Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022118\
Data File : BM014318.D
Acq On : 21 Feb 2018 09:23
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02048

**Manual Integrations APPROVED**
Sohil
2/22/2018 11:56:12 AM

Quant Time: Feb 22 03:32:12 2018
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 20 03:49:19 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.53 | 152 | 68007 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.30 | 136 | 333129 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.19 | 164 | 246869 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.94 | 188 | 639485 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.15 | 240 | 684563 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.32 | 264 | 571370 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.11 | 96 | 13284 | 8.36 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.72 | 99 | 112611 | 19.59 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.88 | 67 | 73020 | 20.99 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.07 | 132 | 92261 | 20.93 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.25 | 113 | 96889 | 19.26 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.69 | 128 | 46687 | 18.96 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.40 | 143 | 49698 | 19.50 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.94 | 165 | 100100 | 18.97 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.46 | 131 | 116028 | 22.32 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.61 | 166 | 404009 | 19.82 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.87 | 160 | 507883 | 20.20 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.43 | 143 | 43485 | 15.45 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.19 | 176 | 373838 | 20.47 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.34 | 200 | 67451 | 17.58 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.04 | 188 | 622976 | 20.19 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.34 | 212 | 699569 | 19.81 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.18 | 264 | 553398 | 19.90 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.14 | 88 | 15763m | 8.930 | ng/uL | |
| 4) Benzaldehyde | 6.70 | 77 | 53018 | 22.624 | ng/ul | 94 |
| 6) Phenol | 6.75 | 94 | 116824 | 19.369 | ng/ul | 90 |
| 8) Bis(2-Chloroethyl)ether | 6.97 | 93 | 82642 | 18.884 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.10 | 128 | 87649 | 19.478 | ng/ul | 92 |
| 11) 2-Methylphenol | 7.99 | 108 | 90607 | 19.640 | ng/ul | 93 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.06 | 45 | 83271m | 18.855 | ng/ul | |
| 14) Acetophenone | 8.36 | 105 | 171650 | 19.782 | ng/ul# | 91 |
| 15) N-Nitroso-di-n-propylamine | 8.34 | 70 | 93285 | 21.454 | ng/ul | 85 |
| 16) 4-Methylphenol | 8.32 | 108 | 95196 | 18.936 | ng/ul | 90 |
| 17) Hexachloroethane | 8.58 | 117 | 48973 | 20.891 | ng/ul# | 72 |
| 20) Nitrobenzene | 8.73 | 77 | 144798 | 19.888 | ng/ul# | 90 |
| 21) Isophorone | 9.25 | 82 | 245277 | 19.695 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.43 | 139 | 56257 | 20.385 | ng/ul | 97 |
| 24) 2,4-Dimethylphenol | 9.50 | 107 | 135891 | 20.085 | ng/ul | 93 |
| 25) Bis(2-Chloroethoxy)methane | 9.73 | 93 | 130704 | 19.925 | ng/ul | 96 |
| 27) 2,4-Dichlorophenol | 9.96 | 162 | 94282 | 18.829 | ng/ul# | 92 |
| 28) Naphthalene | 10.35 | 128 | 336666 | 19.677 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.49 | 127 | 116439 | 21.959 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 10.62 | 225 | 82938 | 20.877 | ng/ul | 97 |
| 32) Caprolactam | 11.27 | 113 | 31155m | 19.426 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.62 | 107 | 121359 | 20.058 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 11.97 | 142 | 267903 | 20.572 | ng/ul | 93 |

