Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM080315\
Data File : BM002193.D
Acq On : 03 Aug 2015 12:24
Operator : TP
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02094

Quant Time: Aug 04 02:31:44 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 04 02:31:26 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.53 | 152 | 61367 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.32 | 136 | 247977 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.20 | 164 | 160487 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.96 | 188 | 389963 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.17 | 240 | 511715 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.35 | 264 | 521007 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 2.98 | 96 | 8261 | 6.97 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.72 | 99 | 84800 | 19.33 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.87 | 67 | 44446 | 18.32 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.06 | 132 | 71787 | 19.30 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.25 | 113 | 69947 | 20.06 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.69 | 128 | 33585 | 19.05 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.41 | 143 | 39759 | 20.30 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.95 | 165 | 77384 | 20.51 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.46 | 131 | 93786 | 22.62 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.62 | 166 | 235867 | 20.07 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.89 | 160 | 278784 | 18.97 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.45 | 143 | 36018 | 18.36 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.20 | 176 | 202488 | 19.58 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.35 | 200 | 43703 | 18.32 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.06 | 188 | 328596 | 18.88 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.36 | 212 | 386421 | 17.94 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.21 | 264 | 479255 | 18.97 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.01 | 88 | 9191 | 7.26 | ng/uL | 95 |
| 4) Benzaldehyde | 6.68 | 77 | 47019 | 20.19 | ng/ul | 98 |
| 6) Phenol | 6.75 | 94 | 87014 | 19.40 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 6.96 | 93 | 62974 | 18.67 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.09 | 128 | 71932 | 19.29 | ng/ul | 98 |
| 11) 2-Methylphenol | 7.99 | 108 | 66635 | 19.61 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.06 | 45 | 60957 | 17.64 | ng/ul | 96 |
| 14) Acetophenone | 8.35 | 105 | 109396 | 19.81 | ng/ul | 98 |
| 15) N-Nitroso-di-n-propylamine | 8.34 | 70 | 53869 | 20.13 | ng/ul | 97 |
| 16) 4-Methylphenol | 8.32 | 108 | 73458 | 20.13 | ng/ul | 99 |
| 17) Hexachloroethane | 8.59 | 117 | 27857 | 18.27 | ng/ul | 96 |
| 20) Nitrobenzene | 8.73 | 77 | 76375 | 18.47 | ng/ul | 99 |
| 21) Isophorone | 9.25 | 82 | 150725 | 20.43 | ng/ul | 100 |
| 23) 2-Nitrophenol | 9.44 | 139 | 41184 | 19.25 | ng/ul | 91 |
| 24) 2,4-Dimethylphenol | 9.51 | 107 | 81611 | 19.42 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.74 | 93 | 83452 | 18.58 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 9.97 | 162 | 72602 | 19.86 | ng/ul | 94 |
| 28) Naphthalene | 10.36 | 128 | 219235 | 18.61 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.49 | 127 | 97612 | 22.63 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.64 | 225 | 50493 | 18.47 | ng/ul | 97 |
| 32) Caprolactam | 11.25 | 113 | 25203 | 24.62 | ng/ul | 97 |
| 33) 4-Chloro-3-methylphenol | 11.63 | 107 | 77596 | 21.38 | ng/ul | 100 |
| 34) 2-Methylnaphthalene | 11.99 | 142 | 170130 | 19.85 | ng/ul | 100 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.22 | 142 | 162513 | 19.72 | ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.37 | 216 | 98388 | 17.63 | ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.34 | 237 | 43216 | 13.58 | ng/ul | 98 |
| 39) 2,4,6-Trichlorophenol | 12.63 | 196 | 64637 | 19.73 | ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 12.70 | 196 | 69364 | 19.59 | ng/ul | 99 |
| 41) 1,1'-Biphenyl | 13.02 | 154 | 223245 | 18.05 | ng/ul | 98 |
| 42) 2-Chloronaphthalene | 13.07 | 162 | 173834 | 18.08 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.29 | 65 | 48692 | 20.32 | ng/ul | 97 |
| 45) Dimethylphthalate | 13.66 | 163 | 235378 | 20.05 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 13.80 | 165 | 49738 | 20.83 | ng/ul | 97 |
| 48) Acenaphthylene | 13.92 | 152 | 283704 | 18.71 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.13 | 138 | 48977 | 23.05 | ng/ul | 90 |
| 50) Acenaphthene | 14.27 | 153 | 184620 | 18.57 | ng/ul | 100 |
| 51) 2,4-Dinitrophenol | 14.35 | 184 | 24159 | 17.19 | ng/ul | 94 |
| 53) 4-Nitrophenol | 14.46 | 109 | 31377 | 19.20 | ng/ul | 94 |
| 54) Dibenzofuran | 14.60 | 168 | 272295 | 19.10 | ng/ul | 97 |
| 55) 2,4-Dinitrotoluene | 14.60 | 165 | 73309 | 21.37 | ng/ul# | 87 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.85 | 232 | 57079 | 19.18 | ng/ul | 96 |
| 57) Diethylphthalate | 15.04 | 149 | 236158 | 20.40 | ng/ul | 99 |
| 59) Fluorene | 15.26 | 166 | 231765 | 19.67 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.25 | 204 | 123058 | 19.52 | ng/ul | 97 |
| 61) 4-Nitroaniline | 15.30 | 138 | 49373 | 21.79 | ng/ul | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 15.37 | 198 | 45092 | 18.02 | ng/ul | 99 |
| 65) N-Nitrosodiphenylamine | 15.47 | 169 | 204265 | 18.32 | ng/ul | 97 |
| 66) 4-Bromophenyl-phenylether | 16.15 | 248 | 76296 | 18.39 | ng/ul | 98 |
| 67) Hexachlorobenzene | 16.26 | 284 | 84201 | 18.55 | ng/ul | 98 |
| 68) Atrazine | 16.43 | 200 | 87363 | 20.32 | ng/ul | 97 |
| 69) Pentachlorophenol | 16.62 | 266 | 31972 | 13.73 | ng/ul | 97 |
| 70) Phenanthrene | 17.00 | 178 | 377756 | 18.70 | ng/ul | 99 |
| 72) Anthracene | 17.09 | 178 | 389190 | 18.85 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.99 | 216 | 96973 | 16.39 | ng/uL | 99 |
| 74) Pentachlorobenzene | 14.53 | 250 | 95557 | 17.30 | ng/uL | 99 |
| 75) Carbazole | 17.37 | 167 | 346178 | 19.63 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 17.93 | 149 | 424287 | 20.18 | ng/ul | 99 |
| 77) Fluoranthene | 19.03 | 202 | 474124 | 20.33 | ng/ul | 99 |
| 80) Pyrene | 19.39 | 202 | 498083 | 17.89 | ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.30 | 149 | 207860 | 19.55 | ng/ul | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.09 | 252 | 180530 | 19.92 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.15 | 228 | 538722 | 18.99 | ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.07 | 149 | 319783 | 19.64 | ng/ul | 97 |
| 85) Chrysene | 21.20 | 228 | 494864 | 18.65 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 21.94 | 149 | 564009 | 18.86 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.70 | 252 | 547127 | 18.69 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.74 | 252 | 529862 | 18.76 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.26 | 252 | 526953 | 18.65 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 25.54 | 276 | 579145 | 17.78 | ng/ul | 99 |
| 93) Dibenzo(a,h)anthracene | 25.54 | 278 | 493210 | 17.70 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 26.21 | 276 | 465447 | 17.05 | ng/ul | 97 |

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

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