Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM060717\
Data File : BM010438.D
Acq On : 07 Jun 2017 17:58
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02018

**Manual Integrations APPROVED**
mohammad
6/8/2017 11:16:37 AM

Quant Time: Jun 08 02:20:46 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 08 01:22:27 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.91 | 152 | 294071 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.72 | 136 | 1110280 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.55 | 164 | 749378 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.29 | 188 | 1764625 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.46 | 240 | 1954165 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.80 | 264 | 1746934 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.38 | 96 | 57378 | 8.01 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.10 | 99 | 437885 | 19.65 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.25 | 67 | 235500 | 18.80 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.45 | 132 | 363070 | 20.44 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.63 | 113 | 352599 | 19.61 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.10 | 128 | 173403 | 21.32 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.80 | 143 | 206772 | 21.95 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.34 | 165 | 435062 | 22.48 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.88 | 131 | 458471 | 24.55 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.96 | 166 | 1367060 | 21.96 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.25 | 160 | 1543506 | 21.25 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.79 | 143 | 189129 | 20.30 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.54 | 176 | 1168391 | 21.35 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.67 | 200 | 256997 | 20.56 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.39 | 188 | 1796633 | 20.92 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.68 | 212 | 1975511 | 24.45 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.65 | 264 | 1706779 | 20.98 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.41 | 88 | 63989 | 8.376 | ng/uL# | 64 |
| 4) Benzaldehyde | 7.07 | 77 | 328904 | 21.949 | ng/ul | 93 |
| 6) Phenol | 7.13 | 94 | 444453 | 19.454 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 7.35 | 93 | 311016 | 19.617 | ng/ul | 88 |
| 10) 2-Chlorophenol | 7.48 | 128 | 360900 | 20.247 | ng/ul# | 91 |
| 11) 2-Methylphenol | 8.37 | 108 | 332638 | 19.947 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.43 | 45 | 122481 | 17.130 | ng/ul# | 54 |
| 14) Acetophenone | 8.75 | 105 | 583928 | 19.902 | ng/ul# | 96 |
| 15) N-Nitroso-di-n-propylamine | 8.72 | 70 | 325096 | 22.168 | ng/ul# | 82 |
| 16) 4-Methylphenol | 8.70 | 108 | 359001 | 19.626 | ng/ul | 89 |
| 17) Hexachloroethane | 8.97 | 117 | 169029 | 20.883 | ng/ul | 95 |
| 20) Nitrobenzene | 9.14 | 77 | 502334 | 21.628 | ng/ul | 99 |
| 21) Isophorone | 9.65 | 82 | 788321 | 22.056 | ng/ul# | 94 |
| 23) 2-Nitrophenol | 9.84 | 139 | 213559 | 21.378 | ng/ul | 93 |
| 24) 2,4-Dimethylphenol | 9.89 | 107 | 498073 | 21.447 | ng/ul | 95 |
| 25) Bis(2-Chloroethoxy)methane | 10.13 | 93 | 406251 | 20.225 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.37 | 162 | 424427 | 22.383 | ng/ul | 89 |
| 28) Naphthalene | 10.76 | 128 | 1117648 | 20.070 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.90 | 127 | 417023 | 23.140 | ng/ul | 96 |
| 31) Hexachlorobutadiene | 11.01 | 225 | 379616 | 21.853 | ng/ul | 94 |
| 32) Caprolactam | 11.71 | 113 | 105210m | 22.172 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.02 | 107 | 424043 | 23.233 | ng/ul | 100 |
| 34) 2-Methylnaphthalene | 12.37 | 142 | 919900 | 21.787 | ng/ul | 94 |

