Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

Quantitation Report (QT Reviewed)

Data File : BM013477.D
Acq On : 16 Dec 2017 15:21
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 18 03:10:23 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 16 00:23:08 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.67 | 152 | 236422 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.45 | 136 | 1033717 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.32 | 164 | 598700 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.07 | 188 | 1344206 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.26 | 240 | 1076158 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.48 | 264 | 859784 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.22 | 96 | 33576 | 7.03 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.86 | 99 | 402173 | 19.66 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.02 | 67 | 231652 | 19.86 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.21 | 132 | 319998 | 20.02 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.39 | 113 | 330792 | 18.93 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.83 | 128 | 164121 | 20.02 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.55 | 143 | 184230 | 21.00 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.08 | 165 | 350577 | 19.39 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.60 | 131 | 398553 | 23.98 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.73 | 166 | 994445 | 18.67 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.01 | 160 | 1297489 | 19.74 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.54 | 143 | 161374 | 17.43 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.32 | 176 | 856430 | 18.69 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 123771 | 14.64 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.17 | 188 | 1345532 | 19.99 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.46 | 212 | 1306989 | 24.38 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.34 | 264 | 848526 | 19.38 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.26 | 88 | 37901 | 7.07 | ng/uL# | 63 |
| 4) Benzaldehyde | 6.83 | 77 | 211309 | 20.88 | ng/ul | 84 |
| 6) Phenol | 6.88 | 94 | 394936 | 19.53 | ng/ul# | 84 |
| 8) Bis(2-Chloroethyl)ether | 7.11 | 93 | 305563 | 19.76 | ng/ul | 100 |
| 10) 2-Chlorophenol | 7.24 | 128 | 317761 | 20.27 | ng/ul | 94 |
| 11) 2-Methylphenol | 8.12 | 108 | 302802 | 19.36 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20 | 45 | 331075 | 20.39 | ng/ul# | 81 |
| 14) Acetophenone | 8.49 | 105 | 516722 | 19.44 | ng/ul | 90 |
| 15) N-Nitroso-di-n-propylamine | 8.48 | 70 | 251845 | 18.81 | ng/ul# | 71 |
| 16) 4-Methylphenol | 8.45 | 108 | 328975 | 19.67 | ng/ul | 94 |
| 17) Hexachloroethane | 8.74 | 117 | 128448 | 18.82 | ng/ul# | 78 |
| 20) Nitrobenzene | 8.87 | 77 | 387768 | 18.78 | ng/ul | 94 |
| 21) Isophorone | 9.39 | 82 | 697389 | 19.19 | ng/ul | 94 |
| 23) 2-Nitrophenol | 9.57 | 139 | 187994 | 20.67 | ng/ul# | 77 |
| 24) 2,4-Dimethylphenol | 9.64 | 107 | 376861 | 19.00 | ng/ul# | 86 |
| 25) Bis(2-Chloroethoxy)methane | 9.87 | 93 | 411843 | 19.37 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.11 | 162 | 324170 | 19.41 | ng/ul | 88 |
| 28) Naphthalene | 10.50 | 128 | 1045432 | 19.66 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.62 | 127 | 390627 | 24.28 | ng/ul | 95 |
| 31) Hexachlorobutadiene | 10.78 | 225 | 222835 | 18.42 | ng/ul | 96 |
| 32) Caprolactam | 11.40 | 113 | 102414m | 19.19 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.75 | 107 | 336149 | 18.35 | ng/ul | 95 |
| 34) 2-Methylnaphthalene | 12.12 | 142 | 756330 | 18.92 | ng/ul | 97 |

