Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012144.D
Acq On : 13 Oct 2017 20:48
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02004

Quant Time: Oct 14 04:30:51 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 14 00:15:07 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.83 | 152 | 188034 | 20.00 | ng/ul | -0.02 |
| 18) Naphthalene-d8 | 10.63 | 136 | 781358 | 20.00 | ng/ul | -0.02 |
| 35) Acenaphthene-d10 | 14.48 | 164 | 454561 | 20.00 | ng/ul | -0.02 |
| 61) Phenanthrene-d10 | 17.23 | 188 | 938136 | 20.00 | ng/ul | -0.02 |
| 75) Chrysene-d12 | 21.41 | 240 | 800741 | 20.00 | ng/ul | -0.02 |
| 83) Perylene-d12 | 23.73 | 264 | 815105 | 20.00 | ng/ul | -0.05 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.24 | 96 | 29111 | 7.36 | ng/uL | -0.01 |
| 5) Phenol-d5 | 7.00 | 99 | 289862 | 19.00 | ng/ul | -0.02 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.16 | 67 | 175145 | 19.14 | ng/ul | -0.02 |
| 9) 2-Chlorophenol-d4 | 7.36 | 132 | 253724 | 19.61 | ng/ul | -0.02 |
| 13) 4-Methylphenol-d8 | 8.55 | 113 | 252596 | 19.23 | ng/ul | -0.02 |
| 19) Nitrobenzene-d5 | 9.00 | 128 | 121800 | 20.43 | ng/ul | -0.02 |
| 22) 2-Nitrophenol-d4 | 9.72 | 143 | 142661 | 20.48 | ng/ul | -0.02 |
| 26) 2,4-Dichlorophenol-d3 | 10.26 | 165 | 270936 | 20.37 | ng/ul | -0.02 |
| 29) 4-Chloroaniline-d4 | 10.77 | 131 | 284818 | 22.88 | ng/ul | -0.02 |
| 43) Dimethylphthalate-d6 | 13.89 | 166 | 766522 | 19.08 | ng/ul | -0.02 |
| 46) Acenaphthylene-d8 | 14.17 | 160 | 962586 | 19.79 | ng/ul | -0.02 |
| 51) 4-Nitrophenol-d4 | 14.70 | 143 | 99481 | 16.47 | ng/ul | -0.03 |
| 57) Fluorene-d10 | 15.47 | 176 | 628444 | 19.06 | ng/ul | -0.02 |
| 62) 4,6-Dinitro-2-methylphenol | 15.62 | 200 | 109701 | 17.04 | ng/ul | -0.03 |
| 70) Anthracene-d10 | 17.33 | 188 | 905170 | 19.51 | ng/ul | -0.02 |
| 76) Pyrene-d10 | 19.62 | 212 | 883314 | 21.73 | ng/ul | -0.02 |
| 87) Benzo(a)pyrene-d12 | 23.58 | 264 | 767755 | 19.54 | ng/ul | -0.04 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.28 | 88 | 30828 | 7.64 | ng/uL# | 64 |
| 4) Benzaldehyde | 6.97 | 77 | 196879 | 19.31 | ng/ul | 90 |
| 6) Phenol | 7.03 | 94 | 298026 | 18.90 | ng/ul# | 84 |
| 8) Bis(2-Chloroethyl)ether | 7.25 | 93 | 228123 | 18.98 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.39 | 128 | 256360 | 19.41 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.27 | 108 | 228860 | 19.29 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.36 | 45 | 273379 | 17.91 | ng/ul# | 84 |
| 14) Acetophenone | 8.66 | 105 | 384817 | 19.28 | ng/ul | 90 |
| 15) N-Nitroso-di-n-propylamine | 8.63 | 70 | 207003 | 19.35 | ng/ul# | 72 |
| 16) 4-Methylphenol | 8.60 | 108 | 251506 | 19.24 | ng/ul | 93 |
| 17) Hexachloroethane | 8.90 | 117 | 109988 | 19.74 | ng/ul# | 79 |
| 20) Nitrobenzene | 9.04 | 77 | 295675 | 19.96 | ng/ul | 94 |
| 21) Isophorone | 9.56 | 82 | 546458 | 19.74 | ng/ul# | 94 |
| 23) 2-Nitrophenol | 9.75 | 139 | 153693 | 20.57 | ng/ul# | 80 |
| 24) 2,4-Dimethylphenol | 9.80 | 107 | 303102 | 20.13 | ng/ul# | 88 |
| 25) Bis(2-Chloroethoxy)methane | 10.04 | 93 | 319468 | 19.68 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.29 | 162 | 261816 | 19.98 | ng/ul# | 91 |
| 28) Naphthalene | 10.68 | 128 | 798192 | 19.74 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.80 | 127 | 283587 | 23.16 | ng/ul | 96 |
| 31) Hexachlorobutadiene | 10.95 | 225 | 197516 | 20.34 | ng/ul | 91 |
| 32) Caprolactam | 11.60 | 113 | 75368 | 18.22 | ng/ul# | 38 |
| 33) 4-Chloro-3-methylphenol | 11.93 | 107 | 269500 | 19.63 | ng/ul | 93 |
| 34) 2-Methylnaphthalene | 12.30 | 142 | 595019 | 19.50 | ng/ul | 97 |

