Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN032018\
Data File : BN000495.D
Acq On : 20 Mar 2018 16:44
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** SSTD02022

Quant Time: Mar 20 23:35:39 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 20 23:34:04 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.41 | 152 | 261821 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.25 | 136 | 1144922 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 15.04 | 164 | 588434 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.76 | 188 | 1103472 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.88 | 240 | 820861 | 20.00 | ng/ul | -0.01 |
| 83) Perylene-d12 | 24.36 | 264 | 761056 | 20.00 | ng/ul | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.59 | 96 | 55264 | 7.54 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.55 | 99 | 490591 | 20.08 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.72 | 67 | 286137 | 20.31 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.94 | 132 | 362126 | 19.61 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.12 | 113 | 389359 | 20.46 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.60 | 128 | 175871 | 18.91 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.33 | 143 | 182906 | 18.99 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.87 | 165 | 333583 | 19.32 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.38 | 131 | 426699 | 24.07 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.42 | 166 | 879463 | 18.92 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.74 | 160 | 1183078 | 19.29 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.21 | 143 | 158188 | 18.33 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 16.02 | 176 | 739629 | 18.67 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.13 | 200 | 112562 | 17.81 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.86 | 188 | 1014253 | 19.12 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 20.11 | 212 | 926113 | 20.44 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 24.21 | 264 | 704526 | 19.61 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.63 | 88 | 59057 | 7.482 | ng/uL# | 85 |
| 4) Benzaldehyde | 7.54 | 77 | 217105 | 21.800 | ng/ul | 91 |
| 6) Phenol | 7.58 | 94 | 506164 | 20.311 | ng/ul | 91 |
| 8) Bis(2-Chloroethyl)ether | 7.81 | 93 | 400330 | 20.244 | ng/ul | 96 |
| 10) 2-Chlorophenol | 7.97 | 128 | 371213 | 19.685 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.85 | 108 | 371111 | 20.305 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.94 | 45 | 437318 | 20.519 | ng/ul# | 93 |
| 14) Acetophenone | 9.25 | 105 | 594971 | 21.036 | ng/ul | 96 |
| 15) N-Nitroso-di-n-propylamine | 9.23 | 70 | 297826 | 20.133 | ng/ul | 94 |
| 16) 4-Methylphenol | 9.18 | 108 | 401903 | 20.540 | ng/ul | 94 |
| 17) Hexachloroethane | 9.52 | 117 | 152110 | 19.333 | ng/ul# | 73 |
| 20) Nitrobenzene | 9.64 | 77 | 443642 | 19.327 | ng/ul | 94 |
| 21) Isophorone | 10.16 | 82 | 839729 | 19.191 | ng/ul | 98 |
| 23) 2-Nitrophenol | 10.36 | 139 | 199850 | 19.290 | ng/ul | 90 |
| 24) 2,4-Dimethylphenol | 10.40 | 107 | 433514 | 19.425 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.64 | 93 | 535386 | 19.373 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.90 | 162 | 324024 | 19.334 | ng/ul# | 94 |
| 28) Naphthalene | 11.31 | 128 | 1166876 | 19.408 | ng/ul | 99 |
| 30) 4-Chloroaniline | 11.41 | 127 | 431639 | 23.992 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 11.58 | 225 | 176825 | 19.040 | ng/ul | 97 |
