Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013443.D
Acq On : 15 Dec 2017 17:58
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02040

Quant Time: Dec 15 19:00:27 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 04:56:09 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.67 | 152 | 162412 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.46 | 136 | 702975 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.32 | 164 | 445526 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.07 | 188 | 1101578 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.26 | 240 | 1302699 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.49 | 264 | 1147357 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.22 | 96 | 26246 | 8.00 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.85 | 99 | 267541 | 19.04 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.02 | 67 | 159283 | 19.87 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.21 | 132 | 215151 | 19.59 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.39 | 113 | 230929 | 19.24 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.83 | 128 | 111689 | 20.03 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.55 | 143 | 123680 | 20.73 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.08 | 165 | 242965 | 19.76 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.60 | 131 | 269950 | 23.89 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.73 | 166 | 769125 | 19.40 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.01 | 160 | 949135 | 19.40 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.53 | 143 | 128418 | 18.64 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.32 | 176 | 669105 | 19.62 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 132425 | 19.11 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.17 | 188 | 1093543 | 19.82 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.46 | 212 | 1258880 | 19.40 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.34 | 264 | 1152971 | 19.73 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.26 | 88 | 29452 | 8.000 | ng/uL# | 61 |
| 4) Benzaldehyde | 6.83 | 77 | 143922 | 20.699 | ng/ul# | 86 |
| 6) Phenol | 6.88 | 94 | 263885 | 18.997 | ng/ul# | 83 |
| 8) Bis(2-Chloroethyl)ether | 7.11 | 93 | 203438 | 19.154 | ng/ul | 96 |
| 10) 2-Chlorophenol | 7.24 | 128 | 215371 | 20.003 | ng/ul | 95 |
| 11) 2-Methylphenol | 8.12 | 108 | 202010 | 18.803 | ng/ul | 95 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.21 | 45 | 224732 | 20.152 | ng/ul# | 78 |
| 14) Acetophenone | 8.49 | 105 | 347088 | 19.012 | ng/ul | 90 |
| 15) N-Nitroso-di-n-propylamine | 8.48 | 70 | 170901 | 18.584 | ng/ul# | 75 |
| 16) 4-Methylphenol | 8.45 | 108 | 220754 | 19.214 | ng/ul | 90 |
| 17) Hexachloroethane | 8.74 | 117 | 93822 | 20.015 | ng/ul# | 78 |
| 20) Nitrobenzene | 8.87 | 77 | 273807 | 19.497 | ng/ul | 96 |
| 21) Isophorone | 9.39 | 82 | 483838 | 19.580 | ng/ul# | 93 |
| 23) 2-Nitrophenol | 9.58 | 139 | 124548 | 20.135 | ng/ul# | 76 |
| 24) 2,4-Dimethylphenol | 9.64 | 107 | 265088 | 19.649 | ng/ul | 90 |
| 25) Bis(2-Chloroethoxy)methane | 9.87 | 93 | 285624 | 19.750 | ng/ul | 94 |
| 27) 2,4-Dichlorophenol | 10.11 | 162 | 222461 | 19.588 | ng/ul# | 91 |
| 28) Naphthalene | 10.50 | 128 | 706458 | 19.533 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.62 | 127 | 268032 | 24.500 | ng/ul | 92 |
| 31) Hexachlorobutadiene | 10.79 | 225 | 155757 | 18.934 | ng/ul | 95 |
| 32) Caprolactam | 11.40 | 113 | 72771 | 20.049 | ng/ul# | 32 |
| 33) 4-Chloro-3-methylphenol | 11.75 | 107 | 244734 | 19.644 | ng/ul | 95 |
| 34) 2-Methylnaphthalene | 12.12 | 142 | 527407 | 19.399 | ng/ul | 98 |

