Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041918\
Data File : BM014730.D
Acq On : 19 Apr 2018 11:30
Operator : SJ/JU
Sample : SSTD02083
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02083

Quant Time: Apr 19 12:16:43 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 19 12:08:19 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.55 | 152 | 313645 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.39 | 136 | 1269364 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 15.15 | 164 | 677989 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.86 | 188 | 1457442 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.94 | 240 | 1533623 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 24.44 | 264 | 1557506 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.68 | 96 | 58309 | 7.96 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.67 | 99 | 491794 | 18.55 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.85 | 67 | 321826 | 20.06 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 8.06 | 132 | 410743 | 20.21 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.25 | 113 | 393451 | 16.96 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.73 | 128 | 185240 | 19.75 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.46 | 143 | 185121 | 19.07 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 11.00 | 165 | 378001 | 18.80 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.52 | 131 | 495503 | 25.01 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.54 | 166 | 1078186 | 19.26 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.85 | 160 | 1349206 | 19.54 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.30 | 143 | 199729 | 25.84 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 16.12 | 176 | 930013 | 18.54 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.22 | 200 | 141741 | 16.21 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.96 | 188 | 1384126 | 19.68 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 20.19 | 212 | 1483066 | 18.75 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 24.29 | 264 | 1553852 | 20.50 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.72 | 88 | 60101 | 7.383 | ng/uL# | 80 |
| 4) Benzaldehyde | 7.66 | 77 | 315116 | 29.157 | ng/ul | 88 |
| 6) Phenol | 7.70 | 94 | 488273 | 17.553 | ng/ul# | 80 |
| 8) Bis(2-Chloroethyl)ether | 7.95 | 93 | 396786 | 19.659 | ng/ul | 89 |
| 10) 2-Chlorophenol | 8.10 | 128 | 401668 | 19.354 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.98 | 108 | 356498 | 16.756 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 9.07 | 45 | 736183 | 36.144 | ng/ul | 96 |
| 14) Acetophenone | 9.38 | 105 | 590780 | 14.763 | ng/ul | 89 |
| 15) N-Nitroso-di-n-propylamine | 9.36 | 70 | 301002 | 15.010 | ng/ul# | 79 |
| 16) 4-Methylphenol | 9.31 | 108 | 389043 | 16.780 | ng/ul | 97 |
| 17) Hexachloroethane | 9.66 | 117 | 163465 | 15.120 | ng/ul# | 69 |
| 20) Nitrobenzene | 9.77 | 77 | 444407 | 16.019 | ng/ul | 91 |
| 21) Isophorone | 10.30 | 82 | 763095 | 16.081 | ng/ul# | 92 |
| 23) 2-Nitrophenol | 10.49 | 139 | 200792 | 19.095 | ng/ul# | 75 |
| 24) 2,4-Dimethylphenol | 10.53 | 107 | 429530 | 16.661 | ng/ul# | 82 |
| 25) Bis(2-Chloroethoxy)methane | 10.77 | 93 | 515001 | 20.603 | ng/ul | 94 |
| 27) 2,4-Dichlorophenol | 11.03 | 162 | 362092 | 18.977 | ng/ul# | 90 |
| 28) Naphthalene | 11.45 | 128 | 1252677 | 19.214 | ng/ul | 99 |
| 30) 4-Chloroaniline | 11.54 | 127 | 475854 | 23.551 | ng/ul | 95 |
| 31) Hexachlorobutadiene | 11.72 | 225 | 233729 | 15.440 | ng/ul | 96 |
| 32) Caprolactam | 12.29 | 113 | 99476 | 16.278 | ng/ul# | 60 |
| 33) 4-Chloro-3-methylphenol | 12.62 | 107 | 371503 | 16.114 | ng/ul | 94 |
| 34) 2-Methylnaphthalene | 13.02 | 142 | 869878 | 17.530 | ng/ul | 96 |

