Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021880.D
Acq On : 12 May 2016 22:36
Operator : UM/SJ
Sample : H2936-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** D9WK7

**Manual Integrations APPROVED**
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5/13/2016 8:13:09 PM

Quant Time: May 13 07:57:44 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 13 04:58:59 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.17 | 152 | 70104 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.99 | 136 | 379667 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.80 | 164 | 233037 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.54 | 188 | 484938 | 20.00 | ng/ul | 0.00 |
| 76) Chrysene-d12 | 21.83 | 240 | 470801 | 20.00 | ng/ul | 0.00 |
| 84) Perylene-d12 | 25.17 | 264 | 476004 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.56 | 96 | 5233 | 3.60 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.32 | 99 | 134667 | 25.89 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.49 | 67 | 60395 | 23.41 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.70 | 132 | 118754 | 29.41 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.87 | 113 | 116942m | 26.76 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.34 | 128 | 63684 | 25.51 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.07 | 143 | 68354 | 43.35 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.61 | 165 | 127535 | 28.61 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.13 | 131 | 81044m | 16.88 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.20 | 166 | 392992 | 24.01 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.50 | 160 | 524293 | 22.56 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.98 | 143 | 63792m | 22.74 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.78 | 176 | 359194 | 20.84 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 40327 | 30.02 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.64 | 188 | 503400 | 21.33 | ng/ul | 0.00 |
| 77) Pyrene-d10 | 19.91 | 212 | 511816 | 23.22 | ng/ul | 0.00 |
| 88) Benzo(a)pyrene-d12 | 24.94 | 264 | 495895 | 21.93 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 45) Dimethylphthalate | 14.24 | 163 | 81901 | 4.91 | ng/ul | 98 |
| 70) Phenanthrene | 17.58 | 178 | 122702 | 4.63 | ng/ul | 97 |
| 72) Anthracene | 17.67 | 178 | 30574 | 1.14 | ng/ul | 98 |
| 74) Di-n-butylphthalate | 18.49 | 149 | 50855 | 2.40 | ng/ul# | 96 |
| 75) Fluoranthene | 19.58 | 202 | 254071 | 8.43 | ng/ul# | 95 |
| 78) Pyrene | 19.94 | 202 | 227103 | 8.34 | ng/ul | 94 |
| 79) Butylbenzylphthalate | 20.82 | 149 | 14585m | 2.42 | ng/ul | |
| 81) Benzo(a)anthracene | 21.80 | 228 | 159653 | 6.09 | ng/ul | 96 |
| 82) Bis(2-ethylhexyl)phthalate | 21.69 | 149 | 171787 | 17.48 | ng/ul | 96 |
| 83) Chrysene | 21.88 | 228 | 159616 | 6.16 | ng/ul | 97 |
| 86) Benzo(b)fluoranthene | 24.10 | 252 | 279161 | 10.25 | ng/ul# | 94 |
| 87) Benzo(k)fluoranthene | 24.15 | 252 | 108731m | 3.73 | ng/ul | |
| 89) Benzo(a)pyrene | 25.01 | 252 | 166418 | 6.14 | ng/ul# | 93 |
| 90) Indeno(1,2,3-cd)pyrene | 28.99 | 276 | 113681 | 3.54 | ng/ul | 96 |
| 91) Dibenzo(a,h)anthracene | 29.03 | 278 | 36277m | 1.36 | ng/ul | |
| 92) Benzo(g,h,i)perylene | 30.18 | 276 | 100840m | 3.80 | ng/ul | |

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

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