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|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.72 | 216 | 636248 | 20.410 | ng/ul# | 94 |
| 37) Hexachlorocyclopentadiene | 12.68 | 237 | 359680 | 17.206 | ng/ul | 97 |
| 38) 2,4,6-Trichlorophenol | 12.98 | 196 | 392583 | 22.156 | ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 13.06 | 196 | 407995 | 22.828 | ng/ul | 99 |
| 40) 1,1'-Biphenyl | 13.37 | 154 | 1263639 | 20.786 | ng/ul | 97 |
| 41) 2-Chloronaphthalene | 13.43 | 162 | 973780 | 20.390 | ng/ul | 98 |
| 42) 2-Nitroaniline | 13.66 | 65 | 286684 | 23.569 | ng/ul | 94 |
| 44) Dimethylphthalate | 14.01 | 163 | 1298741 | 21.210 | ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 14.15 | 165 | 256319 | 22.838 | ng/ul# | 81 |
| 47) Acenaphthylene | 14.27 | 152 | 1494638 | 21.058 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.49 | 138 | 215745 | 19.952 | ng/ul | 96 |
| 49) Acenaphthene | 14.61 | 153 | 1010262 | 20.295 | ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.69 | 184 | 168926 | 19.916 | ng/ul# | 82 |
| 52) 4-Nitrophenol | 14.80 | 109 | 294812 | 23.093 | ng/ul# | 83 |
| 53) Dibenzofuran | 14.95 | 168 | 1554034 | 21.112 | ng/ul | 93 |
| 54) 2,4-Dinitrotoluene | 14.93 | 165 | 382907 | 23.232 | ng/ul# | 96 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.17 | 232 | 392046 | 22.833 | ng/ul# | 93 |
| 56) Diethylphthalate | 15.36 | 149 | 1306290 | 22.056 | ng/ul | 97 |
| 58) Fluorene | 15.59 | 166 | 1287005 | 21.315 | ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.58 | 204 | 739582 | 21.432 | ng/ul | 94 |
| 60) 4-Nitroaniline | 15.66 | 138 | 205758 | 18.174 | ng/ul | 87 |
| 63) 4,6-Dinitro-2-methylphenol | 15.68 | 198 | 264986 | 20.008 | ng/ul# | 96 |
| 64) N-Nitrosodiphenylamine | 15.80 | 169 | 1085892 | 21.110 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.47 | 248 | 466193 | 21.471 | ng/ul | 90 |
| 66) Hexachlorobenzene | 16.57 | 284 | 458320 | 20.157 | ng/ul# | 84 |
| 67) Atrazine | 16.75 | 200 | 498073 | 22.278 | ng/ul | 94 |
| 68) Pentachlorophenol | 16.94 | 266 | 290588 | 20.077 | ng/ul | 98 |
| 69) Phenanthrene | 17.34 | 178 | 1950144 | 20.701 | ng/ul | 99 |
| 71) Anthracene | 17.43 | 178 | 2046472 | 20.809 | ng/ul | 98 |
| 72) Carbazole | 17.71 | 167 | 1632842 | 19.616 | ng/ul | 98 |
| 73) Di-n-butylphthalate | 18.23 | 149 | 2124310 | 22.606 | ng/ul | 98 |
| 74) Fluoranthene | 19.34 | 202 | 2374617 | 20.498 | ng/ul# | 97 |
| 77) Pyrene | 19.71 | 202 | 2436887 | 24.200 | ng/ul | 97 |
| 78) Butylbenzylphthalate | 20.58 | 149 | 917973 | 26.377 | ng/ul | 96 |
| 79) 3,3'-Dichlorobenzidine | 21.39 | 252 | 716592 | 18.681 | ng/ul | 94 |
| 80) Benzo(a)anthracene | 21.44 | 228 | 2308416 | 20.948 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 1271885 | 24.562 | ng/ul | 98 |
| 82) Chrysene | 21.50 | 228 | 2056295 | 20.642 | ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.22 | 149 | 2100450 | 26.124 | ng/ul# | 96 |
| 85) Benzo(b)fluoranthene | 23.09 | 252 | 2149723 | 21.148 | ng/ul | 99 |
| 86) Benzo(k)fluoranthene | 23.13 | 252 | 2070974 | 21.326 | ng/ul | 100 |
| 88) Benzo(a)pyrene | 23.70 | 252 | 2064912 | 20.494 | ng/ul | 99 |
| 89) Indeno(1,2,3-cd)pyrene | 26.19 | 276 | 2558139 | 20.095 | ng/ul | 99 |
| 90) Dibenzo(a,h)anthracene | 26.20 | 278 | 2173812 | 19.827 | ng/ul# | 98 |
| 91) Benzo(g,h,i)perylene | 26.94 | 276 | 2101618 | 20.039 | ng/ul | 98 |

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

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