Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
Data File : BM006602.D
Acq On : 22 Jul 2016 00:39
Operator : UM/SJ
Sample : H4078-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** D9YS4

**Manual Integrations APPROVED**
umangi
7/22/2016 6:24:36 PM

Quant Time: Jul 22 03:42:28 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 22 01:56:00 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.61 | 152 | 163886 | 20.00 | ng/ul | 0.00 |
| 7) Naphthalene-d8 | 10.39 | 136 | 687195 | 20.00 | ng/ul | 0.00 |
| 15) Acenaphthene-d10 | 14.26 | 164 | 376977 | 20.00 | ng/ul | 0.00 |
| 23) Phenanthrene-d10 | 17.02 | 188 | 857546 | 20.00 | ng/ul | 0.00 |
| 29) Chrysene-d12 | 21.22 | 240 | 918020 | 20.00 | ng/ul | 0.00 |
| 34) Perylene-d12 | 23.42 | 264 | 1060908 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,4-Dioxane-d8 | 3.14 | 96 | 6008 | 1.48 | ng/uL | 0.00 |
| 3) Phenol-d5 | 6.79 | 99 | 213174 | 15.29 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d | 6.95 | 67 | 148104 | 17.15 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4 | 7.15 | 132 | 178082 | 15.98 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8 | 8.32 | 113 | 138611 | 12.82 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5 | 8.76 | 128 | 84852 | 16.31 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4 | 9.48 | 143 | 92292 | 16.68 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3 | 10.02 | 165 | 165733 | 15.85 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4 | 10.53 | 131 | 166555 | 14.47 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6 | 13.67 | 166 | 499909 | 16.91 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8 | 13.95 | 160 | 651027 | 17.26 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4 | 14.49 | 143 | 58052 | 11.31 | ng/ul | 0.00 |
| 21) Fluorene-d10 | 15.26 | 176 | 461677 | 17.46 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 49080 | 11.03 | ng/ul | 0.00 |
| 26) Anthracene-d10 | 17.11 | 188 | 718415 | 17.64 | ng/ul | 0.00 |
| 30) Pyrene-d10 | 19.42 | 212 | 798564 | 19.09 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12 | 23.28 | 264 | 868186 | 17.79 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 11) Naphthalene | 10.44 | 128 | 748720 | 21.13 | ng/ul | 99 |
| 13) 2-Methylnaphthalene | 12.06 | 142 | 144662 | 5.56 | ng/ul | 95 |
| 14) 1-Methylnaphthalene | 12.28 | 142 | 93701 | 3.78 | ng/ul# | 93 |
| 18) Acenaphthylene | 13.99 | 152 | 68421 | 1.69 | ng/ul | 94 |
| 19) Acenaphthene | 14.33 | 153 | 315120 | 12.14 | ng/ul | 96 |
| 22) Fluorene | 15.32 | 166 | 342035 | 11.69 | ng/ul | 95 |
| 25) Phenanthrene | 17.06 | 178 | 3187430 | 66.09 | ng/ul | 97 |
| 27) Anthracene | 17.14 | 178 | 689705 | 13.89 | ng/ul | 98 |
| 28) Fluoranthene | 19.09 | 202 | 4279076m | 75.52 | ng/ul | |
| 31) Pyrene | 19.45 | 202 | 3545211 | 63.78 | ng/ul# | 95 |
| 32) Benzo(a)anthracene | 21.20 | 228 | 2287687 | 41.12 | ng/ul | 98 |
| 33) Chrysene | 21.26 | 228 | 2364158 | 46.09 | ng/ul | 97 |
| 35) Benzo(b)fluoranthene | 22.76 | 252 | 3721337 | 58.51 | ng/ul | 99 |
| 36) Benzo(k)fluoranthene | 22.80 | 252 | 1161311m | 18.89 | ng/ul | |
| 38) Benzo(a)pyrene | 23.33 | 252 | 2498074 | 40.36 | ng/ul | 97 |
| 39) Indeno(1,2,3-cd)pyrene | 25.62 | 276 | 2053648 | 28.65 | ng/ul | 98 |
| 40) Dibenzo(a,h)anthracene | 25.62 | 278 | 562019m | 9.46 | ng/ul | |
| 41) Benzo(g,h,i)perylene | 26.30 | 276 | 1943200 | 31.63 | ng/ul | 97 |

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

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