Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM050317\
Data File : BM009883.D
Acq On : 03 May 2017 20:17
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 03:57:47 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM042517.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 04 02:03:11 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02047

**Manual Integrations APPROVED**
mohammad
5/4/2017 5:01:36 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.81 | 152 | 162079 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.61 | 136 | 672080 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.46 | 164 | 348510 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.22 | 188 | 632304 | 20.00 | ng/ul | 0.01 |
| 75) Chrysene-d12 | 21.40 | 240 | 706782 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.73 | 264 | 709844 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.29 | 96 | 29621 | 8.42 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.00 | 99 | 316674 | 17.98 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.15 | 67 | 224758 | 18.72 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.35 | 132 | 217320 | 19.40 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8 | 8.54 | 113 | 240686 | 17.53 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5 | 8.99 | 128 | 108557 | 19.84 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4 | 9.70 | 143 | 115697 | 20.10 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3 | 10.25 | 165 | 218890 | 19.02 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4 | 10.76 | 131 | 265075 | 19.11 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6 | 13.87 | 166 | 587844 | 19.39 | ng/ul | 0.01 |
| 46) Acenaphthylene-d8 | 14.16 | 160 | 725446 | 19.84 | ng/ul | 0.01 |
| 51) 4-Nitrophenol-d4 | 14.73 | 143 | 67124 | 11.48 | ng/ul | 0.04 |
| 57) Fluorene-d10 | 15.46 | 176 | 473753 | 17.31 | ng/ul | 0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.62 | 200 | 28940 | 6.49 | ng/ul | 0.02 |
| 70) Anthracene-d10 | 17.32 | 188 | 633022 | 19.50 | ng/ul | 0.01 |
| 76) Pyrene-d10 | 19.62 | 212 | 644186 | 20.65 | ng/ul | 0.01 |
| 87) Benzo(a)pyrene-d12 | 23.58 | 264 | 669622 | 19.40 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.32 | 88 | 32197m | 7.42 | ng/uL | |
| 4) Benzaldehyde | 6.96 | 77 | 236963 | 20.66 | ng/ul# | 87 |
| 6) Phenol | 7.03 | 94 | 328940 | 18.07 | ng/ul# | 69 |
| 8) Bis(2-Chloroethyl)ether | 7.24 | 93 | 256138 | 18.74 | ng/ul | 85 |
| 10) 2-Chlorophenol | 7.39 | 128 | 227569 | 19.84 | ng/ul# | 78 |
| 11) 2-Methylphenol | 8.27 | 108 | 236057 | 18.02 | ng/ul | 92 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.34 | 45 | 425484 | 18.64 | ng/ul | 97 |
| 14) Acetophenone | 8.65 | 105 | 400814 | 17.75 | ng/ul# | 77 |
| 15) N-Nitroso-di-n-propylamine | 8.62 | 70 | 247638 | 17.66 | ng/ul# | 87 |
| 16) 4-Methylphenol | 8.60 | 108 | 254894 | 17.58 | ng/ul | 99 |
| 17) Hexachloroethane | 8.87 | 117 | 93361 | 17.53 | ng/ul | 95 |
| 20) Nitrobenzene | 9.03 | 77 | 351470 | 19.78 | ng/ul# | 88 |
| 21) Isophorone | 9.55 | 82 | 579799 | 18.43 | ng/ul# | 96 |
| 23) 2-Nitrophenol | 9.73 | 139 | 122713 | 19.58 | ng/ul# | 56 |
| 24) 2,4-Dimethylphenol | 9.80 | 107 | 295951 | 18.99 | ng/ul# | 86 |
| 25) Bis(2-Chloroethoxy)methane | 10.02 | 93 | 341223 | 18.71 | ng/ul | 94 |
| 27) 2,4-Dichlorophenol | 10.28 | 162 | 208820 | 18.41 | ng/ul# | 91 |
| 28) Naphthalene | 10.66 | 128 | 695483 | 19.43 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.79 | 127 | 265306 | 19.16 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.92 | 225 | 160987 | 20.32 | ng/ul | 95 |
| 32) Caprolactam | 11.60 | 113 | 63386 | 14.80 | ng/ul# | 82 |
| 33) 4-Chloro-3-methylphenol | 11.93 | 107 | 238806 | 16.89 | ng/ul | 96 |
| 34) 2-Methylnaphthalene | 12.27 | 142 | 473055 | 17.19 | ng/ul | 97 |

