Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013404.D
Acq On : 14 Dec 2017 16:23
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 08:59:00 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

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02037

**Manual Integrations APPROVED**
Sohil
12/15/2017 6:48:26 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.67 | 152 | 162098 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.46 | 136 | 720246 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.32 | 164 | 460784 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.07 | 188 | 1135448 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.26 | 240 | 1348068 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.49 | 264 | 1312464 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.23 | 96 | 26380 | 8.06 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.86 | 99 | 264948 | 18.89 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.02 | 67 | 154616 | 19.33 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.22 | 132 | 213908 | 19.52 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.39 | 113 | 226507 | 18.90 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.83 | 128 | 112484 | 19.69 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.55 | 143 | 123931 | 20.27 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.08 | 165 | 245419 | 19.48 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.60 | 131 | 277452 | 23.96 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.74 | 166 | 808154 | 19.71 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.02 | 160 | 990508 | 19.58 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.54 | 143 | 133739 | 18.77 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.32 | 176 | 695656 | 19.73 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 150161 | 21.02 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.17 | 188 | 1128806 | 19.85 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.47 | 212 | 1305554 | 19.44 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.34 | 264 | 1297195 | 19.40 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.26 | 88 | 29213 | 7.950 | ng/uL# | 69 |
| 4) Benzaldehyde | 6.83 | 77 | 144185 | 20.777 | ng/ul | 93 |
| 6) Phenol | 6.88 | 94 | 261791 | 18.883 | ng/ul# | 88 |
| 8) Bis(2-Chloroethyl)ether | 7.11 | 93 | 205289 | 19.366 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.25 | 128 | 207839 | 19.341 | ng/ul | 94 |
| 11) 2-Methylphenol | 8.12 | 108 | 198528 | 18.514 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20 | 45 | 218745 | 19.653 | ng/ul# | 81 |
| 14) Acetophenone | 8.50 | 105 | 349170 | 19.163 | ng/ul | 92 |
| 15) N-Nitroso-di-n-propylamine | 8.49 | 70 | 183870 | 20.033 | ng/ul# | 68 |
| 16) 4-Methylphenol | 8.45 | 108 | 218195 | 19.029 | ng/ul | 97 |
| 17) Hexachloroethane | 8.75 | 117 | 93896 | 20.069 | ng/ul | 84 |
| 20) Nitrobenzene | 8.87 | 77 | 273468 | 19.006 | ng/ul | 99 |
| 21) Isophorone | 9.40 | 82 | 497584 | 19.653 | ng/ul | 95 |
| 23) 2-Nitrophenol | 9.58 | 139 | 127259 | 20.080 | ng/ul# | 87 |
| 24) 2,4-Dimethylphenol | 9.65 | 107 | 259520 | 18.775 | ng/ul# | 89 |
| 25) Bis(2-Chloroethoxy)methane | 9.88 | 93 | 292792 | 19.760 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.11 | 162 | 230448 | 19.805 | ng/ul# | 84 |
| 28) Naphthalene | 10.51 | 128 | 719384 | 19.414 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.62 | 127 | 270398 | 24.123 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 10.79 | 225 | 159702 | 18.948 | ng/ul# | 87 |
| 32) Caprolactam | 11.40 | 113 | 73349m | 19.724 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.76 | 107 | 250654 | 19.637 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.13 | 142 | 542218 | 19.465 | ng/ul | 96 |