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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 18 03:10:23 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 16 00:23:08 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216 | 427920 | 19.81 ng/ul# | 91 |
| 37) Hexachlorocyclopentadiene | 12.47 | 237 | 196410 | 13.81 ng/ul# | 96 |
| 38) 2,4,6-Trichlorophenol | 12.74 | 196 | 277895 | 20.63 ng/ul | 94 |
| 39) 2,4,5-Trichlorophenol | 12.82 | 196 | 290260 | 20.29 ng/ul | 100 |
| 40) 1,1'-Biphenyl | 13.15 | 154 | 1001861 | 19.80 ng/ul | 97 |
| 41) 2-Chloronaphthalene | 13.19 | 162 | 794661 | 20.02 ng/ul | 99 |
| 42) 2-Nitroaniline | 13.40 | 65 | 227052 | 19.52 ng/ul | 94 |
| 44) Dimethylphthalate | 13.78 | 163 | 942595 | 18.50 ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 13.90 | 165 | 204846 | 19.71 ng/ul | 97 |
| 47) Acenaphthylene | 14.04 | 152 | 1208026 | 19.86 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.23 | 138 | 192962 | 20.77 ng/ul | 97 |
| 49) Acenaphthene | 14.38 | 153 | 810751 | 19.56 ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.45 | 184 | 82328 | 14.32 ng/ul | 93 |
| 52) 4-Nitrophenol | 14.55 | 109 | 145788 | 16.05 ng/ul | 84 |
| 53) Dibenzofuran | 14.72 | 168 | 1159867 | 18.96 ng/ul | 98 |
| 54) 2,4-Dinitrotoluene | 14.70 | 165 | 291273 | 19.27 ng/ul | 88 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.95 | 232 | 249444 | 19.02 ng/ul | 92 |
| 56) Diethylphthalate | 15.15 | 149 | 951523 | 18.62 ng/ul | 95 |
| 58) Fluorene | 15.37 | 166 | 946270 | 18.69 ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.37 | 204 | 501282 | 18.25 ng/ul | 96 |
| 60) 4-Nitroaniline | 15.40 | 138 | 217589 | 19.85 ng/ul | 97 |
| 63) 4,6-Dinitro-2-methylphenol | 15.46 | 198 | 120500 | 14.26 ng/ul | 94 |
| 64) N-Nitrosodiphenylamine | 15.59 | 169 | 814161 | 20.56 ng/ul | 96 |
| 65) 4-Bromophenyl-phenylether | 16.26 | 248 | 319216 | 20.20 ng/ul | 97 |
| 66) Hexachlorobenzene | 16.37 | 284 | 342172 | 19.64 ng/ul# | 94 |
| 67) Atrazine | 16.54 | 200 | 296937 | 20.32 ng/ul | 93 |
| 68) Pentachlorophenol | 16.72 | 266 | 169187 | 16.79 ng/ul | 97 |
| 69) Phenanthrene | 17.11 | 178 | 1493159 | 19.55 ng/ul | 99 |
| 71) Anthracene | 17.20 | 178 | 1541073 | 19.74 ng/ul | 99 |
| 72) Carbazole | 17.47 | 167 | 1273166 | 18.96 ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.04 | 149 | 1547539 | 19.74 ng/ul | 99 |
| 74) Fluoranthene | 19.13 | 202 | 1658212 | 17.72 ng/ul# | 92 |
| 77) Pyrene | 19.49 | 202 | 1616684 | 24.73 ng/ul# | 90 |
| 78) Butylbenzylphthalate | 20.40 | 149 | 663399 | 25.97 ng/ul | 91 |
| 79) 3,3'-Dichlorobenzidine | 21.18 | 252 | 368958 | 16.31 ng/ul# | 95 |
| 80) Benzo(a)anthracene | 21.24 | 228 | 1339853 | 19.62 ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 904357 | 23.49 ng/ul | 99 |
| 82) Chrysene | 21.30 | 228 | 1224155 | 19.32 ng/ul | 98 |
| 84) Di-n-octyl phthalate | 22.06 | 149 | 1430210 | 23.39 ng/ul | 99 |
| 85) Benzo(b)fluoranthene | 22.82 | 252 | 1123211 | 19.38 ng/ul# | 98 |
| 86) Benzo(k)fluoranthene | 22.86 | 252 | 1028214 | 18.85 ng/ul# | 98 |
| 88) Benzo(a)pyrene | 23.39 | 252 | 1009606 | 19.39 ng/ul# | 97 |
| 89) Indeno(1,2,3-cd)pyrene | 25.71 | 276 | 1112583 | 21.54 ng/ul# | 93 |
| 90) Dibenzo(a,h)anthracene | 25.72 | 278 | 952751 | 21.66 ng/ul# | 94 |
| 91) Benzo(g,h,i)perylene | 26.40 | 276 | 921251 | 22.61 ng/ul# | 94 |

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

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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

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