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|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.37 | 216 | 433252 | 19.907 ng/ul# | 97 |
| 37) Hexachlorocyclopentadiene | 13.35 | 237 | 289974 | 24.483 ng/ul | 100 |
| 38) 2,4,6-Trichlorophenol | 13.60 | 196 | 274248 | 20.198 ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 13.66 | 196 | 286082 | 20.617 ng/ul | 100 |
| 40) 1,1'-Biphenyl | 13.99 | 154 | 1115998 | 21.368 ng/ul# | 98 |
| 41) 2-Chloronaphthalene | 14.05 | 162 | 861956 | 20.660 ng/ul | 99 |
| 42) 2-Nitroaniline | 14.23 | 65 | 231781 | 16.419 ng/ul | 95 |
| 44) Dimethylphthalate | 14.58 | 163 | 1040969 | 18.855 ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.71 | 165 | 194848 | 18.576 ng/ul | 90 |
| 47) Acenaphthylene | 14.87 | 152 | 1301232 | 19.940 ng/ul | 100 |
| 48) 3-Nitroaniline | 15.04 | 138 | 206788 | 23.260 ng/ul | 86 |
| 49) Acenaphthene | 15.21 | 153 | 914131 | 19.894 ng/ul | 100 |
| 50) 2,4-Dinitrophenol | 15.23 | 184 | 90007 | 15.955 ng/ul# | 62 |
| 52) 4-Nitrophenol | 15.32 | 109 | 146324 | 14.438 ng/ul# | 81 |
| 53) Dibenzofuran | 15.54 | 168 | 1277428 | 18.541 ng/ul | 98 |
| 54) 2,4-Dinitrotoluene | 15.48 | 165 | 285271 | 16.974 ng/ul | 86 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.75 | 232 | 243846 | 17.378 ng/ul# | 86 |
| 56) Diethylphthalate | 15.92 | 149 | 1040159 | 16.907 ng/ul | 95 |
| 58) Fluorene | 16.18 | 166 | 1024535 | 17.225 ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 16.16 | 204 | 511960 | 16.455 ng/ul | 95 |
| 60) 4-Nitroaniline | 16.18 | 138 | 214289 | 21.493 ng/ul# | 80 |
| 63) 4,6-Dinitro-2-methylphenol | 16.23 | 198 | 151131 | 16.984 ng/ul | 94 |
| 64) N-Nitrosodiphenylamine | 16.37 | 169 | 863737 | 20.623 ng/ul | 100 |
| 65) 4-Bromophenyl-phenylether | 17.04 | 248 | 313001 | 19.246 ng/ul | 94 |
| 66) Hexachlorobenzene | 17.17 | 284 | 359813 | 21.039 ng/ul# | 93 |
| 67) Atrazine | 17.29 | 200 | 293787 | 17.762 ng/ul | 92 |
| 68) Pentachlorophenol | 17.50 | 266 | 196666 | 21.945 ng/ul | 100 |
| 69) Phenanthrene | 17.90 | 178 | 1574797 | 18.754 ng/ul | 99 |
| 71) Anthracene | 17.99 | 178 | 1620770 | 19.192 ng/ul | 99 |
| 72) Carbazole | 18.25 | 167 | 1403817 | 19.769 ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.77 | 149 | 1702609 | 18.585 ng/ul# | 97 |
| 74) Fluoranthene | 19.86 | 202 | 1780592 | 17.748 ng/ul# | 84 |
| 77) Pyrene | 20.22 | 202 | 1827247 | 17.928 ng/ul# | 82 |
| 78) Butylbenzylphthalate | 21.06 | 149 | 748255 | 17.756 ng/ul | 88 |
| 79) 3,3'-Dichlorobenzidine | 21.84 | 252 | 649373 | 24.084 ng/ul# | 95 |
| 80) Benzo(a)anthracene | 21.93 | 228 | 1833745 | 19.159 ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.81 | 149 | 1097818 | 18.190 ng/ul# | 97 |
| 82) Chrysene | 21.99 | 228 | 1706641 | 19.114 ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.77 | 149 | 1820930 | 13.624 ng/ul# | 94 |
| 85) Benzo(b)fluoranthene | 23.68 | 252 | 1864692 | 17.880 ng/ul# | 96 |
| 86) Benzo(k)fluoranthene | 23.73 | 252 | 1790983 | 18.063 ng/ul# | 95 |
| 88) Benzo(a)pyrene | 24.33 | 252 | 1770984 | 19.004 ng/ul# | 95 |
| 89) Indeno(1,2,3-cd)pyrene | 27.04 | 276 | 2127107 | 23.522 ng/ul# | 88 |
| 90) Dibenzo(a,h)anthracene | 27.05 | 278 | 1791090 | 23.836 ng/ul# | 94 |
| 91) Benzo(g,h,i)perylene | 27.84 | 276 | 1743725 | 23.803 ng/ul# | 90 |

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

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