Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
Data File : BM004527.D
Acq On : 03 Mar 2016 11:41
Operator : SJ/UM
Sample : SSTD04037
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD04037

**Manual Integrations APPROVED**
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3/4/2016 4:20:51 PM

Quant Time: Mar 03 13:07:22 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 03 12:43:42 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.59 | 152 | 26567 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.38 | 136 | 125309 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.26 | 164 | 77105 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.02 | 188 | 167507 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.23 | 240 | 141011 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.44 | 264 | 118557 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.05 | 96 | 8034 | 15.94 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.79 | 99 | 88709 | 39.82 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.93 | 67 | 44014 | 38.85 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.13 | 132 | 78904 | 41.07 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.32 | 113 | 78690 | 39.53 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.76 | 128 | 39940 | 41.90 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.47 | 143 | 45883 | 42.22 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.02 | 165 | 81039 | 41.26 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.53 | 131 | 105038 | 42.90 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.67 | 166 | 252984 | 38.26 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.95 | 160 | 310459 | 40.10 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.51 | 143 | 39410 | 37.08 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.26 | 176 | 216671 | 38.53 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 45374 | 44.10 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.12 | 188 | 323315 | 39.39 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.42 | 212 | 320966 | 47.06 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.30 | 264 | 253218 | 40.70 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.09 | 88 | 9102 | 15.67 | ng/uL# | 91 |
| 4) Benzaldehyde | 6.74 | 77 | 52960 | 43.95 | ng/ul | 92 |
| 6) Phenol | 6.81 | 94 | 93155 | 39.21 | ng/ul | 96 |
| 8) Bis(2-Chloroethyl)ether | 7.03 | 93 | 70023 | 39.82 | ng/ul | 94 |
| 10) 2-Chlorophenol | 7.16 | 128 | 81990 | 41.06 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.05 | 108 | 76663 | 39.57 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.13 | 45 | 63366 | 37.53 | ng/ul | 97 |
| 14) Acetophenone | 8.42 | 105 | 123018 | 39.44 | ng/ul | 95 |
| 15) N-Nitroso-di-n-propylamine | 8.41 | 70 | 56187 | 37.49 | ng/ul | 94 |
| 16) 4-Methylphenol | 8.39 | 108 | 84914 | 39.97 | ng/ul | 99 |
| 17) Hexachloroethane | 8.66 | 117 | 30245 | 39.86 | ng/ul | 89 |
| 20) Nitrobenzene | 8.80 | 77 | 81387 | 39.06 | ng/ul | 94 |
| 21) Isophorone | 9.32 | 82 | 163326 | 37.82 | ng/ul | 95 |
| 23) 2-Nitrophenol | 9.50 | 139 | 51588 | 42.19 | ng/ul | 91 |
| 24) 2,4-Dimethylphenol | 9.57 | 107 | 96119 | 39.37 | ng/ul | 97 |
| 25) Bis(2-Chloroethoxy)methane | 9.80 | 93 | 101757 | 39.09 | ng/ul | 100 |
| 27) 2,4-Dichlorophenol | 10.05 | 162 | 84944 | 41.04 | ng/ul | 99 |
| 28) Naphthalene | 10.43 | 128 | 273703 | 39.17 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.55 | 127 | 111789 | 43.35 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.70 | 225 | 53361 | 41.08 | ng/ul | 98 |
| 32) Caprolactam | 11.33 | 113 | 25987m | 36.06 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.70 | 107 | 91931 | 37.94 | ng/ul | 96 |
