Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM082416\
Data File : BM007275.D
Acq On : 24 Aug 2016 10:18
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02065

**Manual Integrations APPROVED**
sohil
8/24/2016 7:28:18 PM

Quant Time: Aug 24 13:50:35 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 23 13:53:51 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.80 | 152 | 165347 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.59 | 136 | 833141 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.43 | 164 | 614523 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.17 | 188 | 1656769 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.36 | 240 | 2326474 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.63 | 264 | 2577008 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.31 | 96 | 25052 | 7.74 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.96 | 99 | 305114 | 19.53 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.13 | 67 | 166668 | 20.31 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.33 | 132 | 231932 | 20.09 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.50 | 113 | 271228 | 19.91 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.96 | 128 | 121008 | 19.78 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.67 | 143 | 144213 | 20.19 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.20 | 165 | 293214 | 20.62 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.72 | 131 | 380436 | 21.45 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.84 | 166 | 1063499 | 20.06 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.12 | 160 | 1240233 | 20.18 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.63 | 143 | 202531 | 20.24 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.43 | 176 | 935051 | 20.39 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.55 | 200 | 208582 | 20.02 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.27 | 188 | 1581142 | 20.43 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.56 | 212 | 1974874 | 20.30 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.48 | 264 | 2421211 | 20.40 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.35 | 88 | 27778 | 7.70 | ng/uL | 99 |
| 4) Benzaldehyde | 6.95 | 77 | 196711 | 22.11 | ng/ul | 95 |
| 6) Phenol | 6.99 | 94 | 322907 | 19.93 | ng/ul | 93 |
| 8) Bis(2-Chloroethyl)ether | 7.23 | 93 | 221430 | 19.62 | ng/ul | 96 |
| 10) 2-Chlorophenol | 7.36 | 128 | 238060 | 20.14 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.24 | 108 | 250168 | 19.76 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.33 | 45 | 252332 | 19.87 | ng/ul | 97 |
| 14) Acetophenone | 8.62 | 105 | 435370 | 20.84 | ng/ul | 100 |
| 15) N-Nitroso-di-n-propylamine | 8.60 | 70 | 224723 | 20.24 | ng/ul | 96 |
| 16) 4-Methylphenol | 8.56 | 108 | 280313 | 19.73 | ng/ul | 95 |
| 17) Hexachloroethane | 8.87 | 117 | 95084 | 20.68 | ng/ul | 99 |
| 20) Nitrobenzene | 9.00 | 77 | 317903 | 20.23 | ng/ul | 97 |
| 21) Isophorone | 9.52 | 82 | 644035 | 20.12 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.70 | 139 | 156264 | 20.13 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 9.76 | 107 | 355614 | 20.76 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 10.00 | 93 | 354814 | 19.67 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.23 | 162 | 290796 | 20.59 | ng/ul | 100 |
| 28) Naphthalene | 10.63 | 128 | 824370 | 19.90 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.75 | 127 | 391322 | 21.43 | ng/ul | 96 |
| 31) Hexachlorobutadiene | 10.92 | 225 | 201308 | 21.09 | ng/ul | 97 |