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Quant Title : SVOA CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216 | 320858 | 19.298 ng/ul# | 97 |
| 37) Hexachlorocyclopentadiene | 12.47 | 237 | 187280 | 17.113 ng/ul | 98 |
| 38) 2,4,6-Trichlorophenol | 12.74 | 196 | 206348 | 19.907 ng/ul | 99 |
| 39) 2,4,5-Trichlorophenol | 12.82 | 196 | 219427 | 19.929 ng/ul | 96 |
| 40) 1,1'-Biphenyl | 13.15 | 154 | 744057 | 19.106 ng/ul | 95 |
| 41) 2-Chloronaphthalene | 13.19 | 162 | 592459 | 19.391 ng/ul | 99 |
| 42) 2-Nitroaniline | 13.40 | 65 | 175755 | 19.635 ng/ul | 97 |
| 44) Dimethylphthalate | 13.79 | 163 | 771128 | 19.663 ng/ul | 100 |
| 45) 2,6-Dinitrotoluene | 13.90 | 165 | 159356 | 19.923 ng/ul | 99 |
| 47) Acenaphthylene | 14.04 | 152 | 916244 | 19.567 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.24 | 138 | 144650 | 20.232 ng/ul | 84 |
| 49) Acenaphthene | 14.39 | 153 | 624366 | 19.574 ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.45 | 184 | 85824 | 19.390 ng/ul | 94 |
| 52) 4-Nitrophenol | 14.55 | 109 | 140285 | 20.072 ng/ul# | 78 |
| 53) Dibenzofuran | 14.72 | 168 | 922006 | 19.579 ng/ul | 99 |
| 54) 2,4-Dinitrotoluene | 14.70 | 165 | 236349 | 20.313 ng/ul | 91 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.95 | 232 | 205908 | 20.396 ng/ul# | 87 |
| 56) Diethylphthalate | 15.16 | 149 | 797984 | 20.287 ng/ul | 95 |
| 58) Fluorene | 15.37 | 166 | 764999 | 19.637 ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.37 | 204 | 413990 | 19.579 ng/ul | 98 |
| 60) 4-Nitroaniline | 15.40 | 138 | 170533 | 20.217 ng/ul | 91 |
| 63) 4,6-Dinitro-2-methylphenol | 15.46 | 198 | 149606 | 20.959 ng/ul | 95 |
| 64) N-Nitrosodiphenylamine | 15.59 | 169 | 661275 | 19.771 ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.27 | 248 | 265954 | 19.925 ng/ul | 94 |
| 66) Hexachlorobenzene | 16.37 | 284 | 288110 | 19.573 ng/ul# | 91 |
| 67) Atrazine | 16.54 | 200 | 265620 | 21.515 ng/ul | 95 |
| 68) Pentachlorophenol | 16.72 | 266 | 156469 | 18.379 ng/ul | 98 |
| 69) Phenanthrene | 17.12 | 178 | 1270305 | 19.693 ng/ul | 99 |
| 71) Anthracene | 17.20 | 178 | 1304895 | 19.790 ng/ul | 98 |
| 72) Carbazole | 17.48 | 167 | 1092454 | 19.262 ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.04 | 149 | 1378867 | 20.826 ng/ul | 98 |
| 74) Fluoranthene | 19.13 | 202 | 1556041 | 19.684 ng/ul# | 93 |
| 77) Pyrene | 19.50 | 202 | 1586349 | 19.370 ng/ul# | 93 |
| 78) Butylbenzylphthalate | 20.40 | 149 | 655708 | 20.491 ng/ul | 93 |
| 79) 3,3'-Dichlorobenzidine | 21.19 | 252 | 571932 | 20.182 ng/ul | 97 |
| 80) Benzo(a)anthracene | 21.24 | 228 | 1670650 | 19.533 ng/ul | 98 |
| 81) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 978277 | 20.282 ng/ul | 99 |
| 82) Chrysene | 21.30 | 228 | 1542647 | 19.441 ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.06 | 149 | 1642337 | 17.597 ng/ul | 99 |
| 85) Benzo(b)fluoranthene | 22.81 | 252 | 1635793 | 18.489 ng/ul# | 97 |
| 86) Benzo(k)fluoranthene | 22.86 | 252 | 1603201 | 19.255 ng/ul# | 98 |
| 88) Benzo(a)pyrene | 23.39 | 252 | 1536973 | 19.339 ng/ul# | 97 |
| 89) Indeno(1,2,3-cd)pyrene | 25.72 | 276 | 1761265 | 22.334 ng/ul# | 96 |
| 90) Dibenzo(a,h)anthracene | 25.73 | 278 | 1483812 | 22.098 ng/ul# | 96 |
| 91) Benzo(g,h,i)perylene | 26.40 | 276 | 1437230 | 23.105 ng/ul# | 96 |

