Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006627.D
Acq On : 22 Jul 2016 16:04
Operator : UM/SJ
Sample : H4076-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** D9YQ3

**Manual Integrations APPROVED**
sohil
7/25/2016 6:40:25 PM

Quant Time: Jul 23 00:54:59 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 23 00:16:38 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.62 | 152 | 174146 | 20.00 | ng/ul | 0.00 |
| 7) Naphthalene-d8 | 10.40 | 136 | 751728 | 20.00 | ng/ul | 0.00 |
| 15) Acenaphthene-d10 | 14.27 | 164 | 414446 | 20.00 | ng/ul | 0.00 |
| 23) Phenanthrene-d10 | 17.02 | 188 | 907878 | 20.00 | ng/ul | 0.00 |
| 29) Chrysene-d12 | 21.23 | 240 | 946376 | 20.00 | ng/ul | 0.00 |
| 34) Perylene-d12 | 23.43 | 264 | 979698 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,4-Dioxane-d8 | 3.14 | 96 | 11522 | 2.68 | ng/uL | 0.00 |
| 3) Phenol-d5 | 6.80 | 99 | 470948 | 31.79 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d | 6.96 | 67 | 300737 | 32.77 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4 | 7.15 | 132 | 376679 | 31.82 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8 | 8.33 | 113 | 263063 | 22.89 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5 | 8.77 | 128 | 189594 | 33.32 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4 | 9.49 | 143 | 202301 | 33.43 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3 | 10.03 | 165 | 350804 | 30.68 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4 | 10.54 | 131 | 314194 | 24.95 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6 | 13.69 | 166 | 1037725 | 31.93 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8 | 13.96 | 160 | 1357971 | 32.74 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4 | 14.50 | 143 | 154393 | 27.36 | ng/ul | 0.01 |
| 21) Fluorene-d10 | 15.27 | 176 | 941216 | 32.39 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 74903 | 15.89 | ng/ul | 0.00 |
| 26) Anthracene-d10 | 17.12 | 188 | 1389013 | 32.22 | ng/ul | 0.00 |
| 30) Pyrene-d10 | 19.43 | 212 | 1518428 | 35.21 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12 | 23.29 | 264 | 1471000 | 32.64 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 25) Phenanthrene | 17.06 | 178 | 140870 | 2.76 | ng/ul | 99 |
| 28) Fluoranthene | 19.09 | 202 | 470286 | 7.84 | ng/ul | 99 |
| 31) Pyrene | 19.46 | 202 | 416072 | 7.26 | ng/ul | 97 |
| 32) Benzo(a)anthracene | 21.21 | 228 | 252383 | 4.40 | ng/ul | 97 |
| 33) Chrysene | 21.26 | 228 | 267479 | 5.06 | ng/ul | 98 |
| 35) Benzo(b)fluoranthene | 22.77 | 252 | 388105 | 6.61 | ng/ul | 99 |
| 36) Benzo(k)fluoranthene | 22.81 | 252 | 141109m | 2.48 | ng/ul | |
| 38) Benzo(a)pyrene | 23.33 | 252 | 263298 | 4.61 | ng/ul | 94 |
| 39) Indeno(1,2,3-cd)pyrene | 25.63 | 276 | 221924 | 3.35 | ng/ul | 100 |
| 40) Dibenzo(a,h)anthracene | 25.64 | 278 | 64960 | 1.18 | ng/ul# | 72 |
| 41) Benzo(g,h,i)perylene | 26.31 | 276 | 220682 | 3.89 | ng/ul | 97 |

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

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