Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062017\
Data File : BM010615.D
Acq On : 21 Jun 2017 06:17
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02039

**Manual Integrations APPROVED**
mohammad
6/21/2017 4:09:20 PM

Quant Time: Jun 21 06:58:09 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 21 01:33:50 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.46 | 152 | 56429 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.23 | 136 | 253016 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.12 | 164 | 181725 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.87 | 188 | 489014 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.09 | 240 | 595373 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.23 | 264 | 541411 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.08 | 96 | 8025 | 8.15 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.65 | 99 | 92919 | 17.29 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.82 | 67 | 52016 | 16.95 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.00 | 132 | 69052 | 18.31 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.17 | 113 | 82082 | 18.42 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.61 | 128 | 36646 | 20.30 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.32 | 143 | 44303 | 21.31 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.86 | 165 | 88366 | 20.18 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.37 | 131 | 105247 | 22.81 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.54 | 166 | 320453 | 20.09 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.80 | 160 | 366877 | 19.77 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.33 | 143 | 54255 | 19.33 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.12 | 176 | 280660 | 20.35 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.24 | 200 | 61012 | 20.31 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 16.97 | 188 | 459516m | 19.46 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.28 | 212 | 551409 | 19.94 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.09 | 264 | 517323 | 19.77 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.10 | 88 | 9441 | 8.582 | ng/uL# | 46 |
| 4) Benzaldehyde | 6.62 | 77 | 68849 | 21.762 | ng/ul | 95 |
| 6) Phenol | 6.67 | 94 | 94748 | 17.113 | ng/ul | 94 |
| 8) Bis(2-Chloroethyl)ether | 6.90 | 93 | 69221 | 17.173 | ng/ul | 99 |
| 10) 2-Chlorophenol | 7.03 | 128 | 70911 | 18.812 | ng/ul | 93 |
| 11) 2-Methylphenol | 7.91 | 108 | 76868 | 18.215 | ng/ul | 93 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.00 | 45 | 46841 | 16.647 | ng/ul# | 92 |
| 14) Acetophenone | 8.28 | 105 | 134210 | 18.443 | ng/ul | 87 |
| 15) N-Nitroso-di-n-propylamine | 8.27 | 70 | 70132 | 17.885 | ng/ul | 94 |
| 16) 4-Methylphenol | 8.23 | 108 | 85744 | 18.467 | ng/ul | 100 |
| 17) Hexachloroethane | 8.53 | 117 | 32634 | 19.470 | ng/ul | 86 |
| 20) Nitrobenzene | 8.65 | 77 | 102789 | 19.516 | ng/ul | 99 |
| 21) Isophorone | 9.17 | 82 | 187186 | 17.881 | ng/ul | 97 |
| 23) 2-Nitrophenol | 9.36 | 139 | 44337 | 20.100 | ng/ul | 91 |
| 24) 2,4-Dimethylphenol | 9.42 | 107 | 110699 | 19.731 | ng/ul | 97 |
| 25) Bis(2-Chloroethoxy)methane | 9.66 | 93 | 106694 | 18.379 | ng/ul | 94 |
| 27) 2,4-Dichlorophenol | 9.88 | 162 | 85962 | 20.171 | ng/ul# | 93 |
| 28) Naphthalene | 10.27 | 128 | 252331 | 20.040 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.39 | 127 | 100079 | 21.570 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 10.57 | 225 | 68178 | 21.213 | ng/ul# | 86 |
