Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081116\
Data File : BM007029.D
Acq On : 11 Aug 2016 19:34
Operator : UM/SJ
Sample : SSTD02048
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02048

Quant Time: Aug 12 01:30:15 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 01:29:35 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.81 | 152 | 210840 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.60 | 136 | 840050 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.44 | 164 | 518791 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.19 | 188 | 1295170 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.37 | 240 | 1759163 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.64 | 264 | 1894063 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.32 | 96 | 39310 | 9.76 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.97 | 99 | 337761 | 21.19 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.15 | 67 | 198185 | 19.40 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.35 | 132 | 271822 | 21.76 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.51 | 113 | 273265 | 21.02 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.96 | 128 | 127491 | 21.84 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.68 | 143 | 134558 | 19.77 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.22 | 165 | 279225 | 19.93 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.73 | 131 | 348217 | 23.22 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.86 | 166 | 878878 | 20.45 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.13 | 160 | 1072544 | 20.43 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.63 | 143 | 155300 | 16.82 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.43 | 176 | 767243 | 19.45 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.55 | 200 | 135222 | 16.51 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.29 | 188 | 1239111 | 20.03 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.57 | 212 | 1500108 | 17.30 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.50 | 264 | 1773069 | 19.37 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.36 | 88 | 39346 | 8.86 | ng/uL | 100 |
| 4) Benzaldehyde | 6.96 | 77 | 222158 | 21.26 | ng/ul | 100 |
| 6) Phenol | 7.00 | 94 | 357233 | 21.20 | ng/ul | 100 |
| 8) Bis(2-Chloroethyl)ether | 7.24 | 93 | 268993 | 22.30 | ng/ul | 100 |
| 10) 2-Chlorophenol | 7.37 | 128 | 282864 | 22.31 | ng/ul | 100 |
| 11) 2-Methylphenol | 8.25 | 108 | 264936 | 20.40 | ng/ul | 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.35 | 45 | 301323 | 12.74 | ng/ul | 100 |
| 14) Acetophenone | 8.63 | 105 | 433136 | 19.26 | ng/ul | 100 |
| 15) N-Nitroso-di-n-propylamine | 8.62 | 70 | 225187 | 20.34 | ng/ul | 100 |
| 16) 4-Methylphenol | 8.57 | 108 | 286814 | 20.23 | ng/ul | 100 |
| 17) Hexachloroethane | 8.89 | 117 | 115979 | 18.27 | ng/ul | 100 |
| 20) Nitrobenzene | 9.01 | 77 | 322650 | 18.28 | ng/ul | 100 |
| 21) Isophorone | 9.53 | 82 | 602102 | 20.90 | ng/ul | 100 |
| 23) 2-Nitrophenol | 9.72 | 139 | 150133 | 20.82 | ng/ul | 100 |
| 24) 2,4-Dimethylphenol | 9.77 | 107 | 337611 | 19.35 | ng/ul | 100 |
| 25) Bis(2-Chloroethoxy)methane | 10.02 | 93 | 360937 | 22.70 | ng/ul | 100 |
| 27) 2,4-Dichlorophenol | 10.25 | 162 | 279453 | 20.98 | ng/ul | 100 |
| 28) Naphthalene | 10.65 | 128 | 852199 | 20.39 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.76 | 127 | 359698 | 23.40 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 10.93 | 225 | 206269 | 16.97 | ng/ul | 100 |
| 32) Caprolactam | 11.50 | 113 | 91083 | 22.98 | ng/ul | 100 |
| 33) 4-Chloro-3-methylphenol | 11.87 | 107 | 306015 | 20.31 | ng/ul | 100 |
| 34) 2-Methylnaphthalene | 12.26 | 142 | 658482 | 19.73 | ng/ul | 100 |

