Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031918\
Data File : BN000454.D
Acq On : 19 Mar 2018 15:45
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** SSTD02018

Quant Time: Mar 20 01:44:34 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 19 15:48:47 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.43 | 152 | 235020 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.26 | 136 | 916071 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 15.04 | 164 | 436537 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.77 | 188 | 831646 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.89 | 240 | 751446 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 24.38 | 264 | 765539 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.60 | 96 | 51025 | 7.75 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.55 | 99 | 412314 | 18.80 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.73 | 67 | 242037 | 19.14 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.94 | 132 | 312378 | 18.84 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.13 | 113 | 313664 | 18.37 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.60 | 128 | 142585 | 19.16 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.33 | 143 | 149058 | 19.34 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.87 | 165 | 263968 | 19.11 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.39 | 131 | 335909 | 23.69 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.43 | 166 | 643443 | 18.66 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.74 | 160 | 886720 | 19.49 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.21 | 143 | 120185 | 18.77 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 16.02 | 176 | 547441 | 18.63 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.14 | 200 | 82186 | 17.26 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.87 | 188 | 770394 | 19.27 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 20.12 | 212 | 765184 | 18.45 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 24.21 | 264 | 696692 | 19.28 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.64 | 88 | 54920 | 7.751 | ng/uL# | 86 |
| 4) Benzaldehyde | 7.54 | 77 | 179396 | 20.068 | ng/ul | 90 |
| 6) Phenol | 7.58 | 94 | 424879 | 18.993 | ng/ul | 92 |
| 8) Bis(2-Chloroethyl)ether | 7.82 | 93 | 337869 | 19.034 | ng/ul | 94 |
| 10) 2-Chlorophenol | 7.98 | 128 | 320078 | 18.909 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.86 | 108 | 305174 | 18.602 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.94 | 45 | 358853 | 18.758 | ng/ul | 95 |
| 14) Acetophenone | 9.25 | 105 | 479783 | 18.898 | ng/ul | 97 |
| 15) N-Nitroso-di-n-propylamine | 9.23 | 70 | 233636 | 17.595 | ng/ul | 93 |
| 16) 4-Methylphenol | 9.19 | 108 | 322641 | 18.369 | ng/ul | 97 |
| 17) Hexachloroethane | 9.52 | 117 | 132823 | 18.807 | ng/ul# | 69 |
| 20) Nitrobenzene | 9.65 | 77 | 355373 | 19.349 | ng/ul | 93 |
| 21) Isophorone | 10.17 | 82 | 645487 | 18.437 | ng/ul | 98 |
| 23) 2-Nitrophenol | 10.37 | 139 | 160007 | 19.302 | ng/ul | 92 |
| 24) 2,4-Dimethylphenol | 10.41 | 107 | 341378 | 19.118 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.64 | 93 | 412992 | 18.677 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.90 | 162 | 257187 | 19.180 | ng/ul# | 94 |
| 28) Naphthalene | 11.31 | 128 | 934925 | 19.434 | ng/ul | 99 |
| 30) 4-Chloroaniline | 11.41 | 127 | 343332 | 23.851 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 11.58 | 225 | 145397 | 19.567 | ng/ul | 97 |
| 32) Caprolactam | 12.15 | 113 | 86411 | 17.628 | ng/ul | 88 |
| 33) 4-Chloro-3-methylphenol | 12.51 | 107 | 286423 | 18.169 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.90 | 142 | 602047 | 18.745 | ng/ul | 99 |