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Quant Title : SVOA CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.65 | 216 | 271979 | 23.01 | ng/ul | 98 |
| 37) Hexachlorocyclopentadiene | 12.60 | 237 | 9020 | 1.43 | ng/ul# | 81 |
| 38) 2,4,6-Trichlorophenol | 12.90 | 196 | 165527 | 20.62 | ng/ul | 89 |
| 39) 2,4,5-Trichlorophenol | 12.99 | 196 | 166188 | 20.08 | ng/ul | 93 |
| 40) 1,1'-Biphenyl | 13.29 | 154 | 610644 | 21.31 | ng/ul | 95 |
| 41) 2-Chloronaphthalene | 13.34 | 162 | 472975 | 21.46 | ng/ul | 95 |
| 42) 2-Nitroaniline | 13.56 | 65 | 195785 | 20.85 | ng/ul# | 78 |
| 44) Dimethylphthalate | 13.92 | 163 | 570309 | 19.02 | ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 14.06 | 165 | 112690 | 18.71 | ng/ul# | 82 |
| 47) Acenaphthylene | 14.19 | 152 | 700254 | 19.42 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.39 | 138 | 111612 | 18.76 | ng/ul# | 79 |
| 49) Acenaphthene | 14.53 | 153 | 471548 | 19.24 | ng/ul | 97 |
| 50) 2,4-Dinitrophenol | 14.63 | 184 | 17336m | 4.32 | ng/ul | |
| 52) 4-Nitrophenol | 14.74 | 109 | 75059 | 11.20 | ng/ul# | 75 |
| 53) Dibenzofuran | 14.87 | 168 | 664588 | 18.51 | ng/ul | 92 |
| 54) 2,4-Dinitrotoluene | 14.86 | 165 | 146602 | 16.15 | ng/ul# | 93 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.10 | 232 | 114973 | 14.33 | ng/ul# | 96 |
| 56) Diethylphthalate | 15.28 | 149 | 566202 | 17.31 | ng/ul | 98 |
| 58) Fluorene | 15.52 | 166 | 526017 | 17.16 | ng/ul | 97 |
| 59) 4-Chlorophenyl-phenylether | 15.50 | 204 | 276591 | 17.41 | ng/ul | 95 |
| 60) 4-Nitroaniline | 15.56 | 138 | 105189 | 15.15 | ng/ul# | 35 |
| 63) 4,6-Dinitro-2-methylphenol | 15.63 | 198 | 30401 | 6.61 | ng/ul# | 89 |
| 64) N-Nitrosodiphenylamine | 15.73 | 169 | 439191 | 22.64 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.40 | 248 | 161645 | 22.39 | ng/ul | 85 |
| 66) Hexachlorobenzene | 16.52 | 284 | 164475 | 20.81 | ng/ul | 93 |
| 67) Atrazine | 16.68 | 200 | 154332 | 19.83 | ng/ul | 96 |
| 68) Pentachlorophenol | 16.89 | 266 | 53024 | 10.89 | ng/ul | 91 |
| 69) Phenanthrene | 17.26 | 178 | 692814 | 19.06 | ng/ul | 98 |
| 71) Anthracene | 17.36 | 178 | 732523 | 19.26 | ng/ul | 97 |
| 72) Carbazole | 17.63 | 167 | 588038 | 17.19 | ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.17 | 149 | 835438 | 20.04 | ng/ul | 98 |
| 74) Fluoranthene | 19.28 | 202 | 762490 | 16.64 | ng/ul# | 89 |
| 77) Pyrene | 19.64 | 202 | 793491 | 19.88 | ng/ul# | 90 |
| 78) Butylbenzylphthalate | 20.53 | 149 | 353787 | 21.37 | ng/ul | 96 |
| 79) 3,3'-Dichlorobenzidine | 21.32 | 252 | 253368 | 19.38 | ng/ul | 98 |
| 80) Benzo(a)anthracene | 21.39 | 228 | 836789 | 19.97 | ng/ul | 97 |
| 81) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 526860 | 21.01 | ng/ul | 100 |
| 82) Chrysene | 21.44 | 228 | 745756 | 19.77 | ng/ul | 98 |
| 84) Di-n-octyl phthalate | 22.18 | 149 | 921511 | 17.77 | ng/ul# | 66 |
| 85) Benzo(b)fluoranthene | 23.03 | 252 | 858519 | 18.62 | ng/ul# | 93 |
| 86) Benzo(k)fluoranthene | 23.07 | 252 | 828764 | 19.63 | ng/ul# | 92 |
| 88) Benzo(a)pyrene | 23.63 | 252 | 850894 | 19.84 | ng/ul# | 95 |
| 89) Indeno(1,2,3-cd)pyrene | 26.10 | 276 | 1023165 | 22.04 | ng/ul# | 87 |
| 90) Dibenzo(a,h)anthracene | 26.11 | 278 | 844162 | 21.35 | ng/ul# | 94 |
| 91) Benzo(g,h,i)perylene | 26.84 | 276 | 838553 | 22.47 | ng/ul# | 91 |

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

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