| 32) Caprolactam | 11.15 | 113 | 27035m | 18.075 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.53 | 107 | 106346 | 19.564 | ng/ul | 95 |
| 34) 2-Methylnaphthalene | 11.90 | 142 | 202721 | 20.029 | ng/ul | 93 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.28 | 216 | 130676 | 20.375 ng/ul# | 92 |
| 37) Hexachlorocyclopentadiene | 12.26 | 237 | 77489 | 21.018 ng/ul# | 94 |
| 38) 2,4,6-Trichlorophenol | 12.53 | 196 | 88533 | 20.214 ng/ul | 93 |
| 39) 2,4,5-Trichlorophenol | 12.60 | 196 | 91793 | 20.298 ng/ul | 97 |
| 40) 1,1'-Biphenyl | 12.94 | 154 | 278812 | 19.624 ng/ul | 98 |
| 41) 2-Chloronaphthalene | 12.97 | 162 | 220730 | 19.744 ng/ul | 97 |
| 42) 2-Nitroaniline | 13.19 | 65 | 65807 | 20.122 ng/ul | 98 |
| 44) Dimethylphthalate | 13.59 | 163 | 313403 | 20.042 ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.70 | 165 | 58743 | 21.688 ng/ul | 88 |
| 47) Acenaphthylene | 13.83 | 152 | 346398 | 19.600 ng/ul | 97 |
| 48) 3-Nitroaniline | 14.03 | 138 | 55417 | 20.286 ng/ul | 98 |
| 49) Acenaphthene | 14.18 | 153 | 235060 | 19.716 ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.23 | 184 | 41036 | 20.919 ng/ul# | 87 |
| 52) 4-Nitrophenol | 14.35 | 109 | 80688 | 22.653 ng/ul | 82 |
| 53) Dibenzofuran | 14.52 | 168 | 363405 | 20.128 ng/ul | 95 |
| 54) 2,4-Dinitrotoluene | 14.49 | 165 | 86662 | 20.623 ng/ul | 96 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.75 | 232 | 91123 | 19.916 ng/ul# | 86 |
| 56) Diethylphthalate | 14.97 | 149 | 326545 | 19.848 ng/ul | 95 |
| 58) Fluorene | 15.17 | 166 | 297001 | 19.647 ng/ul | 97 |
| 59) 4-Chlorophenyl-phenylether | 15.17 | 204 | 169060 | 20.578 ng/ul | 94 |
| 60) 4-Nitroaniline | 15.20 | 138 | 62036 | 19.227 ng/ul | 88 |
| 63) 4,6-Dinitro-2-methylphenol | 15.26 | 198 | 62231 | 19.445 ng/ul | 97 |
| 64) N-Nitrosodiphenylamine | 15.39 | 169 | 262420 | 19.350 ng/ul | 98 |
| 65) 4-Bromophenyl-phenylether | 16.07 | 248 | 108078 | 19.303 ng/ul# | 90 |
| 66) Hexachlorobenzene | 16.18 | 284 | 116553 | 19.766 ng/ul# | 83 |
| 67) Atrazine | 16.36 | 200 | 117387 | 20.546 ng/ul | 97 |
| 68) Pentachlorophenol | 16.52 | 266 | 77972 | 18.755 ng/ul | 97 |
| 69) Phenanthrene | 16.92 | 178 | 508098 | 19.544 ng/ul | 99 |
| 71) Anthracene | 17.00 | 178 | 509726 | 19.031 ng/ul | 98 |
| 72) Carbazole | 17.28 | 167 | 444026 | 19.002 ng/ul | 98 |
| 73) Di-n-butylphthalate | 17.86 | 149 | 561660 | 18.903 ng/ul | 98 |
| 74) Fluoranthene | 18.94 | 202 | 653731 | 19.511 ng/ul# | 96 |
| 77) Pyrene | 19.31 | 202 | 682001 | 19.832 ng/ul | 98 |
| 78) Butylbenzylphthalate | 20.24 | 149 | 257844 | 19.945 ng/ul | 99 |
| 79) 3,3'-Dichlorobenzidine | 21.02 | 252 | 242715 | 20.378 ng/ul | 97 |
| 80) Benzo(a)anthracene | 21.07 | 228 | 700482 | 20.204 ng/ul | 100 |
| 81) Bis(2-ethylhexyl)phthalate | 21.03 | 149 | 381699 | 19.352 ng/ul | 97 |
| 82) Chrysene | 21.12 | 228 | 621222 | 20.096 ng/ul | 99 |
| 84) Di-n-octyl phthalate | 21.89 | 149 | 647439 | 17.113 ng/ul# | 96 |
| 85) Benzo(b)fluoranthene | 22.59 | 252 | 718957 | 20.457 ng/ul | 97 |
| 86) Benzo(k)fluoranthene | 22.63 | 252 | 635652 | 19.078 ng/ul# | 98 |
| 88) Benzo(a)pyrene | 23.14 | 252 | 644110 | 19.907 ng/ul | 96 |
| 89) Indeno(1,2,3-cd)pyrene | 25.34 | 276 | 701576 | 20.907 ng/ul | 97 |
| 90) Dibenzo(a,h)anthracene | 25.36 | 278 | 571740 | 20.445 ng/ul# | 96 |
| 91) Benzo(g,h,i)perylene | 25.99 | 276 | 559420 | 20.942 ng/ul | 98 |

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

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