Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020754.D
Acq On : 15 Jan 2016 16:01
Operator : SJ/IZ
Sample : H1101-16 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BC9F7

**Manual Integrations APPROVED**
Sohil
1/16/2016 3:03:20 AM

Quant Time: Jan 16 00:05:08 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 15 22:12:27 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 17093 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.86 | 136 | 72496 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.68 | 164 | 52013 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.43 | 188 | 132234 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.70 | 240 | 156778 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.96 | 264 | 151054 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 0.00 | 96 | 0 | 0.00 | ng/uL | |
| 5) Phenol-d5 | 7.22 | 99 | 1603 | 1.09 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.36 | 67 | 1058 | 1.20 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.58 | 132 | 1564 | 1.36 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.76 | 113 | 1327m | 1.07 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.23 | 128 | 803m | 1.40 | ng/ul | 0.02 |
| 22) 2-Nitrophenol-d4 | 9.94 | 143 | 889m | 1.34 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.50 | 165 | 1794 | 1.42 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4 | 0.00 | 131 | 0d | 0.00 | ng/ul | |
| 44) Dimethylphthalate-d6 | 14.08 | 166 | 7653 | 1.69 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.37 | 160 | 9080 | 1.78 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 0.00 | 143 | 0 | 0.00 | ng/ul | |
| 58) Fluorene-d10 | 15.67 | 176 | 7302 | 1.80 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0d | 0.00 | ng/ul | |
| 71) Anthracene-d10 | 17.52 | 188 | 12260 | 1.89 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.81 | 212 | 14521 | 1.95 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.73 | 264 | 14714 | 1.83 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 59) Fluorene | 15.73 | 166 | 5955 | 1.31 | ng/ul | 94 |
| 70) Phenanthrene | 17.47 | 178 | 132586 | 16.85 | ng/ul | 99 |
| 72) Anthracene | 17.56 | 178 | 14892 | 1.87 | ng/ul | 98 |
| 75) Carbazole | 17.83 | 167 | 7661 | 1.18 | ng/ul | 95 |
| 77) Fluoranthene | 19.48 | 202 | 202010 | 21.12 | ng/ul | 98 |
| 80) Pyrene | 19.84 | 202 | 240265 | 24.17 | ng/ul | 100 |
| 83) Benzo(a)anthracene | 21.68 | 228 | 112240 | 11.48 | ng/ul | 97 |
| 85) Chrysene | 21.75 | 228 | 126826 | 13.71 | ng/ul | 96 |
| 88) Benzo(b)fluoranthene | 23.92 | 252 | 111082 | 11.42 | ng/ul# | 97 |
| 89) Benzo(k)fluoranthene | 23.98 | 252 | 43624m | 4.54 | ng/ul | |
| 91) Benzo(a)pyrene | 24.80 | 252 | 97774 | 10.44 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 28.68 | 276 | 56569 | 5.12 | ng/ul | 95 |
| 93) Dibenzo(a,h)anthracene | 28.70 | 278 | 18835m | 2.07 | ng/ul | |
| 94) Benzo(g,h,i)perylene | 29.84 | 276 | 58483 | 6.42 | ng/ul | 95 |

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

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