Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\
Data File : BN002708.D
Acq On : 15 Sep 2018 02:29
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** SSTD02051

Quant Time: Sep 15 02:59:10 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Sep 15 01:16:50 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.65 | 152 | 152308 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.42 | 136 | 646946 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.29 | 164 | 354353 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.03 | 188 | 712782 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.24 | 240 | 613379 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.45 | 264 | 619996 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.22 | 96 | 25234 | 7.64 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.84 | 99 | 250831 | 19.39 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.99 | 67 | 157792 | 19.64 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.19 | 132 | 210321 | 19.76 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.36 | 113 | 197891 | 19.75 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.80 | 128 | 99430 | 19.84 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.52 | 143 | 112884 | 19.90 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.05 | 165 | 200269 | 19.56 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.56 | 131 | 241970 | 20.43 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.70 | 166 | 547464 | 19.74 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.97 | 160 | 711405 | 19.64 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.52 | 143 | 81596 | 17.79 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.28 | 176 | 475550 | 19.57 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 82556 | 18.52 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.13 | 188 | 667010 | 19.60 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.44 | 212 | 641665 | 19.82 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.31 | 264 | 635523 | 19.47 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.25 | 88 | 25777 | 6.984 | ng/uL | 95 |
| 4) Benzaldehyde | 6.80 | 77 | 164274 | 23.232 | ng/ul | 98 |
| 6) Phenol | 6.86 | 94 | 253786 | 19.459 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 7.09 | 93 | 196987 | 19.637 | ng/ul | 97 |
| 10) 2-Chlorophenol | 7.22 | 128 | 208125 | 19.700 | ng/ul | 98 |
| 11) 2-Methylphenol | 8.10 | 108 | 192687 | 19.674 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.18 | 45 | 309073 | 19.671 | ng/ul | 98 |
| 14) Acetophenone | 8.47 | 105 | 306222 | 19.842 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.45 | 70 | 157811 | 20.347 | ng/ul | 97 |
| 16) 4-Methylphenol | 8.42 | 108 | 203761 | 19.615 | ng/ul | 96 |
| 17) Hexachloroethane | 8.71 | 117 | 83088 | 19.563 | ng/ul | 98 |
| 20) Nitrobenzene | 8.84 | 77 | 226556 | 19.450 | ng/ul | 99 |
| 21) Isophorone | 9.36 | 82 | 432988 | 20.148 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.55 | 139 | 117754 | 20.053 | ng/ul | 99 |
| 24) 2,4-Dimethylphenol | 9.62 | 107 | 228837 | 19.764 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.85 | 93 | 265112 | 19.606 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.08 | 162 | 195567 | 19.683 | ng/ul | 93 |
| 28) Naphthalene | 10.47 | 128 | 651790 | 19.548 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.59 | 127 | 241120 | 20.334 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 10.75 | 225 | 119772 | 18.872 | ng/ul | 95 |
| 32) Caprolactam | 11.35 | 113 | 58066 | 19.027 | ng/ul | 99 |
| 33) 4-Chloro-3-methylphenol | 11.73 | 107 | 202729 | 20.010 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.09 | 142 | 462876 | 19.860 | ng/ul | 99 |

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**Instrument :** BNA_N
**ClientSampleId :** SSTD02051

