Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051721\
Data File : BM030060.D
Acq On : 17 May 2021 20:30
Operator : CG/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD020042

Manual Integrations APPROVED
mohammad
5/19/2021 11:38:02 AM

Quant Time: May 18 01:57:35 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 15 09:59:28 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.52 | 152 | 155924 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.29 | 136 | 642766 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.17 | 164 | 395950 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.92 | 188 | 765740 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.12 | 240 | 775989 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.26 | 264 | 816656 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.04 | 96 | 28775 | 7.37 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.46 | 84 | 160881 | 16.46 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.71 | 99 | 243234 | 16.77 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d | 6.87 | 67 | 160202 | 17.82 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.06 | 132 | 203203 | 18.16 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.24 | 113 | 195620 | 16.31 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.68 | 128 | 88928 | 20.08 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.40 | 143 | 100507 | 20.10 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.93 | 165 | 188935 | 18.85 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.45 | 131 | 255159 | 16.72 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.60 | 166 | 540326 | 17.61 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.86 | 160 | 716803 | 18.43 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.41 | 143 | 73274 | 14.66 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.17 | 176 | 463426 | 17.79 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.32 | 200 | 90406 | 18.18 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.02 | 188 | 698823 | 18.12 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.32 | 212 | 762695 | 19.16 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.13 | 264 | 847030 | 18.30 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.07 | 88 | 33118 | 7.838 | ng/uL | 97 |
| 5) Pyridine | 3.48 | 79 | 172507 | 17.205 | ng/ul | 92 |
| 6) Benzaldehyde | 6.68 | 77 | 146810m | 19.614 | ng/ul | |
| 8) Phenol | 6.74 | 94 | 255685 | 17.271 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 6.96 | 93 | 200386 | 17.119 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.09 | 128 | 207408 | 18.172 | ng/ul | 98 |
| 13) 2-Methylphenol | 7.97 | 108 | 187268 | 16.696 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropropan | 8.05 | 45 | 352337 | 19.983 | ng/ul | 96 |
| 16) Acetophenone | 8.35 | 105 | 317366 | 16.492 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propylamine | 8.33 | 70 | 176538 | 17.930 | ng/ul | 96 |
| 18) 4-Methylphenol | 8.30 | 108 | 199698 | 16.060 | ng/ul | 95 |
| 19) Hexachloroethane | 8.58 | 117 | 90596 | 18.788 | ng/ul | 96 |
| 22) Nitrobenzene | 8.72 | 77 | 244428 | 21.177 | ng/ul | 97 |
| 23) Isophorone | 9.25 | 82 | 442614 | 18.130 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.43 | 139 | 112109 | 20.655 | ng/ul | 99 |
| 26) 2,4-Dimethylphenol | 9.49 | 107 | 230158 | 18.792 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)methane | 9.73 | 93 | 264192 | 18.476 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 9.96 | 162 | 181038 | 18.389 | ng/ul | 97 |
| 30) Naphthalene | 10.35 | 128 | 662216 | 18.561 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.47 | 127 | 262953 | 16.731 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.63 | 225 | 124182 | 18.813 | ng/ul | 97 |
| 34) Caprolactam | 11.27 | 113 | 50908 | 14.570 | ng/ul | 91 |

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|---|---|---|---|---|---|---|
| 35) 4-Chloro-3-methylphenol | 11.60 | 107 | 194471 | 17.850 | ng/ul | 98 |
| 36) 2-Methylnaphthalene | 11.97 | 142 | 453590 | 17.526 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.19 | 142 | 452538 | 17.644 | ng/ul | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.35 | 216 | 230595 | 18.847 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.32 | 237 | 116546 | 18.337 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.60 | 196 | 140784 | 18.869 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 12.67 | 196 | 150205 | 19.022 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.00 | 154 | 565822 | 18.383 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.04 | 162 | 449102 | 19.013 | ng/ul | 100 |
| 45) 2-Nitroaniline | 13.26 | 65 | 128435 | 21.512 | ng/ul | 94 |
| 47) Dimethylphthalate | 13.65 | 163 | 547795 | 17.825 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 13.77 | 165 | 106186 | 19.248 | ng/ul | 96 |
| 50) Acenaphthylene | 13.89 | 152 | 688584 | 18.306 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.10 | 138 | 104416 | 16.848 | ng/ul | 91 |
| 52) Acenaphthene | 14.24 | 153 | 484944 | 18.242 | ng/ul | 100 |
| 53) 2,4-Dinitrophenol | 14.32 | 184 | 67711 | 18.040 | ng/ul | 94 |
| 55) 4-Nitrophenol | 14.42 | 109 | 69419 | 18.062 | ng/ul | 92 |
| 56) Dibenzofuran | 14.57 | 168 | 662533 | 18.196 | ng/ul | 96 |
| 57) 2,4-Dinitrotoluene | 14.56 | 165 | 153036 | 18.747 | ng/ul# | 84 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.81 | 232 | 133651 | 17.774 | ng/ul | 99 |
| 59) Diethylphthalate | 15.02 | 149 | 554937 | 17.314 | ng/ul | 100 |
| 61) Fluorene | 15.23 | 166 | 551493 | 17.717 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenylether | 15.23 | 204 | 267751 | 17.505 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.27 | 138 | 106418m | 17.323 | ng/ul | |
| 66) 4,6-Dinitro-2-methylphenol | 15.33 | 198 | 89526 | 18.289 | ng/ul | 96 |
| 67) N-Nitrosodiphenylamine | 15.44 | 169 | 460712 | 18.521 | ng/ul | 97 |
| 68) 4-Bromophenyl-phenylether | 16.12 | 248 | 158230 | 18.564 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.23 | 284 | 183038 | 18.084 | ng/ul | 98 |
| 70) Atrazine | 16.40 | 200 | 153832 | 16.762 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.58 | 266 | 99993 | 17.241 | ng/ul | 99 |
| 72) Phenanthrene | 16.96 | 178 | 821762 | 18.200 | ng/ul | 100 |
| 74) Anthracene | 17.06 | 178 | 837597 | 18.145 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachlorobenzene | 12.96 | 216 | 244767 | 20.208 | ng/uL | 97 |
| 76) Pentachlorobenzene | 14.50 | 250 | 218710 | 18.934 | ng/uL | 99 |
| 77) Carbazole | 17.33 | 167 | 733507 | 17.343 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 17.90 | 149 | 911685 | 18.161 | ng/ul | 100 |
| 80) Fluoranthene | 18.99 | 202 | 936324 | 19.326 | ng/ul | 98 |
| 82) Pyrene | 19.35 | 202 | 978073 | 19.184 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.26 | 149 | 392048 | 21.637 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.04 | 252 | 325054 | 18.412 | ng/ul | 100 |
| 85) Benzo(a)anthracene | 21.10 | 228 | 951661 | 18.797 | ng/ul | 100 |
| 86) Bis(2-ethylhexyl)phthalate | 21.04 | 149 | 600120 | 19.209 | ng/ul | 98 |
| 87) Chrysene | 21.15 | 228 | 943316 | 18.707 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 21.89 | 149 | 1017119 | 16.276 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.62 | 252 | 1007773 | 19.024 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 22.66 | 252 | 977745 | 17.556 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.17 | 252 | 896118 | 18.626 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 25.40 | 276 | 1159961 | 19.920 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 25.40 | 278 | 979954 | 19.853 | ng/ul | 100 |
| 96) Benzo(g,h,i)perylene | 26.05 | 276 | 957792 | 20.301 | ng/ul | 99 |

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

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