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|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.63 | 216 | 384982 | 19.07 | ng/ul | 100 |
| 37) Hexachlorocyclopentadiene | 12.61 | 237 | 241547 | 20.44 | ng/ul | 100 |
| 38) 2,4,6-Trichlorophenol | 12.87 | 196 | 245296 | 19.76 | ng/ul | 100 |
| 39) 2,4,5-Trichlorophenol | 12.94 | 196 | 258552 | 21.56 | ng/ul | 100 |
| 40) 1,1'-Biphenyl | 13.27 | 154 | 861934 | 20.27 | ng/ul | 100 |
| 41) 2-Chloronaphthalene | 13.32 | 162 | 673406 | 20.22 | ng/ul | 100 |
| 42) 2-Nitroaniline | 13.52 | 65 | 194525 | 16.75 | ng/ul | 100 |
| 44) Dimethylphthalate | 13.90 | 163 | 878179 | 20.63 | ng/ul | 100 |
| 45) 2,6-Dinitrotoluene | 14.02 | 165 | 171091 | 20.53 | ng/ul | 100 |
| 47) Acenaphthylene | 14.16 | 152 | 1100779 | 20.64 | ng/ul | 100 |
| 48) 3-Nitroaniline | 14.34 | 138 | 178133 | 24.19 | ng/ul | 100 |
| 49) Acenaphthene | 14.51 | 153 | 707348 | 20.36 | ng/ul | 100 |
| 50) 2,4-Dinitrophenol | 14.55 | 184 | 86762 | 17.18 | ng/ul | 100 |
| 52) 4-Nitrophenol | 14.64 | 109 | 158224 | 13.36 | ng/ul | 100 |
| 53) Dibenzofuran | 14.84 | 168 | 1045861 | 19.55 | ng/ul | 100 |
| 54) 2,4-Dinitrotoluene | 14.80 | 165 | 253703 | 19.43 | ng/ul | 100 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.07 | 232 | 246799 | 19.38 | ng/ul | 100 |
| 56) Diethylphthalate | 15.27 | 149 | 904563 | 20.41 | ng/ul | 100 |
| 58) Fluorene | 15.49 | 166 | 853866 | 19.15 | ng/ul | 100 |
| 59) 4-Chlorophenyl-phenylether | 15.49 | 204 | 449325 | 18.08 | ng/ul | 100 |
| 60) 4-Nitroaniline | 15.50 | 138 | 203143 | 25.86 | ng/ul | 100 |
| 63) 4,6-Dinitro-2-methylphenol | 15.56 | 198 | 150976 | 17.67 | ng/ul | 100 |
| 64) N-Nitrosodiphenylamine | 15.70 | 169 | 764821 | 20.60 | ng/ul | 100 |
| 65) 4-Bromophenyl-phenylether | 16.38 | 248 | 297915 | 19.04 | ng/ul | 100 |
| 66) Hexachlorobenzene | 16.49 | 284 | 338506 | 19.88 | ng/ul | 100 |
| 67) Atrazine | 16.65 | 200 | 308535 | 19.50 | ng/ul | 100 |
| 68) Pentachlorophenol | 16.83 | 266 | 202020 | 20.69 | ng/ul | 100 |
| 69) Phenanthrene | 17.23 | 178 | 1426221 | 20.02 | ng/ul | 100 |
| 71) Anthracene | 17.32 | 178 | 1482567 | 20.20 | ng/ul | 100 |
| 72) Carbazole | 17.59 | 167 | 1321650 | 20.68 | ng/ul | 100 |
| 73) Di-n-butylphthalate | 18.16 | 149 | 1567265 | 22.35 | ng/ul | 100 |
| 74) Fluoranthene | 19.24 | 202 | 1847326 | 20.16 | ng/ul | 100 |
| 77) Pyrene | 19.60 | 202 | 1967373 | 17.60 | ng/ul | 100 |
| 78) Butylbenzylphthalate | 20.51 | 149 | 776551 | 19.63 | ng/ul | 100 |
| 79) 3,3'-Dichlorobenzidine | 21.29 | 252 | 795976 | 23.78 | ng/ul | 100 |
| 80) Benzo(a)anthracene | 21.35 | 228 | 2113661 | 19.82 | ng/ul | 100 |
| 81) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 1160099 | 21.01 | ng/ul | 100 |
| 82) Chrysene | 21.40 | 228 | 1938319 | 20.54 | ng/ul | 100 |
| 84) Di-n-octyl phthalate | 22.18 | 149 | 2064861 | 17.78 | ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 22.96 | 252 | 2362696 | 19.75 | ng/ul | 100 |
| 86) Benzo(k)fluoranthene | 23.00 | 252 | 2181097 | 19.03 | ng/ul | 100 |
| 88) Benzo(a)pyrene | 23.54 | 252 | 2222254 | 19.67 | ng/ul | 100 |
| 89) Indeno(1,2,3-cd)pyrene | 25.94 | 276 | 2729629 | 20.23 | ng/ul | 100 |
| 90) Dibenzo(a,h)anthracene | 25.96 | 278 | 2296237 | 19.83 | ng/ul | 100 |
| 91) Benzo(g,h,i)perylene | 26.64 | 276 | 2263445 | 20.67 | ng/ul | 100 |

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

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