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|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216 | 306367 | 19.057 ng/ul# | 98 |
| 37) Hexachlorocyclopentadiene | 12.47 | 237 | 187807 | 17.749 ng/ul | 98 |
| 38) 2,4,6-Trichlorophenol | 12.75 | 196 | 198692 | 19.825 ng/ul | 99 |
| 39) 2,4,5-Trichlorophenol | 12.82 | 196 | 208536 | 19.588 ng/ul | 98 |
| 40) 1,1'-Biphenyl | 13.14 | 154 | 718867 | 19.092 ng/ul | 97 |
| 41) 2-Chloronaphthalene | 13.19 | 162 | 577578 | 19.552 ng/ul | 98 |
| 42) 2-Nitroaniline | 13.40 | 65 | 175434 | 20.270 ng/ul | 97 |
| 44) Dimethylphthalate | 13.78 | 163 | 733210 | 19.336 ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 13.90 | 165 | 154064 | 19.921 ng/ul# | 94 |
| 47) Acenaphthylene | 14.04 | 152 | 887089 | 19.593 ng/ul | 99 |
| 48) 3-Nitroaniline | 14.23 | 138 | 155594 | 22.508 ng/ul | 85 |
| 49) Acenaphthene | 14.38 | 153 | 598604 | 19.409 ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.44 | 184 | 71125 | 16.619 ng/ul# | 85 |
| 52) 4-Nitrophenol | 14.55 | 109 | 127166 | 18.818 ng/ul# | 77 |
| 53) Dibenzofuran | 14.72 | 168 | 884119 | 19.418 ng/ul | 98 |
| 54) 2,4-Dinitrotoluene | 14.70 | 165 | 230224 | 20.464 ng/ul | 91 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.95 | 232 | 198035 | 20.288 ng/ul | 92 |
| 56) Diethylphthalate | 15.15 | 149 | 754555 | 19.840 ng/ul | 95 |
| 58) Fluorene | 15.37 | 166 | 735575 | 19.528 ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.37 | 204 | 390289 | 19.091 ng/ul | 96 |
| 60) 4-Nitroaniline | 15.40 | 138 | 176397 | 21.628 ng/ul | 97 |
| 63) 4,6-Dinitro-2-methylphenol | 15.46 | 198 | 131231 | 18.950 ng/ul# | 91 |
| 64) N-Nitrosodiphenylamine | 15.59 | 169 | 636888 | 19.627 ng/ul | 95 |
| 65) 4-Bromophenyl-phenylether | 16.26 | 248 | 251112 | 19.392 ng/ul | 96 |
| 66) Hexachlorobenzene | 16.37 | 284 | 275285 | 19.277 ng/ul# | 91 |
| 67) Atrazine | 16.54 | 200 | 246745 | 20.601 ng/ul | 95 |
| 68) Pentachlorophenol | 16.72 | 266 | 149723 | 18.127 ng/ul | 98 |
| 69) Phenanthrene | 17.11 | 178 | 1233842 | 19.715 ng/ul | 99 |
| 71) Anthracene | 17.20 | 178 | 1250148 | 19.543 ng/ul | 98 |
| 72) Carbazole | 17.47 | 167 | 1080703 | 19.641 ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.04 | 149 | 1300752 | 20.250 ng/ul | 99 |
| 74) Fluoranthene | 19.13 | 202 | 1518059 | 19.794 ng/ul# | 94 |
| 77) Pyrene | 19.49 | 202 | 1548492 | 19.566 ng/ul# | 90 |
| 78) Butylbenzylphthalate | 20.40 | 149 | 624172 | 20.185 ng/ul | 91 |
| 79) 3,3'-Dichlorobenzidine | 21.18 | 252 | 503085 | 18.371 ng/ul# | 95 |
| 80) Benzo(a)anthracene | 21.24 | 228 | 1603769 | 19.404 ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 901774 | 19.347 ng/ul# | 98 |
| 82) Chrysene | 21.30 | 228 | 1487049 | 19.393 ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.06 | 149 | 1528932 | 18.739 ng/ul | 99 |
| 85) Benzo(b)fluoranthene | 22.81 | 252 | 1510611 | 19.531 ng/ul# | 97 |
| 86) Benzo(k)fluoranthene | 22.86 | 252 | 1442068 | 19.812 ng/ul# | 97 |
| 88) Benzo(a)pyrene | 23.39 | 252 | 1363436 | 19.624 ng/ul# | 94 |
| 89) Indeno(1,2,3-cd)pyrene | 25.71 | 276 | 1364399 | 19.792 ng/ul# | 94 |
| 90) Dibenzo(a,h)anthracene | 25.73 | 278 | 1176320 | 20.039 ng/ul# | 96 |
| 91) Benzo(g,h,i)perylene | 26.40 | 276 | 1059877 | 19.491 ng/ul# | 95 |

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

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