Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005540.D
Acq On : 08 May 2019 19:24
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** SSTD02001

**Manual Integrations APPROVED**
Sohil
5/9/2019 2:35:25 PM

Quant Time: May 09 03:02:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.59 | 152 | 243314 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.35 | 136 | 1080732 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.22 | 164 | 738308 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.98 | 188 | 1813905m | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.21 | 240 | 1682399 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.42 | 264 | 1428659 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.21 | 96 | 32304 | 6.41 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.77 | 99 | 342405 | 17.92 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.93 | 67 | 195204 | 16.37 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.13 | 132 | 282502 | 19.32 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.29 | 113 | 284488 | 19.04 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.73 | 128 | 148888 | 22.38 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.45 | 143 | 162767 | 24.14 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.97 | 165 | 321455 | 20.80 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.49 | 131 | 360652 | 22.62 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.64 | 166 | 1003857 | 18.73 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.91 | 160 | 1273603 | 19.35 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.44 | 143 | 158459 | 18.72 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.22 | 176 | 881110 | 19.59 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 154700 | 18.96 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.07 | 188 | 1427348 | 18.77 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.39 | 212 | 1617422 | 18.79 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.27 | 264 | 1176574 | 18.84 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.24 | 88 | 34799 | 6.420 | ng/uL | 98 |
| 4) Benzaldehyde | 6.75 | 77 | 239750 | 17.704 | ng/ul | 97 |
| 6) Phenol | 6.80 | 94 | 352209 | 17.918 | ng/ul | 97 |
| 8) Bis(2-Chloroethyl)ether | 7.03 | 93 | 277789 | 17.650 | ng/ul | 91 |
| 10) 2-Chlorophenol | 7.16 | 128 | 289455 | 19.145 | ng/ul | 94 |
| 11) 2-Methylphenol | 8.03 | 108 | 277243 | 18.823 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.12 | 45 | 392016 | 14.834 | ng/ul | 95 |
| 14) Acetophenone | 8.40 | 105 | 470336 | 19.673 | ng/ul | 98 |
| 15) N-Nitroso-di-n-propylamine | 8.39 | 70 | 229288 | 17.929 | ng/ul | 89 |
| 16) 4-Methylphenol | 8.35 | 108 | 306498 | 19.268 | ng/ul | 97 |
| 17) Hexachloroethane | 8.65 | 117 | 122519 | 18.661 | ng/ul | 87 |
| 20) Nitrobenzene | 8.78 | 77 | 344852 | 18.838 | ng/ul | 93 |
| 21) Isophorone | 9.29 | 82 | 660239 | 18.216 | ng/ul | 96 |
| 23) 2-Nitrophenol | 9.48 | 139 | 175859 | 23.014 | ng/ul | 97 |
| 24) 2,4-Dimethylphenol | 9.54 | 107 | 345345 | 18.049 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.78 | 93 | 398467 | 17.494 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.00 | 162 | 314598 | 20.622 | ng/ul | 96 |
| 28) Naphthalene | 10.40 | 128 | 991096 | 19.727 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.51 | 127 | 375479 | 23.125 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 10.68 | 225 | 221026 | 20.517 | ng/ul | 98 |
| 32) Caprolactam | 11.26 | 113 | 103987 | 22.529 | ng/ul | 84 |
| 33) 4-Chloro-3-methylphenol | 11.65 | 107 | 333662 | 19.424 | ng/ul | 96 |
| 34) 2-Methylnaphthalene | 12.02 | 142 | 743910 | 20.222 | ng/ul | 99 |