| 32) Caprolactam | 11.50 | 113 | 111516m | 19.60 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.87 | 107 | 359010 | 20.53 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 12.25 | 142 | 694503 | 20.48 | ng/ul | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.62 | 216 | 418759 | 20.46 | ng/ul | 98 |
| 37) Hexachlorocyclopentadiene | 12.60 | 237 | 238673 | 19.34 | ng/ul | 96 |
| 38) 2,4,6-Trichlorophenol | 12.86 | 196 | 289363 | 19.99 | ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 12.93 | 196 | 306545 | 20.32 | ng/ul | 98 |
| 40) 1,1'-Biphenyl | 13.26 | 154 | 961865 | 20.18 | ng/ul | 98 |
| 41) 2-Chloronaphthalene | 13.30 | 162 | 756156 | 20.24 | ng/ul | 99 |
| 42) 2-Nitroaniline | 13.51 | 65 | 253328 | 20.76 | ng/ul | 96 |
| 44) Dimethylphthalate | 13.89 | 163 | 1068889 | 20.24 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.01 | 165 | 223937 | 20.75 | ng/ul | 91 |
| 47) Acenaphthylene | 14.15 | 152 | 1275645 | 20.17 | ng/ul | 100 |
| 48) 3-Nitroaniline | 14.34 | 138 | 230506 | 20.92 | ng/ul | 97 |
| 49) Acenaphthene | 14.50 | 153 | 832053 | 20.22 | ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.55 | 184 | 140718 | 19.23 | ng/ul | 88 |
| 52) 4-Nitrophenol | 14.65 | 109 | 226024 | 21.23 | ng/ul | 86 |
| 53) Dibenzofuran | 14.83 | 168 | 1243485 | 20.19 | ng/ul | 95 |
| 54) 2,4-Dinitrotoluene | 14.80 | 165 | 346659 | 20.95 | ng/ul | 97 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.06 | 232 | 313839 | 20.28 | ng/ul# | 96 |
| 56) Diethylphthalate | 15.26 | 149 | 1114541 | 20.23 | ng/ul | 99 |
| 58) Fluorene | 15.48 | 166 | 1037294 | 20.45 | ng/ul | 97 |
| 59) 4-Chlorophenyl-phenylether | 15.47 | 204 | 544819 | 20.55 | ng/ul | 95 |
| 60) 4-Nitroaniline | 15.50 | 138 | 260070 | 20.80 | ng/ul | 86 |
| 63) 4,6-Dinitro-2-methylphenol | 15.56 | 198 | 224620 | 20.20 | ng/ul | 100 |
| 64) N-Nitrosodiphenylamine | 15.69 | 169 | 938507 | 20.29 | ng/ul | 100 |
| 65) 4-Bromophenyl-phenylether | 16.37 | 248 | 378800 | 20.25 | ng/ul | 98 |
| 66) Hexachlorobenzene | 16.48 | 284 | 425085 | 20.29 | ng/ul | 94 |
| 67) Atrazine | 16.64 | 200 | 405095 | 20.74 | ng/ul | 98 |
| 68) Pentachlorophenol | 16.83 | 266 | 265860 | 19.67 | ng/ul | 99 |
| 69) Phenanthrene | 17.22 | 178 | 1808454 | 20.33 | ng/ul | 99 |
| 71) Anthracene | 17.31 | 178 | 1871695 | 20.38 | ng/ul | 99 |
| 72) Carbazole | 17.58 | 167 | 1664470 | 20.86 | ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.14 | 149 | 2028981 | 20.21 | ng/ul | 99 |
| 74) Fluoranthene | 19.23 | 202 | 2418876 | 21.67 | ng/ul | 97 |
| 77) Pyrene | 19.59 | 202 | 2527099 | 20.25 | ng/ul | 98 |
| 78) Butylbenzylphthalate | 20.49 | 149 | 1022755 | 19.69 | ng/ul | 98 |
| 79) 3,3'-Dichlorobenzidine | 21.27 | 252 | 981207 | 21.24 | ng/ul | 98 |
| 80) Benzo(a)anthracene | 21.34 | 228 | 2805561 | 20.46 | ng/ul | 100 |
| 81) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 1497568 | 19.88 | ng/ul | 100 |
| 82) Chrysene | 21.39 | 228 | 2512437 | 20.23 | ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.16 | 149 | 2718301 | 21.18 | ng/ul | 99 |
| 85) Benzo(b)fluoranthene | 22.94 | 252 | 3055882 | 20.06 | ng/ul | 98 |
| 86) Benzo(k)fluoranthene | 22.99 | 252 | 2995114 | 21.27 | ng/ul | 100 |
| 88) Benzo(a)pyrene | 23.53 | 252 | 3010417 | 20.65 | ng/ul | 99 |
| 89) Indeno(1,2,3-cd)pyrene | 25.92 | 276 | 3724812 | 20.82 | ng/ul | 99 |
| 90) Dibenzo(a,h)anthracene | 25.93 | 278 | 3111116 | 20.90 | ng/ul | 98 |
| 91) Benzo(g,h,i)perylene | 26.63 | 276 | 3156776 | 20.78 | ng/ul | 96 |

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

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