Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011921\
Data File : BN013422.D
Acq On : 19 Jan 2021 11:59
Operator : CG/JU
Sample : L5214-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-WATER-QT1-2021-01

**Manual Integrations APPROVED**
mohammad
1/20/2021 2:17:41 PM

Quant Time: Jan 19 13:14:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN011521.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 19 10:08:46 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.58 | 152 | 517123 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.35 | 136 | 2108353 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.22 | 164 | 1200457 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.97 | 188 | 2336774 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.17 | 240 | 2039755 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.36 | 264 | 1695061 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.18 | 96 | 46309 | 3.57 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.56 | 84 | 650117 | 19.31 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.76 | 99 | 1517239 | 36.48 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d | 6.93 | 67 | 941729 | 38.57 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.12 | 132 | 1336581 | 37.41 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.28 | 113 | 1245878 | 37.29 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.73 | 128 | 623930 | 38.21 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.44 | 143 | 646395 | 37.96 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.97 | 165 | 1171862 | 35.64 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.49 | 131 | 1730369 | 36.44 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.64 | 166 | 3300190 | 36.53 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.91 | 160 | 4452859 | 39.32 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.42 | 143 | 580771 | 33.59 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.22 | 176 | 2871844 | 36.20 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.34 | 200 | 445111 | 32.27 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.07 | 188 | 4200941 | 37.00 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.37 | 212 | 4334687 | 37.11 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.23 | 264 | 3332423 | 37.09 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.22 | 88 | 16975 | 1.266 | ng/uL | 91 |
| 5) Pyridine | 3.59 | 79 | 136895 | 4.025 | ng/ul# | 72 |
| 6) Benzaldehyde | 6.73 | 77 | 85758 | 5.464 | ng/ul | 97 |
| 8) Phenol | 6.79 | 94 | 180919 | 4.220 | ng/ul | 100 |
| 10) Bis(2-Chloroethyl)ether | 7.02 | 93 | 153192 | 4.360 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.15 | 128 | 157207 | 4.258 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.02 | 108 | 122118 | 3.738 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropropan | 8.11 | 45 | 213239 | 4.348 | ng/ul | 98 |
| 16) Acetophenone | 8.39 | 105 | 212271 | 4.188 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propylamine | 8.39 | 70 | 89864 | 3.925 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.34 | 108 | 145328 | 4.132 | ng/ul | 99 |
| 19) Hexachloroethane | 8.65 | 117 | 60212 | 3.974 | ng/ul | 99 |
| 22) Nitrobenzene | 8.76 | 77 | 162113 | 4.376 | ng/ul | 97 |
| 23) Isophorone | 9.29 | 82 | 230230 | 3.507 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.47 | 139 | 82263 | 4.307 | ng/ul | 99 |
| 26) 2,4-Dimethylphenol | 9.53 | 107 | 150377 | 4.043 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)methane | 9.77 | 93 | 182359 | 4.035 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.00 | 162 | 137443 | 4.178 | ng/ul | 96 |
| 30) Naphthalene | 10.40 | 128 | 506326 | 4.230 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.50 | 127 | 195753 | 4.274 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 10.69 | 225 | 89586 | 4.168 | ng/ul | 93 |
| 34) Caprolactam | 11.29 | 113 | 25403 | 2.659 | ng/ul | 96 |

