Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111119\
Data File : BM023653.D
Acq On : 12 Nov 2019 02:19
Operator : JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02010

**Manual Integrations APPROVED**
mohammad
11/12/2019 10:44:15 AM

Quant Time: Nov 12 03:36:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 12 00:02:36 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.55 | 152 | 380718 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.32 | 136 | 1752927 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.20 | 164 | 1271609 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.95 | 188 | 2936677 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.15 | 240 | 2873708 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.32 | 264 | 2718222 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.08 | 96 | 75693 | 8.20 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.73 | 99 | 763370 | 22.00 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.89 | 67 | 441902 | 22.16 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.08 | 132 | 565123 | 22.48 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.26 | 113 | 632651 | 22.85 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.69 | 128 | 290331 | 23.14 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.41 | 143 | 324136 | 24.58 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.95 | 165 | 691265 | 22.99 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.46 | 131 | 728199 | 22.05 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.62 | 166 | 2173963 | 21.92 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.89 | 160 | 2518875 | 22.26 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.42 | 143 | 384086 | 22.69 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.20 | 176 | 1906371 | 21.77 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.33 | 200 | 364211 | 21.44 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.05 | 188 | 3060148 | 21.97 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.35 | 212 | 3394750 | 22.66 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.18 | 264 | 3145768 | 21.99 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.10 | 88 | 78984 | 7.981 | ng/uL | 99 |
| 4) Benzaldehyde | 6.69 | 77 | 492244 | 24.177 | ng/ul | 98 |
| 6) Phenol | 6.76 | 94 | 775204 | 21.683 | ng/ul | 100 |
| 8) Bis(2-Chloroethyl)ether | 6.98 | 93 | 588310 | 21.486 | ng/ul | 97 |
| 10) 2-Chlorophenol | 7.12 | 128 | 580443 | 22.388 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.00 | 108 | 588184 | 22.042 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.08 | 45 | 588273 | 22.022 | ng/ul | 99 |
| 14) Acetophenone | 8.37 | 105 | 950950 | 22.025 | ng/ul | 98 |
| 15) N-Nitroso-di-n-propylamine | 8.36 | 70 | 529003 | 23.321 | ng/ul | 98 |
| 16) 4-Methylphenol | 8.32 | 108 | 662047 | 22.407 | ng/ul | 97 |
| 17) Hexachloroethane | 8.62 | 117 | 227513 | 22.120 | ng/ul | 98 |
| 20) Nitrobenzene | 8.74 | 77 | 739835 | 22.301 | ng/ul | 97 |
| 21) Isophorone | 9.27 | 82 | 1455750 | 22.494 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.45 | 139 | 350870 | 23.920 | ng/ul | 98 |
| 24) 2,4-Dimethylphenol | 9.52 | 107 | 755801 | 22.547 | ng/ul | 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.75 | 93 | 891159 | 21.943 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 9.97 | 162 | 656667 | 22.702 | ng/ul | 99 |
| 28) Naphthalene | 10.37 | 128 | 1990009 | 21.599 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.49 | 127 | 739832 | 21.797 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 10.66 | 225 | 420801 | 21.546 | ng/ul | 99 |