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Quant Title : SVOA CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216 | 438803 | 19.205 ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 12.37 | 237 | 238185 | 15.290 ng/ul | 97 |
| 38) 2,4,6-Trichlorophenol | 12.65 | 196 | 267121 | 19.388 ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 12.72 | 196 | 294225 | 19.873 ng/ul | 98 |
| 40) 1,1'-Biphenyl | 13.05 | 154 | 1006521 | 18.297 ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.09 | 162 | 790078 | 18.674 ng/ul | 97 |
| 42) 2-Nitroaniline | 13.30 | 65 | 223365 | 19.905 ng/ul | 94 |
| 44) Dimethylphthalate | 13.69 | 163 | 997901 | 18.686 ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.81 | 165 | 208723 | 22.636 ng/ul | 86 |
| 47) Acenaphthylene | 13.94 | 152 | 1232188 | 19.047 ng/ul | 99 |
| 48) 3-Nitroaniline | 14.14 | 138 | 193221 | 22.540 ng/ul | 90 |
| 49) Acenaphthene | 14.29 | 153 | 838880 | 18.995 ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.36 | 184 | 75853 | 16.887 ng/ul | 88 |
| 52) 4-Nitrophenol | 14.46 | 109 | 132063 | 17.193 ng/ul | 90 |
| 53) Dibenzofuran | 14.63 | 168 | 1245575 | 19.589 ng/ul | 96 |
| 54) 2,4-Dinitrotoluene | 14.61 | 165 | 308033 | 23.172 ng/ul | 99 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.86 | 232 | 264415 | 21.468 ng/ul | 94 |
| 56) Diethylphthalate | 15.06 | 149 | 1008757 | 18.838 ng/ul | 99 |
| 58) Fluorene | 15.27 | 166 | 989695 | 19.947 ng/ul | 95 |
| 59) 4-Chlorophenyl-phenylether | 15.27 | 204 | 529050 | 20.101 ng/ul | 98 |
| 60) 4-Nitroaniline | 15.30 | 138 | 235928 | 22.076 ng/ul | 92 |
| 63) 4,6-Dinitro-2-methylphenol | 15.37 | 198 | 161356 | 18.583 ng/ul | 95 |
| 64) N-Nitrosodiphenylamine | 15.49 | 169 | 874375 | 17.612 ng/ul | 97 |
| 65) 4-Bromophenyl-phenylether | 16.17 | 248 | 345281 | 18.895 ng/ul | 93 |
| 66) Hexachlorobenzene | 16.29 | 284 | 380465 | 19.553 ng/ul | 93 |
| 67) Atrazine | 16.46 | 200 | 340673 | 18.432 ng/ul | 97 |
| 68) Pentachlorophenol | 16.63 | 266 | 189539m | 16.636 ng/ul | |
| 69) Phenanthrene | 17.02 | 178 | 1645770m | 18.630 ng/ul | |
| 71) Anthracene | 17.11 | 178 | 1685774 | 18.733 ng/ul | 99 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.01 | 216 | 454043 | 17.137 ng/uL | 98 |
| 73) Pentachlorobenzene | 14.55 | 250 | 434283 | 18.212 ng/uL | 98 |
| 74) Carbazole | 17.39 | 167 | 1467470 | 18.983 ng/ul | 99 |
| 75) Di-n-butylphthalate | 17.96 | 149 | 1779178 | 18.343 ng/ul | 99 |
| 76) Fluoranthene | 19.05 | 202 | 1967171 | 20.076 ng/ul | 97 |
| 79) Pyrene | 19.42 | 202 | 2022324 | 18.669 ng/ul# | 94 |
| 80) Butylbenzylphthalate | 20.35 | 149 | 812068 | 18.935 ng/ul | 93 |
| 81) 3,3'-Dichlorobenzidine | 21.13 | 252 | 588792 | 17.517 ng/ul# | 98 |
| 82) Benzo(a)anthracene | 21.20 | 228 | 1888985 | 18.048 ng/ul | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 1220964 | 18.488 ng/ul# | 98 |
| 84) Chrysene | 21.25 | 228 | 1786218 | 18.389 ng/ul | 99 |
| 86) Di-n-octyl phthalate | 22.02 | 149 | 2067698 | 23.631 ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 22.76 | 252 | 1520352 | 18.931 ng/ul# | 98 |
| 88) Benzo(k)fluoranthene | 22.80 | 252 | 1572507 | 20.502 ng/ul | 98 |
| 90) Benzo(a)pyrene | 23.32 | 252 | 1414599 | 18.740 ng/ul# | 97 |
| 91) Indeno(1,2,3-cd)pyrene | 25.60 | 276 | 1417302 | 16.982 ng/ul | 98 |
| 92) Dibenzo(a,h)anthracene | 25.62 | 278 | 1201167 | 16.959 ng/ul# | 95 |
| 93) Benzo(g,h,i)perylene | 26.27 | 276 | 1141668 | 16.544 ng/ul | 95 |

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

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