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|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.35 | 216 | 153705 | 19.396 | ng/ul# | 98 |
| 37) Hexachlorocyclopentadiene | 12.32 | 237 | 74483 | 17.271 | ng/ul | 95 |
| 38) 2,4,6-Trichlorophenol | 12.61 | 196 | 98121 | 19.846 | ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 12.69 | 196 | 91269 | 18.064 | ng/ul | 99 |
| 40) 1,1'-Biphenyl | 13.01 | 154 | 377226 | 19.836 | ng/ul | 98 |
| 41) 2-Chloronaphthalene | 13.04 | 162 | 299488 | 19.715 | ng/ul | 96 |
| 42) 2-Nitroaniline | 13.28 | 65 | 103492 | 20.134 | ng/ul# | 87 |
| 44) Dimethylphthalate | 13.66 | 163 | 394200 | 19.609 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.79 | 165 | 77972 | 20.415 | ng/ul# | 68 |
| 47) Acenaphthylene | 13.90 | 152 | 476913 | 20.071 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.12 | 138 | 57345 | 17.714 | ng/ul | 95 |
| 49) Acenaphthene | 14.24 | 153 | 337333 | 20.162 | ng/ul | 100 |
| 50) 2,4-Dinitrophenol | 14.35 | 184 | 29311 | 14.269 | ng/ul# | 53 |
| 52) 4-Nitrophenol | 14.44 | 109 | 56425 | 15.290 | ng/ul# | 64 |
| 53) Dibenzofuran | 14.59 | 168 | 515773 | 20.559 | ng/ul | 94 |
| 54) 2,4-Dinitrotoluene | 14.59 | 165 | 128305 | 20.966 | ng/ul# | 48 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.83 | 232 | 102785 | 20.117 | ng/ul# | 76 |
| 56) Diethylphthalate | 15.03 | 149 | 450865 | 20.127 | ng/ul# | 92 |
| 58) Fluorene | 15.24 | 166 | 434737 | 20.073 | ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.24 | 204 | 228866 | 20.203 | ng/ul# | 87 |
| 60) 4-Nitroaniline | 15.30 | 138 | 58752m | 16.183 | ng/ul | |
| 63) 4,6-Dinitro-2-methylphenol | 15.35 | 198 | 66700 | 17.083 | ng/ul# | 90 |
| 64) N-Nitrosodiphenylamine | 15.46 | 169 | 359138 | 19.543 | ng/ul | 97 |
| 65) 4-Bromophenyl-phenylether | 16.14 | 248 | 142953 | 20.034 | ng/ul# | 88 |
| 66) Hexachlorobenzene | 16.24 | 284 | 151637 | 20.208 | ng/ul# | 71 |
| 67) Atrazine | 16.43 | 200 | 144819 | 19.954 | ng/ul | 98 |
| 68) Pentachlorophenol | 16.60 | 266 | 70940 | 18.041 | ng/ul | 97 |
| 69) Phenanthrene | 16.99 | 178 | 730497 | 19.826 | ng/ul | 99 |
| 71) Anthracene | 17.07 | 178 | 735765 | 19.857 | ng/ul | 99 |
| 72) Carbazole | 17.36 | 167 | 581307 | 18.657 | ng/ul | 97 |
| 73) Di-n-butylphthalate | 17.92 | 149 | 807013 | 20.077 | ng/ul | 99 |
| 74) Fluoranthene | 19.02 | 202 | 877476 | 19.934 | ng/ul# | 98 |
| 77) Pyrene | 19.37 | 202 | 885089 | 19.455 | ng/ul# | 90 |
| 78) Butylbenzylphthalate | 20.29 | 149 | 368826 | 19.607 | ng/ul# | 91 |
| 79) 3,3'-Dichlorobenzidine | 21.08 | 252 | 216851 | 18.018 | ng/ul# | 94 |
| 80) Benzo(a)anthracene | 21.13 | 228 | 857215 | 20.064 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.07 | 149 | 530938 | 19.708 | ng/ul# | 95 |
| 82) Chrysene | 21.19 | 228 | 805970 | 20.222 | ng/ul | 98 |
| 84) Di-n-octyl phthalate | 21.93 | 149 | 848832 | 17.312 | ng/ul | 96 |
| 85) Benzo(b)fluoranthene | 22.67 | 252 | 772577 | 20.194 | ng/ul# | 98 |
| 86) Benzo(k)fluoranthene | 22.71 | 252 | 713511 | 19.616 | ng/ul# | 97 |
| 88) Benzo(a)pyrene | 23.23 | 252 | 666827 | 19.505 | ng/ul# | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 25.47 | 276 | 641512 | 19.338 | ng/ul# | 95 |
| 90) Dibenzo(a,h)anthracene | 25.49 | 278 | 532004 | 19.300 | ng/ul# | 97 |
| 91) Benzo(g,h,i)perylene | 26.13 | 276 | 519642 | 19.336 | ng/ul# | 94 |

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

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