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|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.25 | 216 | 261387 | 19.931 ng/ul# | 95 |
| 37) Hexachlorocyclopentadiene | 13.22 | 237 | 121567 | 17.776 ng/ul# | 98 |
| 38) 2,4,6-Trichlorophenol | 13.48 | 196 | 171595 | 19.289 ng/ul | 99 |
| 39) 2,4,5-Trichlorophenol | 13.56 | 196 | 180131 | 19.419 ng/ul | 99 |
| 40) 1,1'-Biphenyl | 13.88 | 154 | 732944 | 19.723 ng/ul# | 94 |
| 41) 2-Chloronaphthalene | 13.93 | 162 | 569496 | 19.880 ng/ul | 95 |
| 42) 2-Nitroaniline | 14.12 | 65 | 164940 | 19.004 ng/ul | 97 |
| 44) Dimethylphthalate | 14.48 | 163 | 642073 | 18.821 ng/ul# | 98 |
| 45) 2,6-Dinitrotoluene | 14.61 | 165 | 129015 | 18.768 ng/ul | 89 |
| 47) Acenaphthylene | 14.77 | 152 | 868480 | 19.485 ng/ul | 99 |
| 48) 3-Nitroaniline | 14.94 | 138 | 138458 | 20.861 ng/ul# | 91 |
| 49) Acenaphthene | 15.11 | 153 | 590389 | 19.427 ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 15.15 | 184 | 48658 | 15.003 ng/ul# | 80 |
| 52) 4-Nitrophenol | 15.23 | 109 | 95109 | 19.219 ng/ul | 88 |
| 53) Dibenzofuran | 15.44 | 168 | 796847 | 19.305 ng/ul | 99 |
| 54) 2,4-Dinitrotoluene | 15.39 | 165 | 181722 | 18.646 ng/ul# | 88 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.65 | 232 | 132223 | 18.667 ng/ul# | 94 |
| 56) Diethylphthalate | 15.82 | 149 | 642754 | 18.459 ng/ul | 95 |
| 58) Fluorene | 16.08 | 166 | 630412 | 19.220 ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 16.06 | 204 | 286856 | 18.927 ng/ul# | 87 |
| 60) 4-Nitroaniline | 16.08 | 138 | 129868 | 17.417 ng/ul | 87 |
| 63) 4,6-Dinitro-2-methylphenol | 16.15 | 198 | 90773 | 18.052 ng/ul# | 90 |
| 64) N-Nitrosodiphenylamine | 16.27 | 169 | 527058 | 19.237 ng/ul | 98 |
| 65) 4-Bromophenyl-phenylether | 16.95 | 248 | 161201 | 19.017 ng/ul# | 88 |
| 66) Hexachlorobenzene | 17.08 | 284 | 171646 | 19.177 ng/ul# | 85 |
| 67) Atrazine | 17.20 | 200 | 169391 | 20.500 ng/ul | 94 |
| 68) Pentachlorophenol | 17.41 | 266 | 81528 | 17.253 ng/ul | 96 |
| 69) Phenanthrene | 17.81 | 178 | 920465 | 19.212 ng/ul | 99 |
| 71) Anthracene | 17.90 | 178 | 946790 | 19.272 ng/ul | 98 |
| 72) Carbazole | 18.16 | 167 | 847291 | 20.112 ng/ul | 98 |
| 73) Di-n-butylphthalate | 18.68 | 149 | 1048426 | 18.300 ng/ul | 99 |
| 74) Fluoranthene | 19.79 | 202 | 972642 | 20.430 ng/ul# | 82 |
| 77) Pyrene | 20.15 | 202 | 993003 | 18.092 ng/ul# | 75 |
| 78) Butylbenzylphthalate | 21.00 | 149 | 483241 | 17.725 ng/ul | 88 |
| 79) 3,3'-Dichlorobenzidine | 21.79 | 252 | 309638 | 21.091 ng/ul# | 96 |
| 80) Benzo(a)anthracene | 21.87 | 228 | 920975 | 18.394 ng/ul | 100 |
| 81) Bis(2-ethylhexyl)phthalate | 21.75 | 149 | 694153 | 17.538 ng/ul# | 98 |
| 82) Chrysene | 21.93 | 228 | 862007 | 18.365 ng/ul | 100 |
| 84) Di-n-octyl phthalate | 22.70 | 149 | 1199843 | 18.621 ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 23.62 | 252 | 914340 | 18.902 ng/ul# | 95 |
| 86) Benzo(k)fluoranthene | 23.67 | 252 | 844999 | 18.095 ng/ul# | 95 |
| 88) Benzo(a)pyrene | 24.27 | 252 | 863741 | 18.973 ng/ul# | 93 |
| 89) Indeno(1,2,3-cd)pyrene | 26.94 | 276 | 1003555 | 20.443 ng/ul# | 78 |
| 90) Dibenzo(a,h)anthracene | 26.95 | 278 | 838684 | 20.508 ng/ul# | 90 |
| 91) Benzo(g,h,i)perylene | 27.73 | 276 | 844540 | 20.702 ng/ul# | 86 |

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

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