Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023649.D
Acq On : 12 Aug 2016 10:26
Operator : UM/SJ
Sample : H4384-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
P001-SS001-1218-01

**Manual Integrations APPROVED**
sohil
8/15/2016 6:48:27 PM

Quant Time: Aug 15 17:34:16 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 01:31:24 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.12 | 152 | 185738 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.95 | 136 | 941154 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.79 | 164 | 682314 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.56 | 188 | 1499614 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.88 | 240 | 1141366 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.29 | 264 | 1192670 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.49 | 96 | 5760 | 1.32 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.28 | 99 | 229928 | 12.29 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.43 | 67 | 152810 | 12.75 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.65 | 132 | 168180 | 13.18 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8 | 8.83 | 113 | 184122 | 12.60 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.30 | 128 | 94079m | 12.68 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.03 | 143 | 140345 | 16.47 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.58 | 165 | 226733 | 14.11 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.09 | 131 | 155005 | 8.22 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.18 | 166 | 688851 | 12.33 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.48 | 160 | 813267 | 12.93 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.02 | 143 | 42617 | 4.47 | ng/ul | 0.01 |
| 57) Fluorene-d10 | 15.79 | 176 | 640977 | 12.42 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.93 | 200 | 2927 | 0.30 | ng/ul | 0.02 |
| 70) Anthracene-d10 | 17.66 | 188 | 923469 | 13.67 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.95 | 212 | 805671 | 13.95 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.05 | 264 | 704925 | 13.06 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 28) Naphthalene | 11.01 | 128 | 59032 | 1.24 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.62 | 142 | 90130 | 2.33 | ng/ul | 91 |
| 44) Dimethylphthalate | 14.23 | 163 | 616478 | 11.14 | ng/ul | 99 |
| 47) Acenaphthylene | 14.51 | 152 | 420778 | 6.40 | ng/ul | 99 |
| 49) Acenaphthene | 14.85 | 153 | 116492 | 2.60 | ng/ul | 95 |
| 53) Dibenzofuran | 15.19 | 168 | 205990m | 3.10 | ng/ul | |
| 58) Fluorene | 15.84 | 166 | 330530 | 5.98 | ng/ul | 98 |
| 69) Phenanthrene | 17.60 | 178 | 3955563m | 50.93 | ng/ul | |
| 71) Anthracene | 17.69 | 178 | 969708 | 12.24 | ng/ul | 98 |
| 72) Carbazole | 17.96 | 167 | 141298 | 2.21 | ng/ul# | 97 |
| 74) Fluoranthene | 19.62 | 202 | 4304137 | 54.13 | ng/ul# | 81 |
| 77) Pyrene | 19.98 | 202 | 4218610 | 59.79 | ng/ul# | 82 |
| 80) Benzo(a)anthracene | 21.86 | 228 | 2945176 | 45.82 | ng/ul# | 83 |
| 82) Chrysene | 21.93 | 228 | 2751594 | 47.08 | ng/ul# | 84 |
| 85) Benzo(b)fluoranthene | 24.21 | 252 | 3293624 | 48.55 | ng/ul# | 93 |
| 86) Benzo(k)fluoranthene | 24.27 | 252 | 1208825m | 18.10 | ng/ul | |
| 88) Benzo(a)pyrene | 25.13 | 252 | 2512184m | 38.35 | ng/ul | |
| 89) Indeno(1,2,3-cd)pyrene | 29.19 | 276 | 1616256 | 21.00 | ng/ul# | 87 |
| 90) Dibenzo(a,h)anthracene | 29.22 | 278 | 450814m | 6.87 | ng/ul | |
| 91) Benzo(g,h,i)perylene | 30.42 | 276 | 1273580 | 19.96 | ng/ul# | 87 |

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

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