Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120818\
Data File : BM018023.D
Acq On : 08 Dec 2018 17:53
Operator : JU/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02085

Quant Time: Dec 10 03:40:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 07 22:20:53 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.55 | 152 | 134272 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.32 | 136 | 522852 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.20 | 164 | 268259 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.96 | 188 | 555998 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.17 | 240 | 612441 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.34 | 264 | 637671 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.16 | 96 | 23607 | 8.05 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.75 | 99 | 194088 | 15.83 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.90 | 67 | 120482 | 16.29 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.09 | 132 | 174361 | 18.17 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.26 | 113 | 150013 | 14.97 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.70 | 128 | 77026 | 19.18 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.42 | 143 | 82586 | 17.95 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.95 | 165 | 157503 | 17.98 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.48 | 131 | 127401 | 16.95 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.62 | 166 | 407445 | 17.50 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.89 | 160 | 531691 | 18.87 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.44 | 143 | 53882 | 12.73 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.20 | 176 | 359680 | 17.90 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.34 | 200 | 59429 | 14.95 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.06 | 188 | 528464 | 19.09 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.36 | 212 | 559748 | 18.89 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.21 | 264 | 634433 | 18.34 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.19 | 88 | 24498 | 7.826 | ng/uL | 96 |
| 4) Benzaldehyde | 6.72 | 77 | 35183 | 15.386 | ng/ul | 94 |
| 6) Phenol | 6.77 | 94 | 193908 | 15.841 | ng/ul | 94 |
| 8) Bis(2-Chloroethyl)ether | 7.00 | 93 | 156612 | 16.747 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.12 | 128 | 170209 | 17.755 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.00 | 108 | 146205 | 15.655 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.08 | 45 | 165670 | 15.016 | ng/ul | 99 |
| 14) Acetophenone | 8.37 | 105 | 230789 | 14.777 | ng/ul | 97 |
| 15) N-Nitroso-di-n-propylamine | 8.36 | 70 | 113120 | 13.887 | ng/ul | 97 |
| 16) 4-Methylphenol | 8.33 | 108 | 151530 | 15.015 | ng/ul | 98 |
| 17) Hexachloroethane | 8.60 | 117 | 70309 | 18.089 | ng/ul | 93 |
| 20) Nitrobenzene | 8.75 | 77 | 175138 | 17.375 | ng/ul | 93 |
| 21) Isophorone | 9.27 | 82 | 305352 | 16.284 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.45 | 139 | 88908 | 18.566 | ng/ul | 92 |
| 24) 2,4-Dimethylphenol | 9.52 | 107 | 173800 | 17.373 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 9.75 | 93 | 195432 | 17.031 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 9.98 | 162 | 149945 | 18.128 | ng/ul | 98 |
| 28) Naphthalene | 10.37 | 128 | 515347 | 18.918 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.50 | 127 | 130802 | 17.055 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.65 | 225 | 106619 | 19.409 | ng/ul | 99 |
| 32) Caprolactam | 11.28 | 113 | 36175 | 13.219 | ng/ul | 95 |