| 32) Caprolactam | 12.15 | 113 | 115035 | 18.777 | ng/ul | 88 |
| 33) 4-Chloro-3-methylphenol | 12.50 | 107 | 381549 | 19.366 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.89 | 142 | 782681 | 19.498 | ng/ul | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.25 | 216 | 340014 | 19.233 ng/ul# | 95 |
| 37) Hexachlorocyclopentadiene | 13.22 | 237 | 152255 | 16.517 ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 13.48 | 196 | 228158 | 19.027 ng/ul | 99 |
| 39) 2,4,5-Trichlorophenol | 13.55 | 196 | 235488 | 18.834 ng/ul | 98 |
| 40) 1,1'-Biphenyl | 13.87 | 154 | 974889 | 19.462 ng/ul# | 95 |
| 41) 2-Chloronaphthalene | 13.92 | 162 | 752147 | 19.479 ng/ul | 96 |
| 42) 2-Nitroaniline | 14.12 | 65 | 225018 | 19.233 ng/ul | 97 |
| 44) Dimethylphthalate | 14.47 | 163 | 869028 | 18.898 ng/ul# | 98 |
| 45) 2,6-Dinitrotoluene | 14.60 | 165 | 178003 | 19.210 ng/ul | 91 |
| 47) Acenaphthylene | 14.76 | 152 | 1161211 | 19.327 ng/ul | 100 |
| 48) 3-Nitroaniline | 14.93 | 138 | 184546 | 20.628 ng/ul# | 92 |
| 49) Acenaphthene | 15.10 | 153 | 788734 | 19.254 ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 15.14 | 184 | 68455 | 15.659 ng/ul# | 81 |
| 52) 4-Nitrophenol | 15.22 | 109 | 125959 | 18.882 ng/ul | 84 |
| 53) Dibenzofuran | 15.43 | 168 | 1066007 | 19.160 ng/ul | 100 |
| 54) 2,4-Dinitrotoluene | 15.38 | 165 | 250814 | 19.092 ng/ul# | 93 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.65 | 232 | 177253 | 18.565 ng/ul# | 93 |
| 56) Diethylphthalate | 15.81 | 149 | 870024 | 18.537 ng/ul | 95 |
| 58) Fluorene | 16.07 | 166 | 845210 | 19.117 ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 16.05 | 204 | 388160 | 19.000 ng/ul# | 88 |
| 60) 4-Nitroaniline | 16.08 | 138 | 181044 | 18.012 ng/ul | 90 |
| 63) 4,6-Dinitro-2-methylphenol | 16.14 | 198 | 120615 | 18.078 ng/ul# | 85 |
| 64) N-Nitrosodiphenylamine | 16.27 | 169 | 708961 | 19.502 ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.94 | 248 | 217452 | 19.333 ng/ul# | 87 |
| 66) Hexachlorobenzene | 17.07 | 284 | 229508 | 19.325 ng/ul# | 82 |
| 67) Atrazine | 17.19 | 200 | 220420 | 20.104 ng/ul | 95 |
| 68) Pentachlorophenol | 17.41 | 266 | 107526 | 17.150 ng/ul | 97 |
| 69) Phenanthrene | 17.80 | 178 | 1213975 | 19.096 ng/ul | 99 |
| 71) Anthracene | 17.90 | 178 | 1240146 | 19.025 ng/ul | 98 |
| 72) Carbazole | 18.15 | 167 | 1089340 | 19.488 ng/ul | 98 |
| 73) Di-n-butylphthalate | 18.68 | 149 | 1332880 | 17.534 ng/ul | 99 |
| 74) Fluoranthene | 19.78 | 202 | 1191965 | 18.869 ng/ul# | 81 |
| 77) Pyrene | 20.14 | 202 | 1195771 | 19.944 ng/ul# | 76 |
| 78) Butylbenzylphthalate | 20.99 | 149 | 541957 | 18.198 ng/ul# | 86 |
| 79) 3,3'-Dichlorobenzidine | 21.78 | 252 | 310091 | 19.336 ng/ul# | 98 |
| 80) Benzo(a)anthracene | 21.87 | 228 | 1012103 | 18.505 ng/ul | 100 |
| 81) Bis(2-ethylhexyl)phthalate | 21.75 | 149 | 737176 | 17.050 ng/ul# | 96 |
| 82) Chrysene | 21.92 | 228 | 940236 | 18.338 ng/ul | 100 |
| 84) Di-n-octyl phthalate | 22.70 | 149 | 1195707 | 18.666 ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 23.61 | 252 | 914218 | 19.011 ng/ul# | 94 |
| 86) Benzo(k)fluoranthene | 23.65 | 252 | 887095 | 19.108 ng/ul# | 93 |
| 88) Benzo(a)pyrene | 24.25 | 252 | 872230 | 19.272 ng/ul# | 94 |
| 89) Indeno(1,2,3-cd)pyrene | 26.92 | 276 | 977161 | 20.023 ng/ul# | 79 |
| 90) Dibenzo(a,h)anthracene | 26.93 | 278 | 812762 | 19.991 ng/ul# | 91 |
| 91) Benzo(g,h,i)perylene | 27.71 | 276 | 811456 | 20.009 ng/ul# | 84 |

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

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