | 113 | 80278 | 21.04 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.76 | 128 | 39306 | 18.79 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.48 | 143 | 45000 | 19.36 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.02 | 165 | 90547 | 20.23 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.53 | 131 | 104681 | 21.28 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.68 | 166 | 259598 | 18.93 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.96 | 160 | 324832 | 18.95 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.50 | 143 | 39722 | 17.36 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.26 | 176 | 233200 | 19.33 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 26466 | 10.02 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.12 | 188 | 363813 | 18.87 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.42 | 212 | 369809 | 22.02 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.29 | 264 | 306393 | 19.08 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.09 | 88 | 8653 | 6.25 | ng/uL | 99 |
| 4) Benzaldehyde | 6.75 | 77 | 51378 | 20.17 | ng/ul | 100 |
| 6) Phenol | 6.82 | 94 | 96474 | 19.66 | ng/ul | 97 |
| 8) Bis(2-Chloroethyl)ether | 7.03 | 93 | 69252 | 18.76 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.17 | 128 | 79771 | 19.56 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.06 | 108 | 76508 | 20.59 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.13 | 45 | 69083 | 18.27 | ng/ul | 97 |
| 14) Acetophenone | 8.43 | 105 | 126477 | 20.94 | ng/ul | 97 |
| 15) N-Nitroso-di-n-propylamine | 8.40 | 70 | 61984 | 21.18 | ng/ul | 98 |
| 16) 4-Methylphenol | 8.39 | 108 | 84499 | 21.16 | ng/ul | 98 |
| 17) Hexachloroethane | 8.66 | 117 | 27832 | 16.69 | ng/ul | 97 |
| 20) Nitrobenzene | 8.80 | 77 | 89482 | 18.23 | ng/ul | 97 |
| 21) Isophorone | 9.32 | 82 | 169552 | 19.37 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.51 | 139 | 47388 | 18.66 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 9.58 | 107 | 95525 | 19.16 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.81 | 93 | 99118 | 18.60 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.05 | 162 | 86338 | 19.90 | ng/ul | 96 |
| 28) Naphthalene | 10.44 | 128 | 259892 | 18.59 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.56 | 127 | 108932 | 21.28 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.71 | 225 | 60564 | 18.67 | ng/ul | 96 |
| 32) Caprolactam | 11.33 | 113 | 26174 | 21.55 | ng/ul | 94 |
| 33) 4-Chloro-3-methylphenol | 11.70 | 107 | 90639 | 21.04 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.06 | 142 | 199154 | 19.58 | ng/ul | 97 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.29 | 142 | 194202 | 19.86 | ng/ul | 99 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.44 | 216 | 119558 | 18.36 | ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 12.40 | 237 | 22282 | 6.01 | ng/ul | 99 |
| 39) 2,4,6-Trichlorophenol | 12.69 | 196 | 75355 | 19.72 | ng/ul | 96 |
| 40) 2,4,5-Trichlorophenol | 12.77 | 196 | 81169 | 19.66 | ng/ul | 98 |
| 41) 1,1'-Biphenyl | 13.09 | 154 | 262439 | 18.19 | ng/ul | 98 |
| 42) 2-Chloronaphthalene | 13.13 | 162 | 206706 | 18.43 | ng/ul | 98 |
| 43) 2-Nitroaniline | 13.35 | 65 | 54708 | 19.58 | ng/ul | 96 |
| 45) Dimethylphthalate | 13.73 | 163 | 256621 | 18.75 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 13.86 | 165 | 55449 | 19.91 | ng/ul | 98 |
| 48) Acenaphthylene | 13.99 | 152 | 334843 | 18.93 | ng/ul | 100 |
| 49) 3-Nitroaniline | 14.19 | 138 | 54131 | 21.84 | ng/ul | 96 |
| 50) Acenaphthene | 14.33 | 153 | 217075 | 18.72 | ng/ul | 98 |
| 51) 2,4-Dinitrophenol | 14.42 | 184 | 11216 | 6.84 | ng/ul | 95 |
| 53) 4-Nitrophenol | 14.52 | 109 | 35053 | 18.39 | ng/ul | 93 |
| 54) Dibenzofuran | 14.67 | 168 | 317143 | 19.07 | ng/ul | 100 |
| 55) 2,4-Dinitrotoluene | 14.66 | 165 | 80475 | 20.11 | ng/ul | 91 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.90 | 232 | 66042 | 19.03 | ng/ul | 100 |
| 57) Diethylphthalate | 15.09 | 149 | 255517 | 18.93 | ng/ul | 99 |
| 59) Fluorene | 15.32 | 166 | 264483 | 19.24 | ng/ul | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.32 | 204 | 138994 | 18.91 | ng/ul | 97 |
| 61) 4-Nitroaniline | 15.36 | 138 | 59272 | 22.43 | ng/ul | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.43 | 198 | 27117 | 9.78 | ng/ul | 98 |
| 65) N-Nitrosodiphenylamine | 15.53 | 169 | 230473 | 18.66 | ng/ul | 97 |
| 66) 4-Bromophenyl-phenylether | 16.21 | 248 | 86752 | 18.88 | ng/ul | 97 |
| 67) Hexachlorobenzene | 16.33 | 284 | 96417 | 19.18 | ng/ul | 99 |
| 68) Atrazine | 16.49 | 200 | 90082 | 18.91 | ng/ul | 98 |
| 69) Pentachlorophenol | 16.68 | 266 | 34917 | 13.54 | ng/ul | 99 |
| 70) Phenanthrene | 17.06 | 178 | 416137 | 18.60 | ng/ul | 100 |
| 72) Anthracene | 17.15 | 178 | 426642 | 18.65 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.06 | 216 | 116555 | 17.78 | ng/uL | 97 |
| 74) Pentachlorobenzene | 14.59 | 250 | 112613 | 18.41 | ng/uL | 98 |
| 75) Carbazole | 17.43 | 167 | 364302 | 18.65 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 17.98 | 149 | 441385 | 18.95 | ng/ul | 99 |
| 77) Fluoranthene | 19.09 | 202 | 466934 | 18.07 | ng/ul | 99 |
| 80) Pyrene | 19.45 | 202 | 470815 | 21.69 | ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.35 | 149 | 189589 | 22.87 | ng/ul | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.14 | 252 | 125154 | 17.72 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.20 | 228 | 419616 | 18.98 | ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 277075 | 21.83 | ng/ul | 100 |
| 85) Chrysene | 21.26 | 228 | 384689 | 18.60 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 21.99 | 149 | 450638 | 23.70 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.76 | 252 | 359195 | 19.30 | ng/ul | 98 |
| 89) Benzo(k)fluoranthene | 22.81 | 252 | 339178 | 18.89 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.33 | 252 | 334308 | 18.61 | ng/ul | 98 |
| 92) Indeno(1,2,3-cd)pyrene | 25.66 | 276 | 361081 | 17.44 | ng/ul | 97 |
| 93) Dibenzo(a,h)anthracene | 25.66 | 278 | 311095 | 17.56 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 26.34 | 276 | 300483 | 17.31 | ng/ul | 97 |

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

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