Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032819\
Data File : BM019577.D
Acq On : 29 Mar 2019 13:07
Operator : JU/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02082

Quant Time: Mar 29 14:14:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 29 09:53:26 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.58 | 152 | 144208 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.36 | 136 | 654713 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.24 | 164 | 382248 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.00 | 188 | 857190 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.20 | 240 | 1036903 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.41 | 264 | 1243585 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.12 | 96 | 26429 | 7.18 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.76 | 99 | 256001 | 19.93 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.93 | 67 | 166583 | 19.38 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.11 | 132 | 198161 | 20.36 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.29 | 113 | 201062 | 20.86 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.75 | 128 | 91360 | 19.56 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.46 | 143 | 103234 | 19.86 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.99 | 165 | 192320 | 19.61 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.52 | 131 | 242868 | 20.62 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.66 | 166 | 602874 | 19.55 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.93 | 160 | 760692 | 19.72 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.48 | 143 | 95583 | 19.77 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.24 | 176 | 518120 | 19.50 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 97072 | 17.12 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.10 | 188 | 778115 | 18.92 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.40 | 212 | 844258 | 17.63 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.27 | 264 | 1239631 | 18.80 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.16 | 88 | 28972 | 6.913 | ng/uL | 92 |
| 4) Benzaldehyde | 6.75 | 77 | 190758 | 20.737 | ng/ul | 99 |
| 6) Phenol | 6.79 | 94 | 269471 | 20.109 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 7.02 | 93 | 197024 | 19.219 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.15 | 128 | 200912 | 20.306 | ng/ul | 99 |
| 11) 2-Methylphenol | 8.03 | 108 | 194000 | 20.758 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.10 | 45 | 200571 | 20.640 | ng/ul# | 84 |
| 14) Acetophenone | 8.41 | 105 | 315619 | 20.105 | ng/ul | 91 |
| 15) N-Nitroso-di-n-propylamine | 8.39 | 70 | 189800 | 21.575 | ng/ul# | 87 |
| 16) 4-Methylphenol | 8.36 | 108 | 219240 | 21.389 | ng/ul | 97 |
| 17) Hexachloroethane | 8.63 | 117 | 80121 | 19.268 | ng/ul# | 80 |
| 20) Nitrobenzene | 8.79 | 77 | 260313 | 18.724 | ng/ul | 98 |
| 21) Isophorone | 9.30 | 82 | 476770 | 19.990 | ng/ul | 97 |
| 23) 2-Nitrophenol | 9.49 | 139 | 113258 | 19.752 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 9.55 | 107 | 235187 | 18.876 | ng/ul | 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.79 | 93 | 273122 | 18.977 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.02 | 162 | 190145 | 19.619 | ng/ul | 97 |
| 28) Naphthalene | 10.40 | 128 | 632190 | 18.639 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.55 | 127 | 251448 | 20.278 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 10.67 | 225 | 110729 | 18.110 | ng/ul | 100 |
| 32) Caprolactam | 11.36 | 113 | 63020 | 21.900 | ng/ul | 84 |