Quant Time: Sep 15 02:59:10 2018
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Sep 15 01:16:50 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216 | 231436 | 19.661 ng/ul | 99 |
| 37) Hexachlorocyclopentadiene | 12.44 | 237 | 93807 | 17.808 ng/ul | 96 |
| 38) 2,4,6-Trichlorophenol | 12.72 | 196 | 146907 | 19.562 ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 12.79 | 196 | 154977 | 19.704 ng/ul | 99 |
| 40) 1,1'-Biphenyl | 13.11 | 154 | 576378 | 19.748 ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.15 | 162 | 454281 | 19.838 ng/ul | 99 |
| 42) 2-Nitroaniline | 13.37 | 65 | 127942 | 20.122 ng/ul | 98 |
| 44) Dimethylphthalate | 13.75 | 163 | 536206 | 19.807 ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.87 | 165 | 109608 | 20.097 ng/ul | 99 |
| 47) Acenaphthylene | 14.00 | 152 | 673684 | 19.799 ng/ul | 99 |
| 48) 3-Nitroaniline | 14.20 | 138 | 103248 | 19.415 ng/ul | 100 |
| 49) Acenaphthene | 14.35 | 153 | 474512 | 19.687 ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.43 | 184 | 48420 | 16.792 ng/ul | 94 |
| 52) 4-Nitrophenol | 14.53 | 109 | 56543 | 17.718 ng/ul | 95 |
| 53) Dibenzofuran | 14.69 | 168 | 647701 | 19.543 ng/ul | 100 |
| 54) 2,4-Dinitrotoluene | 14.67 | 165 | 153815 | 19.935 ng/ul | 97 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.92 | 232 | 118554 | 19.042 ng/ul | 99 |
| 56) Diethylphthalate | 15.12 | 149 | 520705 | 19.633 ng/ul | 99 |
| 58) Fluorene | 15.34 | 166 | 521094 | 19.629 ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.33 | 204 | 261007 | 19.662 ng/ul | 99 |
| 60) 4-Nitroaniline | 15.37 | 138 | 106260 | 18.846 ng/ul | 99 |
| 63) 4,6-Dinitro-2-methylphenol | 15.44 | 198 | 86245 | 19.155 ng/ul# | 92 |
| 64) N-Nitrosodiphenylamine | 15.55 | 169 | 439799 | 19.884 ng/ul | 100 |
| 65) 4-Bromophenyl-phenylether | 16.23 | 248 | 155145 | 19.853 ng/ul | 97 |
| 66) Hexachlorobenzene | 16.35 | 284 | 167116 | 19.576 ng/ul | 95 |
| 67) Atrazine | 16.51 | 200 | 148780 | 19.666 ng/ul | 99 |
| 68) Pentachlorophenol | 16.70 | 266 | 69420 | 17.459 ng/ul | 96 |
| 69) Phenanthrene | 17.08 | 178 | 754840 | 19.221 ng/ul | 99 |
| 71) Anthracene | 17.17 | 178 | 779987 | 19.588 ng/ul | 99 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.07 | 216 | 242908 | 19.948 ng/uL | 99 |
| 73) Pentachlorobenzene | 14.61 | 250 | 215647 | 19.834 ng/uL | 97 |
| 74) Carbazole | 17.45 | 167 | 667612 | 19.538 ng/ul | 98 |
| 75) Di-n-butylphthalate | 18.01 | 149 | 799812 | 19.508 ng/ul | 100 |
| 76) Fluoranthene | 19.10 | 202 | 801647 | 19.135 ng/ul | 99 |
| 79) Pyrene | 19.47 | 202 | 797618 | 19.667 ng/ul | 99 |
| 80) Butylbenzylphthalate | 20.37 | 149 | 331580 | 19.648 ng/ul | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.16 | 252 | 249447 | 20.137 ng/ul | 96 |
| 82) Benzo(a)anthracene | 21.22 | 228 | 742881 | 19.469 ng/ul | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.16 | 149 | 481035 | 19.634 ng/ul | 99 |
| 84) Chrysene | 21.27 | 228 | 695620 | 19.449 ng/ul | 99 |
| 86) Di-n-octyl phthalate | 22.03 | 149 | 810331 | 19.773 ng/ul | 98 |
| 87) Benzo(b)fluoranthene | 22.79 | 252 | 721818 | 19.063 ng/ul | 98 |
| 88) Benzo(k)fluoranthene | 22.83 | 252 | 700180 | 19.821 ng/ul | 99 |
| 90) Benzo(a)pyrene | 23.36 | 252 | 691402 | 19.315 ng/ul | 99 |
| 91) Indeno(1,2,3-cd)pyrene | 25.66 | 276 | 827750 | 19.532 ng/ul | 98 |
| 92) Dibenzo(a,h)anthracene | 25.67 | 278 | 692388 | 19.390 ng/ul | 99 |
| 93) Benzo(g,h,i)perylene | 26.33 | 276 | 690294 | 19.485 ng/ul | 99 |

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

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