Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014446.D
Acq On : 01 Mar 2018 23:11
Operator : SJ/JU
Sample : J1679-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Z7

**Manual Integrations APPROVED**
Sohil
3/2/2018 3:32:07 PM

Quant Time: Mar 02 11:30:02 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 01 03:03:26 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.52 | 152 | 60133 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.29 | 136 | 302528 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.18 | 164 | 200313 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.94 | 188 | 493833 | 20.00 | ng/ul | 0.01 |
| 75) Chrysene-d12 | 21.17 | 240 | 697955 | 20.00 | ng/ul | 0.02 |
| 83) Perylene-d12 | 23.36 | 264 | 553038 | 20.00 | ng/ul | 0.04 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.09 | 96 | 4227 | 3.01 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.73 | 99 | 105559 | 20.77 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.87 | 67 | 62372 | 20.27 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.06 | 132 | 87220 | 22.38 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8 | 8.26 | 113 | 87932 | 19.77 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5 | 8.68 | 128 | 47380 | 21.19 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4 | 9.39 | 143 | 50342 | 21.76 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.95 | 165 | 96431 | 20.12 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4 | 10.46 | 131 | 112247 | 23.77 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6 | 13.60 | 166 | 337052 | 20.38 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.87 | 160 | 450192 | 22.07 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.49 | 143 | 37072m | 16.23 | ng/ul | 0.05 |
| 57) Fluorene-d10 | 15.19 | 176 | 301078 | 20.32 | ng/ul | 0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.37 | 200 | 1054m | 0.36 | ng/ul | 0.04 |
| 70) Anthracene-d10 | 17.04 | 188 | 501110 | 21.03 | ng/ul | 0.01 |
| 76) Pyrene-d10 | 19.36 | 212 | 676152 | 18.78 | ng/ul | 0.02 |
| 87) Benzo(a)pyrene-d12 | 23.22 | 264 | 559307 | 20.78 | ng/ul | 0.03 |
| **Target Compounds** | | | | | | Qvalue |
| 28) Naphthalene | 10.34 | 128 | 24402 | 1.570 | ng/ul# | 95 |
| 44) Dimethylphthalate | 13.65 | 163 | 100604 | 6.167 | ng/ul | 96 |
| 47) Acenaphthylene | 13.90 | 152 | 93869 | 4.869 | ng/ul | 98 |
| 49) Acenaphthene | 14.25 | 153 | 80639 | 5.940 | ng/ul | 99 |
| 53) Dibenzofuran | 14.59 | 168 | 162857 | 8.000 | ng/ul | 92 |
| 58) Fluorene | 15.24 | 166 | 255187 | 14.521 | ng/ul | 98 |
| 69) Phenanthrene | 16.99 | 178 | 4084846 | 143.566 | ng/ul | 100 |
| 71) Anthracene | 17.08 | 178 | 886210 | 30.971 | ng/ul | 99 |
| 72) Carbazole | 17.37 | 167 | 352955 | 14.669 | ng/ul | 97 |
| 74) Fluoranthene | 19.03 | 202 | 5595953 | 164.619 | ng/ul# | 92 |
| 77) Pyrene | 19.40 | 202 | 4403239 | 94.930 | ng/ul# | 94 |
| 80) Benzo(a)anthracene | 21.15 | 228 | 2342272 | 53.772 | ng/ul | 98 |
| 82) Chrysene | 21.20 | 228 | 1833398 | 45.118 | ng/ul | 97 |
| 85) Benzo(b)fluoranthene | 22.71 | 252 | 2098680 | 56.674 | ng/ul# | 96 |
| 86) Benzo(k)fluoranthene | 22.74 | 252 | 696818m | 19.792 | ng/ul | |
| 88) Benzo(a)pyrene | 23.26 | 252 | 1397483 | 42.232 | ng/ul# | 95 |
| 89) Indeno(1,2,3-cd)pyrene | 25.54 | 276 | 825595 | 25.711 | ng/ul# | 97 |
| 90) Dibenzo(a,h)anthracene | 25.53 | 278 | 229994 | 8.620 | ng/ul# | 76 |
| 91) Benzo(g,h,i)perylene | 26.21 | 276 | 707993 | 27.218 | ng/ul# | 94 |

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

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