Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112619\
Data File : BM023887.D
Acq On : 26 Nov 2019 11:36
Operator : JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02009

**Manual Integrations APPROVED**
mohammad
11/27/2019 8:56:14 AM

Quant Time: Nov 26 13:39:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 26 13:12:07 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.50 | 152 | 365705 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.27 | 136 | 1556520 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.16 | 164 | 995347 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.92 | 188 | 2013408 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.12 | 240 | 1837306 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.27 | 264 | 2100366 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.04 | 96 | 62291 | 7.02 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.69 | 99 | 578424 | 17.35 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.85 | 67 | 335619 | 17.52 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.04 | 132 | 453141 | 18.76 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.22 | 113 | 463523 | 17.43 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.65 | 128 | 219197 | 19.67 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.37 | 143 | 254756 | 21.75 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.91 | 165 | 478265 | 17.91 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.42 | 131 | 581612 | 19.84 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.58 | 166 | 1413118 | 18.21 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.85 | 160 | 1666491 | 18.81 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.39 | 143 | 225493 | 17.02 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.16 | 176 | 1186466 | 17.31 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.30 | 200 | 212532 | 18.25 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.01 | 188 | 1757046m | 18.40 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.32 | 212 | 1785169 | 18.64 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.13 | 264 | 1997066 | 18.07 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.08 | 88 | 66667 | 7.013 | ng/uL | 90 |
| 4) Benzaldehyde | 6.65 | 77 | 251760 | 12.873 | ng/ul | 99 |
| 6) Phenol | 6.72 | 94 | 605363 | 17.628 | ng/ul | 96 |
| 8) Bis(2-Chloroethyl)ether | 6.94 | 93 | 469002 | 17.832 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.07 | 128 | 475921 | 19.110 | ng/ul | 99 |
| 11) 2-Methylphenol | 7.95 | 108 | 454272 | 17.723 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.03 | 45 | 506813 | 19.752 | ng/ul | 95 |
| 14) Acetophenone | 8.32 | 105 | 735096 | 17.724 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.31 | 70 | 404577 | 18.568 | ng/ul | 98 |
| 16) 4-Methylphenol | 8.28 | 108 | 502820 | 17.716 | ng/ul | 98 |
| 17) Hexachloroethane | 8.56 | 117 | 197851 | 20.025 | ng/ul | 89 |
| 20) Nitrobenzene | 8.69 | 77 | 552455 | 18.754 | ng/ul | 95 |
| 21) Isophorone | 9.22 | 82 | 1089801 | 18.965 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.40 | 139 | 278482 | 21.380 | ng/ul | 97 |
| 24) 2,4-Dimethylphenol | 9.47 | 107 | 553788 | 18.605 | ng/ul | 97 |
| 25) Bis(2-Chloroethoxy)methane | 9.70 | 93 | 666846 | 18.492 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 9.93 | 162 | 472962 | 18.415 | ng/ul | 97 |
| 28) Naphthalene | 10.32 | 128 | 1548435 | 18.927 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.45 | 127 | 621822 | 20.632 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 10.61 | 225 | 287739 | 16.592 | ng/ul | 98 |
| 32) Caprolactam | 11.25 | 113 | 140050 | 16.826 | ng/ul | 98 |