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

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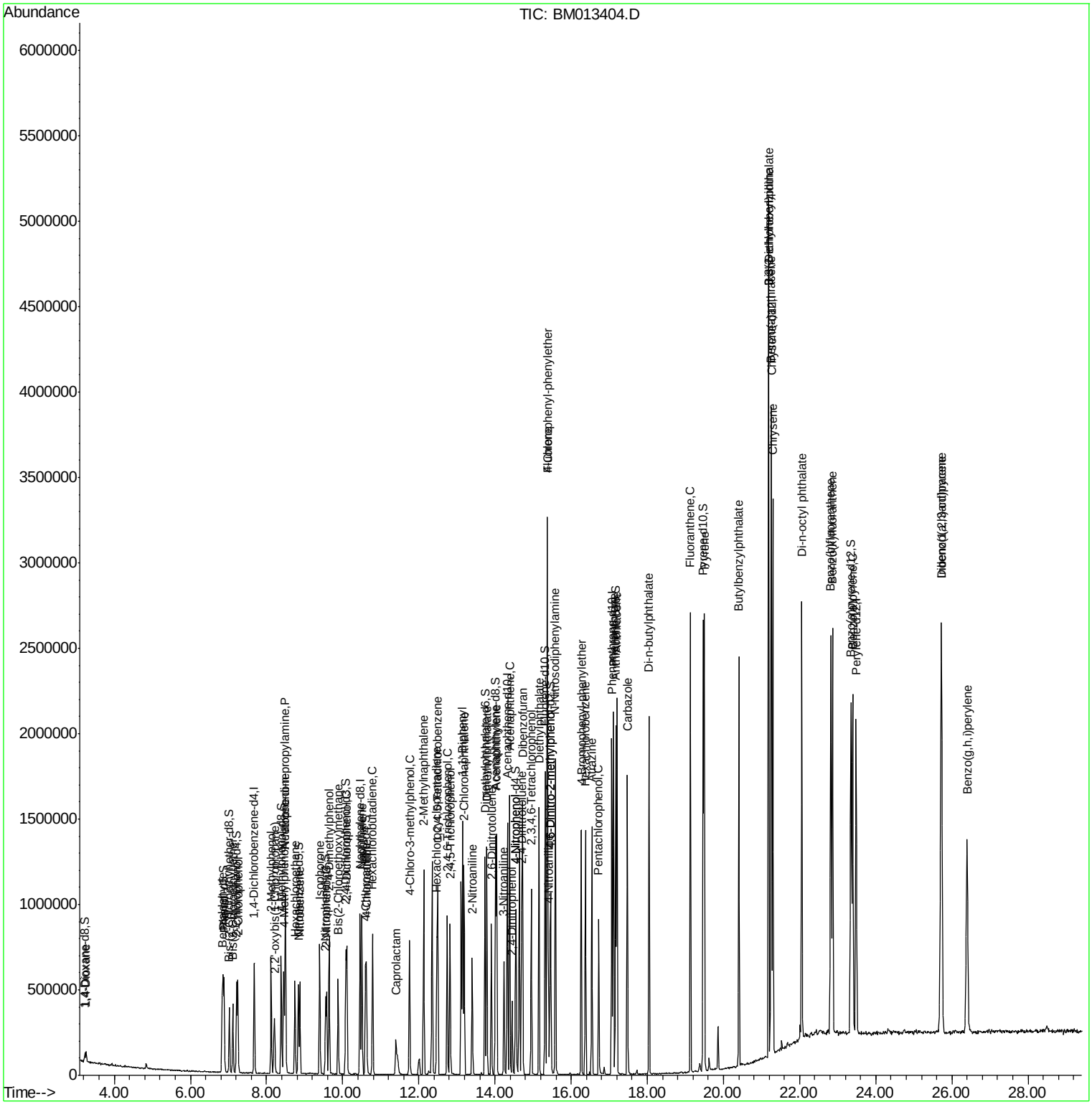
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