Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050121\
Data File : BM029781.D
Acq On : 02 May 2021 12:52
Operator : CG/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD020021

Manual Integrations APPROVED
mohammad
5/3/2021 12:25:37 PM

Quant Time: May 03 05:26:50 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050121.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 01 16:23:05 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.58 | 152 | 50303 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.35 | 136 | 184646 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.22 | 164 | 142022 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.96 | 188 | 325934 | 20.00 | ng/ul | -0.01 |
| 79) Chrysene-d12 | 21.15 | 240 | 397407 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.32 | 264 | 430884 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.08 | 96 | 7404 | 7.19 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.50 | 84 | 38162 | 17.13 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.76 | 99 | 60300 | 17.80 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d | 6.92 | 67 | 31851 | 17.95 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.11 | 132 | 57870 | 18.89 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.29 | 113 | 51239 | 17.66 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.73 | 128 | 25895 | 19.26 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.45 | 143 | 33061 | 19.42 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.98 | 165 | 72112 | 20.27 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.50 | 131 | 74127 | 18.48 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.64 | 166 | 218962 | 19.46 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.91 | 160 | 267269 | 19.27 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.45 | 143 | 24752 | 16.63 | ng/ul | -0.01 |
| 60) Fluorene-d10 | 15.22 | 176 | 195309 | 20.07 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.35 | 200 | 41236 | 17.40 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.06 | 188 | 317477 | 19.32 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.36 | 212 | 398891 | 19.66 | ng/ul | -0.01 |
| 92) Benzo(a)pyrene-d12 | 23.17 | 264 | 462211 | 18.70 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.11 | 88 | 7619 | 7.036 | ng/uL# | 95 |
| 5) Pyridine | 3.52 | 79 | 37526 | 15.824 | ng/ul | 98 |
| 6) Benzaldehyde | 6.73 | 77 | 34534m | 17.777 | ng/ul | |
| 8) Phenol | 6.79 | 94 | 58017 | 17.282 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.01 | 93 | 46418 | 18.067 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.14 | 128 | 58829 | 19.299 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.02 | 108 | 48155 | 17.870 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropropan | 8.10 | 45 | 44000 | 17.447 | ng/ul | 98 |
| 16) Acetophenone | 8.40 | 105 | 77262 | 17.278 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propylamine | 8.38 | 70 | 39251 | 18.213 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.35 | 108 | 52658 | 17.935 | ng/ul | 92 |
| 19) Hexachloroethane | 8.63 | 117 | 25951 | 18.828 | ng/ul | 95 |
| 22) Nitrobenzene | 8.77 | 77 | 55474 | 18.677 | ng/ul | 98 |
| 23) Isophorone | 9.29 | 82 | 108680 | 18.968 | ng/ul | 96 |
| 25) 2-Nitrophenol | 9.47 | 139 | 33869 | 19.173 | ng/ul | 99 |
| 26) 2,4-Dimethylphenol | 9.54 | 107 | 63186 | 19.648 | ng/ul | 96 |
| 27) Bis(2-Chloroethoxy)methane | 9.77 | 93 | 65498 | 19.638 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.00 | 162 | 66965 | 20.159 | ng/ul | 93 |
| 30) Naphthalene | 10.40 | 128 | 190706 | 19.432 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.52 | 127 | 73775 | 18.274 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.68 | 225 | 59520 | 20.731 | ng/ul | 97 |
| 34) Caprolactam | 11.32 | 113 | 15364m | 16.751 | ng/ul | |

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|---|---|---|---|---|---|---|
| 35) 4-Chloro-3-methylphenol | 11.66 | 107 | 54409 | 19.231 | ng/ul | 98 |
| 36) 2-Methylnaphthalene | 12.02 | 142 | 150516 | 19.858 | ng/ul | 97 |
| 37) 1-Methylnaphthalene | 12.24 | 142 | 145933 | 19.780 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216 | 110172 | 19.905 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.37 | 237 | 64989 | 23.920 | ng/ul | 95 |
| 41) 2,4,6-Trichlorophenol | 12.65 | 196 | 63315 | 19.821 | ng/ul | 96 |
| 42) 2,4,5-Trichlorophenol | 12.72 | 196 | 62314 | 18.603 | ng/ul | 96 |
| 43) 1,1'-Biphenyl | 13.05 | 154 | 203750 | 19.185 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.09 | 162 | 166289 | 19.436 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.30 | 65 | 29399 | 17.795 | ng/ul | 99 |
| 47) Dimethylphthalate | 13.69 | 163 | 213546 | 19.571 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.80 | 165 | 42136 | 19.159 | ng/ul | 93 |
| 50) Acenaphthylene | 13.94 | 152 | 247450 | 19.163 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.14 | 138 | 31423 | 16.050 | ng/ul# | 92 |
| 52) Acenaphthene | 14.29 | 153 | 172660 | 19.172 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.36 | 184 | 31644 | 24.134 | ng/ul# | 90 |
| 55) 4-Nitrophenol | 14.46 | 109 | 16733 | 15.899 | ng/ul# | 83 |
| 56) Dibenzofuran | 14.62 | 168 | 262735 | 19.633 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 14.60 | 165 | 60513 | 19.624 | ng/ul# | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.85 | 232 | 67629 | 21.380 | ng/ul | 98 |
| 59) Diethylphthalate | 15.06 | 149 | 201674 | 19.471 | ng/ul | 98 |
| 61) Fluorene | 15.27 | 166 | 216693 | 19.412 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenylether | 15.27 | 204 | 127435 | 20.438 | ng/ul | 96 |
| 63) 4-Nitroaniline | 15.31 | 138 | 36649m | 17.597 | ng/ul | |
| 66) 4,6-Dinitro-2-methylphenol | 15.36 | 198 | 39068 | 17.112 | ng/ul | 96 |
| 67) N-Nitrosodiphenylamine | 15.49 | 169 | 190009 | 18.879 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.16 | 248 | 80763 | 20.200 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.27 | 284 | 93946 | 20.346 | ng/ul | 93 |
| 70) Atrazine | 16.45 | 200 | 75801 | 18.278 | ng/ul | 96 |
| 71) Pentachlorophenol | 16.62 | 266 | 46381 | 19.089 | ng/ul | 98 |
| 72) Phenanthrene | 17.00 | 178 | 360030 | 19.260 | ng/ul | 100 |
| 74) Anthracene | 17.10 | 178 | 370759 | 19.300 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.01 | 216 | 117709 | 19.420 | ng/uL | 98 |
| 76) Pentachlorobenzene | 14.54 | 250 | 111534 | 19.648 | ng/uL | 98 |
| 77) Carbazole | 17.37 | 167 | 302930 | 18.070 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 17.94 | 149 | 350721 | 19.696 | ng/ul | 100 |
| 80) Fluoranthene | 19.03 | 202 | 470149 | 19.696 | ng/ul | 98 |
| 82) Pyrene | 19.39 | 202 | 490906 | 19.328 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.30 | 149 | 160754 | 18.240 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.07 | 252 | 176200 | 17.274 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.13 | 228 | 504288 | 19.392 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phthalate | 21.07 | 149 | 250496 | 18.522 | ng/ul | 100 |
| 87) Chrysene | 21.19 | 228 | 508788 | 19.579 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 21.93 | 149 | 433466 | 17.529 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.67 | 252 | 524533 | 18.679 | ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 22.71 | 252 | 550740 | 19.910 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.22 | 252 | 483753 | 19.041 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 25.48 | 276 | 641321 | 19.275 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 25.49 | 278 | 536607 | 19.324 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 26.14 | 276 | 532116 | 19.473 | ng/ul | 98 |

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

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