| 33) 4-Chloro-3-methylphenol | 11.63 | 107 | 146879 | 15.636 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 11.99 | 142 | 354245 | 17.420 | ng/ul | 97 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.37 | 216 | 184752 | 20.640 ng/ul | 98 |
| 37) Hexachlorocyclopentadiene | 12.33 | 237 | 88376 | 15.310 ng/ul | 96 |
| 38) 2,4,6-Trichlorophenol | 12.62 | 196 | 109767 | 18.869 ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 12.70 | 196 | 114432 | 18.393 ng/ul | 100 |
| 40) 1,1'-Biphenyl | 13.03 | 154 | 430915 | 19.514 ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.06 | 162 | 344311 | 19.932 ng/ul | 98 |
| 42) 2-Nitroaniline | 13.29 | 65 | 80427 | 15.988 ng/ul | 99 |
| 44) Dimethylphthalate | 13.67 | 163 | 403563 | 17.896 ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.80 | 165 | 78303 | 17.671 ng/ul | 99 |
| 47) Acenaphthylene | 13.92 | 152 | 501902 | 19.077 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.13 | 138 | 68524 | 16.210 ng/ul | 95 |
| 49) Acenaphthene | 14.27 | 153 | 358587 | 18.912 ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.36 | 184 | 32797 | 10.916 ng/ul | 94 |
| 52) 4-Nitrophenol | 14.46 | 109 | 42823 | 12.303 ng/ul | 96 |
| 53) Dibenzofuran | 14.60 | 168 | 494794 | 18.441 ng/ul | 99 |
| 54) 2,4-Dinitrotoluene | 14.60 | 165 | 115589 | 17.228 ng/ul | 95 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.84 | 232 | 97922 | 17.070 ng/ul# | 99 |
| 56) Diethylphthalate | 15.04 | 149 | 394671 | 16.989 ng/ul | 99 |
| 58) Fluorene | 15.26 | 166 | 399314 | 17.847 ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.26 | 204 | 205946 | 17.919 ng/ul | 96 |
| 60) 4-Nitroaniline | 15.31 | 138 | 59290 | 12.616 ng/ul | 97 |
| 63) 4,6-Dinitro-2-methylphenol | 15.36 | 198 | 65573 | 16.008 ng/ul# | 91 |
| 64) N-Nitrosodiphenylamine | 15.48 | 169 | 335262 | 19.585 ng/ul | 98 |
| 65) 4-Bromophenyl-phenylether | 16.16 | 248 | 125052 | 19.683 ng/ul | 97 |
| 66) Hexachlorobenzene | 16.26 | 284 | 138838 | 19.660 ng/ul | 98 |
| 67) Atrazine | 16.44 | 200 | 113496 | 17.875 ng/ul | 99 |
| 68) Pentachlorophenol | 16.62 | 266 | 71618 | 16.301 ng/ul | 93 |
| 69) Phenanthrene | 17.00 | 178 | 611029 | 19.218 ng/ul | 98 |
| 71) Anthracene | 17.09 | 178 | 625260 | 19.229 ng/ul | 98 |
| 72) 1,2,3,4-Tetrachlorobenzene | 12.99 | 216 | 177029 | 22.467 ng/uL | 98 |
| 73) Pentachlorobenzene | 14.52 | 250 | 169929 | 21.086 ng/uL | 98 |
| 74) Carbazole | 17.38 | 167 | 512441 | 17.885 ng/ul | 99 |
| 75) Di-n-butylphthalate | 17.94 | 149 | 619401 | 17.106 ng/ul | 99 |
| 76) Fluoranthene | 19.03 | 202 | 679800 | 18.177 ng/ul | 99 |
| 79) Pyrene | 19.40 | 202 | 706191 | 18.995 ng/ul | 99 |
| 80) Butylbenzylphthalate | 20.32 | 149 | 271425 | 17.074 ng/ul | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.10 | 252 | 217073 | 17.218 ng/ul | 99 |
| 82) Benzo(a)anthracene | 21.16 | 228 | 705145 | 18.563 ng/ul | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.10 | 149 | 398325 | 16.921 ng/ul | 100 |
| 84) Chrysene | 21.21 | 228 | 674962 | 18.999 ng/ul | 98 |
| 86) Di-n-octyl phthalate | 21.96 | 149 | 680027 | 15.226 ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 22.70 | 252 | 708612 | 17.877 ng/ul | 98 |
| 88) Benzo(k)fluoranthene | 22.74 | 252 | 701976 | 18.222 ng/ul | 100 |
| 90) Benzo(a)pyrene | 23.25 | 252 | 690302 | 18.365 ng/ul | 99 |
| 91) Indeno(1,2,3-cd)pyrene | 25.50 | 276 | 841392 | 21.126 ng/ul | 99 |
| 92) Dibenzo(a,h)anthracene | 25.51 | 278 | 692273 | 20.587 ng/ul | 99 |
| 93) Benzo(g,h,i)perylene | 26.16 | 276 | 692150 | 21.503 ng/ul | 99 |

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

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