| 33) 4-Chloro-3-methylphenol | 11.59 | 107 | 513962 | 18.029 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 11.95 | 142 | 1142446 | 18.255 | ng/ul | 97 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.17 | 142 | 1106573 | 17.928 | ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.33 | 216 | 566767 | 17.427 | ng/ul | 96 |
| 38) Hexachlorocyclopentadiene | 12.30 | 237 | 294743 | 17.301 | ng/ul | 97 |
| 39) 2,4,6-Trichlorophenol | 12.58 | 196 | 381749 | 19.037 | ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 12.66 | 196 | 396253 | 18.144 | ng/ul | 98 |
| 41) 1,1'-Biphenyl | 12.99 | 154 | 1504121 | 19.589 | ng/ul | 99 |
| 42) 2-Chloronaphthalene | 13.02 | 162 | 1148141 | 19.427 | ng/ul | 98 |
| 43) 2-Nitroaniline | 13.24 | 65 | 307430 | 21.870 | ng/ul | 96 |
| 45) Dimethylphthalate | 13.63 | 163 | 1423191 | 18.710 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 13.75 | 165 | 287411 | 20.745 | ng/ul | 99 |
| 48) Acenaphthylene | 13.87 | 152 | 1755870 | 19.690 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.07 | 138 | 238711 | 18.130 | ng/ul | 95 |
| 50) Acenaphthene | 14.22 | 153 | 1223861 | 19.339 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.30 | 184 | 114101 | 13.063 | ng/ul | 94 |
| 53) 4-Nitrophenol | 14.40 | 109 | 169346 | 15.838 | ng/ul | 90 |
| 54) Dibenzofuran | 14.56 | 168 | 1728841 | 18.454 | ng/ul | 100 |
| 55) 2,4-Dinitrotoluene | 14.55 | 165 | 416450 | 19.666 | ng/ul | 96 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.80 | 232 | 354287 | 17.139 | ng/ul | 91 |
| 57) Diethylphthalate | 15.00 | 149 | 1416601 | 18.979 | ng/ul | 97 |
| 59) Fluorene | 15.22 | 166 | 1397668 | 18.390 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.22 | 204 | 697598 | 17.009 | ng/ul | 95 |
| 61) 4-Nitroaniline | 15.25 | 138 | 250261 | 15.518 | ng/ul | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 15.32 | 198 | 233704 | 18.454 | ng/ul | 93 |
| 65) N-Nitrosodiphenylamine | 15.43 | 169 | 1217445 | 20.609 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.11 | 248 | 454572 | 18.474 | ng/ul | 96 |
| 67) Hexachlorobenzene | 16.23 | 284 | 524734 | 18.101 | ng/ul | 97 |
| 68) Atrazine | 16.40 | 200 | 408147 | 18.444 | ng/ul | 97 |
| 69) Pentachlorophenol | 16.57 | 266 | 268460 | 15.619 | ng/ul | 100 |
| 70) Phenanthrene | 16.96 | 178 | 2134601 | 19.248 | ng/ul | 99 |
| 72) Anthracene | 17.04 | 178 | 2183328 | 19.579 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.95 | 216 | 553955 | 19.407 | ng/uL | 98 |
| 74) Pentachlorobenzene | 14.49 | 250 | 593871 | 18.830 | ng/uL | 99 |
| 75) Carbazole | 17.32 | 167 | 1888505 | 20.316 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 17.90 | 149 | 2300148 | 22.439 | ng/ul | 100 |
| 77) Fluoranthene | 18.98 | 202 | 2333652 | 19.641 | ng/ul# | 93 |
| 80) Pyrene | 19.34 | 202 | 2398699 | 20.198 | ng/ul | 95 |
| 81) Butylbenzylphthalate | 20.27 | 149 | 1012110 | 26.908 | ng/ul | 96 |
| 82) 3,3'-Dichlorobenzidine | 21.04 | 252 | 773238 | 20.054 | ng/ul# | 99 |
| 83) Benzo(a)anthracene | 21.10 | 228 | 2304523 | 19.016 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.06 | 149 | 1464459 | 25.787 | ng/ul | 98 |
| 85) Chrysene | 21.16 | 228 | 2172432 | 19.041 | ng/ul | 100 |
| 87) Di-n-octyl phthalate | 21.92 | 149 | 2461629 | 23.979 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.63 | 252 | 2362586 | 17.646 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.67 | 252 | 2400211 | 18.607 | ng/ul# | 98 |
| 91) Benzo(a)pyrene | 23.18 | 252 | 2312235 | 18.864 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 25.40 | 276 | 2794297 | 21.320 | ng/ul | 97 |
| 93) Dibenzo(a,h)anthracene | 25.41 | 278 | 2364967 | 21.381 | ng/ul | 98 |
| 94) Benzo(g,h,i)perylene | 26.05 | 276 | 2344348 | 22.073 | ng/ul | 98 |

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

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