| 32) Caprolactam | 11.27 | 113 | 224210m | 23.919 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.63 | 107 | 747649 | 23.287 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 11.99 | 142 | 1559292 | 22.124 | ng/ul | 98 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.22 | 142 | 1529421 | 22.003 | ng/ul | 99 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.37 | 216 | 892848 | 21.489 | ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 12.36 | 237 | 340873 | 15.662 | ng/ul | 98 |
| 39) 2,4,6-Trichlorophenol | 12.62 | 196 | 584408 | 22.811 | ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 12.69 | 196 | 639972 | 22.937 | ng/ul | 98 |
| 41) 1,1'-Biphenyl | 13.03 | 154 | 2114492 | 21.556 | ng/ul | 99 |
| 42) 2-Chloronaphthalene | 13.06 | 162 | 1634591 | 21.649 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.27 | 65 | 446726 | 24.875 | ng/ul | 97 |
| 45) Dimethylphthalate | 13.67 | 163 | 2118485 | 21.800 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 13.79 | 165 | 428070 | 24.184 | ng/ul | 95 |
| 48) Acenaphthylene | 13.92 | 152 | 2509140 | 22.024 | ng/ul | 100 |
| 49) 3-Nitroaniline | 14.11 | 138 | 388762 | 23.112 | ng/ul | 95 |
| 50) Acenaphthene | 14.27 | 153 | 1766456 | 21.849 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.33 | 184 | 208982 | 18.727 | ng/ul | 98 |
| 53) 4-Nitrophenol | 14.43 | 109 | 305629 | 22.373 | ng/ul | 99 |
| 54) Dibenzofuran | 14.60 | 168 | 2594248 | 21.676 | ng/ul | 100 |
| 55) 2,4-Dinitrotoluene | 14.58 | 165 | 634733 | 23.462 | ng/ul | 98 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.84 | 232 | 605902 | 22.943 | ng/ul | 99 |
| 57) Diethylphthalate | 15.04 | 149 | 2130661 | 22.343 | ng/ul | 99 |
| 59) Fluorene | 15.26 | 166 | 2119251 | 21.826 | ng/ul | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.26 | 204 | 1133821 | 21.639 | ng/ul | 99 |
| 61) 4-Nitroaniline | 15.28 | 138 | 480953 | 23.344 | ng/ul | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.34 | 198 | 391349 | 21.187 | ng/ul | 96 |
| 65) N-Nitrosodiphenylamine | 15.47 | 169 | 1878379 | 21.801 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.15 | 248 | 782591 | 21.806 | ng/ul | 98 |
| 67) Hexachlorobenzene | 16.26 | 284 | 922030 | 21.806 | ng/ul | 98 |
| 68) Atrazine | 16.43 | 200 | 712700 | 22.081 | ng/ul | 99 |
| 69) Pentachlorophenol | 16.61 | 266 | 527866 | 21.056 | ng/ul | 99 |
| 70) Phenanthrene | 16.99 | 178 | 3498589 | 21.629 | ng/ul | 100 |
| 72) Anthracene | 17.09 | 178 | 3577139 | 21.993 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.99 | 216 | 892512 | 21.437 | ng/uL | 100 |
| 74) Pentachlorobenzene | 14.53 | 250 | 991922 | 21.564 | ng/uL | 98 |
| 75) Carbazole | 17.36 | 167 | 3164310 | 23.338 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 17.94 | 149 | 3602395 | 24.094 | ng/ul | 99 |
| 77) Fluoranthene | 19.02 | 202 | 4250549 | 24.527 | ng/ul | 99 |
| 80) Pyrene | 19.38 | 202 | 4312847 | 23.218 | ng/ul | 100 |
| 81) Butylbenzylphthalate | 20.30 | 149 | 1623439 | 27.595 | ng/ul | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.07 | 252 | 1380114 | 22.884 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.14 | 228 | 4255938 | 22.452 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.09 | 149 | 2310951 | 26.017 | ng/ul | 99 |
| 85) Chrysene | 21.19 | 228 | 3969313 | 22.243 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 21.95 | 149 | 3629867 | 27.322 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.67 | 252 | 3868127 | 22.323 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.72 | 252 | 3697305 | 22.148 | ng/ul | 100 |
| 91) Benzo(a)pyrene | 23.22 | 252 | 3473898 | 21.900 | ng/ul | 100 |
| 92) Indeno(1,2,3-cd)pyrene | 25.47 | 276 | 3629964 | 21.400 | ng/ul | 99 |
| 93) Dibenzo(a,h)anthracene | 25.48 | 278 | 3039393 | 21.232 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 26.12 | 276 | 2945122 | 21.427 | ng/ul | 99 |

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

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