Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111820\
Data File : BN012644.D
Acq On : 19 Nov 2020 22:32
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD02007

Manual Integrations APPROVED
mohammad
11/20/2020 11:31:14 AM

Quant Time: Nov 20 00:53:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN102220.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 18 14:31:59 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.44 | 152 | 145749 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.21 | 136 | 592005 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.10 | 164 | 383098 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.85 | 188 | 826693 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.06 | 240 | 881059 | 20.00 | ng/ul | -0.01 |
| 86) Perylene-d12 | 23.18 | 264 | 964648 | 20.00 | ng/ul | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 2.98 | 96 | 29919 | 7.32 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.63 | 99 | 231604 | 17.45 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.79 | 67 | 151637 | 19.41 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 6.98 | 132 | 190589 | 18.38 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8 | 8.16 | 113 | 191803 | 17.70 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.59 | 128 | 92343 | 19.01 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.30 | 143 | 98080 | 18.18 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.83 | 165 | 190024 | 18.53 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4 | 10.36 | 131 | 222409 | 21.95 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.52 | 166 | 597554 | 19.10 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.79 | 160 | 717989 | 19.23 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.32 | 143 | 99657 | 17.01 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.10 | 176 | 532185 | 19.33 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.23 | 200 | 100323 | 17.79 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 16.95 | 188 | 805681 | 19.18 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.26 | 212 | 870598 | 18.89 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.05 | 264 | 981070 | 18.61 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.01 | 88 | 30089 | 6.803 | ng/uL | 97 |
| 4) Benzaldehyde | 6.60 | 77 | 142280 | 18.602 | ng/ul | 96 |
| 6) Phenol | 6.66 | 94 | 242591 | 17.887 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 6.89 | 93 | 192671 | 18.567 | ng/ul | 94 |
| 10) 2-Chlorophenol | 7.01 | 128 | 194834 | 18.533 | ng/ul | 99 |
| 11) 2-Methylphenol | 7.89 | 108 | 177333 | 17.499 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 7.98 | 45 | 280876 | 20.534 | ng/ul | 97 |
| 14) Acetophenone | 8.26 | 105 | 296934 | 17.844 | ng/ul | 93 |
| 15) N-Nitroso-di-n-propylamine | 8.25 | 70 | 164978 | 19.574 | ng/ul | 95 |
| 16) 4-Methylphenol | 8.22 | 108 | 195082 | 17.617 | ng/ul | 97 |
| 17) Hexachloroethane | 8.50 | 117 | 92177 | 19.990 | ng/ul | 91 |
| 20) Nitrobenzene | 8.63 | 77 | 253717 | 19.164 | ng/ul | 100 |
| 21) Isophorone | 9.16 | 82 | 452513 | 20.225 | ng/ul | 98 |
| 23) 2-Nitrophenol | 9.33 | 139 | 109038 | 18.751 | ng/ul | 88 |
| 24) 2,4-Dimethylphenol | 9.40 | 107 | 240330 | 19.383 | ng/ul | 97 |
| 25) Bis(2-Chloroethoxy)methane | 9.65 | 93 | 261031 | 18.852 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 9.86 | 162 | 193503 | 19.352 | ng/ul | 98 |
| 28) Naphthalene | 10.26 | 128 | 660360 | 19.296 | ng/ul | 97 |
| 30) 4-Chloroaniline | 10.38 | 127 | 217510 | 22.300 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.54 | 225 | 127227 | 19.400 | ng/ul | 96 |
| 32) Caprolactam | 11.15 | 113 | 56736m | 17.859 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.51 | 107 | 213787 | 18.670 | ng/ul | 100 |