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|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.67 | 216 | 345583 | 20.94 | ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 12.63 | 237 | 98869 | 13.44 | ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 12.92 | 196 | 224770 | 20.54 | ng/ul | 97 |
| 39) 2,4,5-Trichlorophenol | 12.99 | 196 | 227092 | 20.17 | ng/ul | 99 |
| 40) 1,1'-Biphenyl | 13.31 | 154 | 780242 | 20.34 | ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.36 | 162 | 610606 | 20.28 | ng/ul | 98 |
| 42) 2-Nitroaniline | 13.57 | 65 | 167336 | 19.98 | ng/ul | 93 |
| 44) Dimethylphthalate | 13.93 | 163 | 763838 | 18.98 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.07 | 165 | 156761 | 19.62 | ng/ul | 93 |
| 47) Acenaphthylene | 14.20 | 152 | 941659 | 19.72 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.40 | 138 | 120255 | 19.35 | ng/ul | 87 |
| 49) Acenaphthene | 14.55 | 153 | 628781 | 19.55 | ng/ul | 100 |
| 50) 2,4-Dinitrophenol | 14.63 | 184 | 68750 | 15.15 | ng/ul | 97 |
| 52) 4-Nitrophenol | 14.72 | 109 | 92598 | 17.06 | ng/ul | 84 |
| 53) Dibenzofuran | 14.88 | 168 | 903837 | 19.51 | ng/ul | 100 |
| 54) 2,4-Dinitrotoluene | 14.86 | 165 | 217011 | 18.74 | ng/ul | 93 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.12 | 232 | 190803 | 18.52 | ng/ul | 91 |
| 56) Diethylphthalate | 15.29 | 149 | 752281 | 17.29 | ng/ul | 95 |
| 58) Fluorene | 15.53 | 166 | 725985 | 18.87 | ng/ul | 97 |
| 59) 4-Chlorophenyl-phenylether | 15.52 | 204 | 389458 | 19.27 | ng/ul | 96 |
| 60) 4-Nitroaniline | 15.56 | 138 | 126519 | 16.48 | ng/ul | 94 |
| 63) 4,6-Dinitro-2-methylphenol | 15.63 | 198 | 118727 | 17.47 | ng/ul | 95 |
| 64) N-Nitrosodiphenylamine | 15.73 | 169 | 604126 | 20.57 | ng/ul | 100 |
| 65) 4-Bromophenyl-phenylether | 16.41 | 248 | 235227 | 20.95 | ng/ul | 95 |
| 66) Hexachlorobenzene | 16.54 | 284 | 257094 | 20.21 | ng/ul# | 92 |
| 67) Atrazine | 16.69 | 200 | 232156 | 18.91 | ng/ul | 96 |
| 68) Pentachlorophenol | 16.89 | 266 | 112866 | 15.91 | ng/ul | 97 |
| 69) Phenanthrene | 17.27 | 178 | 1040902 | 19.50 | ng/ul | 99 |
| 71) Anthracene | 17.36 | 178 | 1074835 | 19.45 | ng/ul | 99 |
| 72) Carbazole | 17.63 | 167 | 847630 | 18.13 | ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.18 | 149 | 1174287 | 18.09 | ng/ul | 98 |
| 74) Fluoranthene | 19.29 | 202 | 1114757 | 17.31 | ng/ul# | 92 |
| 77) Pyrene | 19.65 | 202 | 1131266 | 21.39 | ng/ul# | 92 |
| 78) Butylbenzylphthalate | 20.53 | 149 | 453344 | 19.26 | ng/ul | 87 |
| 79) 3,3'-Dichlorobenzidine | 21.32 | 252 | 290663 | 18.24 | ng/ul# | 93 |
| 80) Benzo(a)anthracene | 21.39 | 228 | 1024373 | 19.66 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.30 | 149 | 644252 | 18.24 | ng/ul | 97 |
| 82) Chrysene | 21.44 | 228 | 929693 | 19.01 | ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.19 | 149 | 1089049 | 18.28 | ng/ul# | 95 |
| 85) Benzo(b)fluoranthene | 23.03 | 252 | 984389 | 18.51 | ng/ul# | 98 |
| 86) Benzo(k)fluoranthene | 23.07 | 252 | 975300 | 19.03 | ng/ul# | 97 |
| 88) Benzo(a)pyrene | 23.63 | 252 | 966521 | 19.28 | ng/ul# | 97 |
| 89) Indeno(1,2,3-cd)pyrene | 26.11 | 276 | 1133423 | 21.29 | ng/ul# | 93 |
| 90) Dibenzo(a,h)anthracene | 26.11 | 278 | 964842 | 21.56 | ng/ul# | 94 |
| 91) Benzo(g,h,i)perylene | 26.84 | 276 | 960810 | 22.03 | ng/ul# | 95 |

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

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