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|---|---|---|---|---|---|---|
| 35) 4-Chloro-3-methylphenol | 11.63 | 107 | 117893 | 3.594 | ng/ul | 97 |
| 36) 2-Methylnaphthalene | 12.02 | 142 | 337161 | 4.185 | ng/ul | 96 |
| 37) 1-Methylnaphthalene | 12.24 | 142 | 328344 | 4.229 | ng/ul | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216 | 161505 | 4.194 | ng/ul | 94 |
| 40) Hexachlorocyclopentadiene | 12.37 | 237 | 88876 | 3.739 | ng/ul | 95 |
| 41) 2,4,6-Trichlorophenol | 12.64 | 196 | 81648 | 3.493 | ng/ul | 100 |
| 42) 2,4,5-Trichlorophenol | 12.70 | 196 | 95234 | 3.743 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.05 | 154 | 427739 | 4.232 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.08 | 162 | 332137 | 4.168 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.29 | 65 | 59077 | 3.299 | ng/ul | 99 |
| 47) Dimethylphthalate | 13.69 | 163 | 383264 | 4.114 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.80 | 165 | 59133 | 3.313 | ng/ul | 96 |
| 50) Acenaphthylene | 13.94 | 152 | 492846 | 4.212 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.12 | 138 | 54449 | 3.287 | ng/ul | 95 |
| 52) Acenaphthene | 14.29 | 153 | 348416 | 4.174 | ng/ul | 100 |
| 53) 2,4-Dinitrophenol | 14.33 | 184 | 20622 | 2.064 | ng/ul | 93 |
| 55) 4-Nitrophenol | 14.43 | 109 | 50278m | 4.054 | ng/ul | |
| 56) Dibenzofuran | 14.62 | 168 | 485198 | 4.289 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 14.59 | 165 | 91697 | 3.614 | ng/ul | 93 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.85 | 232 | 69360 | 3.378 | ng/ul | 100 |
| 59) Diethylphthalate | 15.06 | 149 | 346696 | 3.817 | ng/ul | 100 |
| 61) Fluorene | 15.27 | 166 | 391494 | 4.342 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenylether | 15.27 | 204 | 189685 | 4.309 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.29 | 138 | 53131 | 3.605 | ng/ul | 94 |
| 66) 4,6-Dinitro-2-methylphenol | 15.35 | 198 | 55227 | 3.694 | ng/ul# | 75 |
| 67) N-Nitrosodiphenylamine | 15.49 | 169 | 314535 | 4.158 | ng/ul | 96 |
| 68) 4-Bromophenyl-phenylether | 16.17 | 248 | 103078 | 3.906 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.28 | 284 | 123379 | 4.135 | ng/ul | 97 |
| 70) Atrazine | 16.45 | 200 | 85942 | 3.403 | ng/ul | 97 |
| 71) Pentachlorophenol | 16.62 | 266 | 43371 | 2.570 | ng/ul | 96 |
| 72) Phenanthrene | 17.02 | 178 | 599798 | 4.269 | ng/ul | 99 |
| 74) Anthracene | 17.10 | 178 | 608388 | 4.295 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.00 | 216 | 158804 | 4.210 | ng/uL | 95 |
| 76) Pentachlorobenzene | 14.54 | 250 | 153336 | 4.176 | ng/uL | 97 |
| 77) Carbazole | 17.37 | 167 | 478126 | 4.106 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 17.96 | 149 | 478651 | 3.441 | ng/ul | 100 |
| 80) Fluoranthene | 19.04 | 202 | 613662 | 4.042 | ng/ul | 98 |
| 82) Pyrene | 19.40 | 202 | 681147 | 4.353 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.33 | 149 | 154278 | 2.808 | ng/ul | 94 |
| 84) 3,3'-Dichlorobenzidine | 21.10 | 252 | 98409 | 2.574 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.16 | 228 | 554871 | 4.086 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phthalate | 21.12 | 149 | 219655 | 2.774 | ng/ul | 100 |
| 87) Chrysene | 21.22 | 228 | 573540 | 4.286 | ng/ul | 97 |
| 89) Di-n-octyl phthalate | 21.99 | 149 | 299640 | 2.708 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.71 | 252 | 498631 | 4.359 | ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 22.75 | 252 | 473995 | 4.212 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 23.27 | 252 | 432315 | 4.228 | ng/ul | 96 |
| 94) Indeno(1,2,3-cd)pyrene | 25.54 | 276 | 459117 | 3.977 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 25.55 | 278 | 385014 | 3.990 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 26.20 | 276 | 376778 | 3.890 | ng/ul | 98 |

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

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