| 34) 2-Methylnaphthalene | 11.88 | 142 | 457641 | 19.160 | ng/ul | 97 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.10 | 142 | 544543 | 19.130 ng/uL | 99 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.26 | 216 | 230079 | 19.450 ng/ul | 97 |
| 38) Hexachlorocyclopentadiene | 12.24 | 237 | 143384 | 19.321 ng/ul | 98 |
| 39) 2,4,6-Trichlorophenol | 12.51 | 196 | 149566 | 19.090 ng/ul | 94 |
| 40) 2,4,5-Trichlorophenol | 12.58 | 196 | 152945 | 18.532 ng/ul | 96 |
| 41) 1,1'-Biphenyl | 12.92 | 154 | 592055 | 18.646 ng/ul | 97 |
| 42) 2-Chloronaphthalene | 12.96 | 162 | 478919 | 19.306 ng/ul | 95 |
| 43) 2-Nitroaniline | 13.18 | 65 | 153653 | 20.812 ng/ul | 93 |
| 45) Dimethylphthalate | 13.57 | 163 | 601436 | 19.083 ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 13.69 | 165 | 124098 | 19.545 ng/ul | 91 |
| 48) Acenaphthylene | 13.82 | 152 | 728905 | 19.488 ng/ul | 98 |
| 49) 3-Nitroaniline | 14.02 | 138 | 95690 | 19.468 ng/ul | 96 |
| 50) Acenaphthene | 14.16 | 153 | 524590 | 19.205 ng/ul | 100 |
| 51) 2,4-Dinitrophenol | 14.23 | 184 | 62023 | 15.786 ng/ul | 91 |
| 53) 4-Nitrophenol | 14.33 | 109 | 103585 | 19.347 ng/ul | 94 |
| 54) Dibenzofuran | 14.50 | 168 | 725004 | 19.146 ng/ul | 95 |
| 55) 2,4-Dinitrotoluene | 14.48 | 165 | 184700 | 19.944 ng/ul# | 88 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.73 | 232 | 139134 | 19.439 ng/ul | 95 |
| 57) Diethylphthalate | 14.95 | 149 | 637834 | 19.802 ng/ul | 99 |
| 59) Fluorene | 15.16 | 166 | 608413 | 19.229 ng/ul | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.16 | 204 | 301216 | 19.612 ng/ul | 97 |
| 61) 4-Nitroaniline | 15.19 | 138 | 106032m | 17.008 ng/ul | |
| 64) 4,6-Dinitro-2-methylphenol | 15.25 | 198 | 107136 | 17.901 ng/ul# | 89 |
| 65) N-Nitrosodiphenylamine | 15.37 | 169 | 506288 | 19.262 ng/ul | 98 |
| 66) 4-Bromophenyl-phenylether | 16.05 | 248 | 178266 | 19.197 ng/ul | 85 |
| 67) Hexachlorobenzene | 16.16 | 284 | 211123 | 19.074 ng/ul | 99 |
| 68) Atrazine | 16.34 | 200 | 187974 | 19.886 ng/ul | 97 |
| 69) Pentachlorophenol | 16.50 | 266 | 119489 | 18.303 ng/ul | 87 |
| 70) Phenanthrene | 16.89 | 178 | 958920 | 18.867 ng/ul | 98 |
| 72) Anthracene | 16.99 | 178 | 1009437 | 19.590 ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.88 | 216 | 222935 | 18.993 ng/uL | 96 |
| 74) Pentachlorobenzene | 14.42 | 250 | 235491 | 19.216 ng/uL | 97 |
| 75) Carbazole | 17.26 | 167 | 864807 | 19.666 ng/ul | 99 |
| 76) Di-n-butylphthalate | 17.84 | 149 | 1099514 | 20.212 ng/ul | 98 |
| 77) Fluoranthene | 18.92 | 202 | 1117150 | 19.111 ng/ul | 96 |
| 80) Pyrene | 19.29 | 202 | 1185558 | 18.900 ng/ul | 98 |
| 81) Butylbenzylphthalate | 20.22 | 149 | 492213 | 19.391 ng/ul | 92 |
| 82) 3,3'-Dichlorobenzidine | 20.99 | 252 | 334057 | 19.094 ng/ul | 89 |
| 83) Benzo(a)anthracene | 21.05 | 228 | 1133762 | 19.093 ng/ul | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.00 | 149 | 777043 | 20.311 ng/ul | 99 |
| 85) Chrysene | 21.10 | 228 | 1117107 | 19.298 ng/ul | 98 |
| 87) Di-n-octyl phthalate | 21.85 | 149 | 1329096 | 19.344 ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.56 | 252 | 1172158 | 18.185 ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.60 | 252 | 1211676 | 19.546 ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.09 | 252 | 1085624 | 18.437 ng/ul | 95 |
| 92) Indeno(1,2,3-cd)pyrene | 25.27 | 276 | 1410754 | 19.224 ng/ul | 95 |
| 93) Dibenzo(a,h)anthracene | 25.27 | 278 | 1156438 | 18.403 ng/ul | 98 |
| 94) Benzo(g,h,i)perylene | 25.90 | 276 | 1164150 | 18.735 ng/ul | 95 |

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|---|---|---|---|---|---|---|

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

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