| 33) 4-Chloro-3-methylphenol | 11.67 | 107 | 220022 | 21.061 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 12.03 | 142 | 469856 | 19.770 | ng/ul | 99 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.25 | 142 | 439135 | 19.569 | ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.40 | 216 | 214583 | 17.642 | ng/ul# | 95 |
| 38) Hexachlorocyclopentadiene | 12.36 | 237 | 114494 | 18.351 | ng/ul# | 98 |
| 39) 2,4,6-Trichlorophenol | 12.66 | 196 | 144918 | 19.096 | ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 12.74 | 196 | 158021 | 19.416 | ng/ul | 95 |
| 41) 1,1'-Biphenyl | 13.06 | 154 | 595227 | 18.283 | ng/ul# | 95 |
| 42) 2-Chloronaphthalene | 13.10 | 162 | 467970 | 18.770 | ng/ul | 98 |
| 43) 2-Nitroaniline | 13.34 | 65 | 147415 | 21.530 | ng/ul | 89 |
| 45) Dimethylphthalate | 13.70 | 163 | 602053 | 19.455 | ng/ul# | 98 |
| 46) 2,6-Dinitrotoluene | 13.84 | 165 | 117330 | 20.653 | ng/ul | 93 |
| 48) Acenaphthylene | 13.96 | 152 | 746414 | 19.527 | ng/ul | 100 |
| 49) 3-Nitroaniline | 14.18 | 138 | 115007 | 20.688 | ng/ul | 91 |
| 50) Acenaphthene | 14.30 | 153 | 497156 | 18.467 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.40 | 184 | 51990 | 15.805 | ng/ul# | 79 |
| 53) 4-Nitrophenol | 14.49 | 109 | 74154 | 19.597 | ng/ul# | 70 |
| 54) Dibenzofuran | 14.64 | 168 | 711915 | 18.937 | ng/ul | 98 |
| 55) 2,4-Dinitrotoluene | 14.64 | 165 | 179040 | 21.282 | ng/ul# | 57 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.87 | 232 | 137208 | 20.013 | ng/ul# | 79 |
| 57) Diethylphthalate | 15.07 | 149 | 618572 | 20.322 | ng/ul | 95 |
| 59) Fluorene | 15.29 | 166 | 586706 | 19.693 | ng/ul | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.29 | 204 | 282086 | 18.980 | ng/ul | 91 |
| 61) 4-Nitroaniline | 15.35 | 138 | 136785 | 22.541 | ng/ul | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 15.40 | 198 | 103743 | 17.287 | ng/ul# | 82 |
| 65) N-Nitrosodiphenylamine | 15.52 | 169 | 493625 | 18.510 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.19 | 248 | 171765 | 18.452 | ng/ul | 96 |
| 67) Hexachlorobenzene | 16.29 | 284 | 209527 | 18.588 | ng/ul# | 90 |
| 68) Atrazine | 16.47 | 200 | 170987 | 18.321 | ng/ul | 95 |
| 69) Pentachlorophenol | 16.65 | 266 | 105915 | 17.977 | ng/ul | 99 |
| 70) Phenanthrene | 17.04 | 178 | 909429 | 18.712 | ng/ul | 99 |
| 72) Anthracene | 17.13 | 178 | 942848 | 19.016 | ng/ul | 97 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.02 | 216 | 213295 | 17.163 | ng/uL | 98 |
| 74) Pentachlorobenzene | 14.55 | 250 | 219966 | 16.921 | ng/uL | 99 |
| 75) Carbazole | 17.42 | 167 | 867654 | 19.512 | ng/ul | 98 |
| 76) Di-n-butylphthalate | 17.97 | 149 | 1049090 | 21.284 | ng/ul | 99 |
| 77) Fluoranthene | 19.07 | 202 | 1062330 | 19.075 | ng/ul# | 87 |
| 80) Pyrene | 19.43 | 202 | 1095141 | 17.556 | ng/ul# | 83 |
| 81) Butylbenzylphthalate | 20.34 | 149 | 503552 | 20.387 | ng/ul# | 91 |
| 82) 3,3'-Dichlorobenzidine | 21.13 | 252 | 451269 | 20.034 | ng/ul# | 98 |
| 83) Benzo(a)anthracene | 21.19 | 228 | 1197599 | 19.189 | ng/ul | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.11 | 149 | 764098 | 21.343 | ng/ul# | 94 |
| 85) Chrysene | 21.24 | 228 | 1112984 | 18.585 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 21.98 | 149 | 1392418 | 17.951 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.75 | 252 | 1336052 | 17.638 | ng/ul# | 97 |
| 89) Benzo(k)fluoranthene | 22.79 | 252 | 1344879 | 18.488 | ng/ul# | 96 |
| 91) Benzo(a)pyrene | 23.31 | 252 | 1345848 | 18.585 | ng/ul# | 96 |
| 92) Indeno(1,2,3-cd)pyrene | 25.63 | 276 | 1839523 | 20.286 | ng/ul# | 86 |
| 93) Dibenzo(a,h)anthracene | 25.64 | 278 | 1559932 | 20.178 | ng/ul# | 95 |
| 94) Benzo(g,h,i)perylene | 26.31 | 276 | 1492291 | 19.693 | ng/ul# | 92 |

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

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