| 34) 2-Methylnaphthalene | 12.05 | 142 | 203982 | 39.02 | ng/ul | 100 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.27 | 142 | 193819 | 38.98 | ng/ul | 99 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.43 | 216 | 107381 | 41.88 | ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 12.40 | 237 | 42007 | 43.94 | ng/ul | 98 |
| 39) 2,4,6-Trichlorophenol | 12.69 | 196 | 68365 | 41.02 | ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 12.77 | 196 | 72467 | 40.06 | ng/ul | 100 |
| 41) 1,1'-Biphenyl | 13.08 | 154 | 265751 | 40.11 | ng/ul | 98 |
| 42) 2-Chloronaphthalene | 13.13 | 162 | 204201 | 40.50 | ng/ul | 98 |
| 43) 2-Nitroaniline | 13.35 | 65 | 48886 | 38.46 | ng/ul | 88 |
| 45) Dimethylphthalate | 13.72 | 163 | 264089 | 38.30 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 13.85 | 165 | 56720 | 41.01 | ng/ul | 93 |
| 48) Acenaphthylene | 13.98 | 152 | 332872 | 39.52 | ng/ul | 100 |
| 49) 3-Nitroaniline | 14.19 | 138 | 55314 | 40.31 | ng/ul | 96 |
| 50) Acenaphthene | 14.32 | 153 | 223054 | 38.78 | ng/ul | 98 |
| 51) 2,4-Dinitrophenol | 14.42 | 184 | 28700 | 45.74 | ng/ul# | 87 |
| 53) 4-Nitrophenol | 14.52 | 109 | 27169 | 34.19 | ng/ul | 89 |
| 54) Dibenzofuran | 14.66 | 168 | 311412 | 38.77 | ng/ul | 96 |
| 55) 2,4-Dinitrotoluene | 14.66 | 165 | 79810 | 38.64 | ng/ul | 93 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.90 | 232 | 63469 | 42.37 | ng/ul# | 91 |
| 57) Diethylphthalate | 15.09 | 149 | 266202 | 37.31 | ng/ul | 99 |
| 59) Fluorene | 15.32 | 166 | 253475 | 38.07 | ng/ul | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.30 | 204 | 127854 | 39.14 | ng/ul | 94 |
| 61) 4-Nitroaniline | 15.36 | 138 | 54848 | 37.08 | ng/ul | 87 |
| 64) 4,6-Dinitro-2-methylphenol | 15.43 | 198 | 48543 | 43.79 | ng/ul# | 89 |
| 65) N-Nitrosodiphenylamine | 15.53 | 169 | 220326 | 41.11 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.20 | 248 | 78455 | 43.00 | ng/ul | 91 |
| 67) Hexachlorobenzene | 16.33 | 284 | 85427 | 42.12 | ng/ul | 92 |
| 68) Atrazine | 16.49 | 200 | 79262 | 39.88 | ng/ul | 98 |
| 69) Pentachlorophenol | 16.68 | 266 | 36386 | 45.45 | ng/ul | 99 |
| 70) Phenanthrene | 17.06 | 178 | 393067 | 39.07 | ng/ul | 99 |
| 72) Anthracene | 17.15 | 178 | 402972 | 39.42 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.05 | 216 | 99558 | 44.61 | ng/uL | 100 |
| 74) Pentachlorobenzene | 14.59 | 250 | 99563 | 43.41 | ng/uL | 100 |
| 75) Carbazole | 17.43 | 167 | 345323 | 38.76 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 17.98 | 149 | 437685 | 35.40 | ng/ul | 99 |
| 77) Fluoranthene | 19.09 | 202 | 420976 | 36.93 | ng/ul | 99 |
| 80) Pyrene | 19.45 | 202 | 429868 | 46.64 | ng/ul | 100 |
| 81) Butylbenzylphthalate | 20.36 | 149 | 167208 | 41.23 | ng/ul | 92 |
| 82) 3,3'-Dichlorobenzidine | 21.14 | 252 | 122389 | 43.08 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.21 | 228 | 359049 | 39.58 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 230752 | 38.49 | ng/ul | 98 |
| 85) Chrysene | 21.26 | 228 | 343650 | 39.38 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 22.00 | 149 | 369527 | 37.87 | ng/ul# | 96 |
| 88) Benzo(b)fluoranthene | 22.77 | 252 | 316667 | 39.53 | ng/ul | 100 |
| 89) Benzo(k)fluoranthene | 22.82 | 252 | 303327 | 40.18 | ng/ul | 100 |
| 91) Benzo(a)pyrene | 23.34 | 252 | 298745 | 40.13 | ng/ul | 100 |
| 92) Indeno(1,2,3-cd)pyrene | 25.67 | 276 | 321325 | 46.15 | ng/ul | 99 |
| 93) Dibenzo(a,h)anthracene | 25.67 | 278 | 267143 | 46.50 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 26.34 | 276 | 272596 | 47.61 | ng/ul | 99 |

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|---|---|---|---|---|---|---|

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

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