Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025238.D
Acq On : 16 Dec 2016 8:23
Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8E0

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:29 PM

Quant Time: Dec 16 13:12:03 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.23 | 152 | 83969 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.07 | 136 | 353630 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.86 | 164 | 265443 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.61 | 188 | 527867 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.90 | 240 | 621672 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.33 | 264 | 605547 | 20.00 | ng/ul | 0.03 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.59 | 96 | 5231 | 3.22 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.39 | 99 | 148537 | 20.50 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.55 | 67 | 100777 | 22.49 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.77 | 132 | 104291 | 20.59 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.95 | 113 | 133782 | 22.10 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.42 | 128 | 57800 | 23.08 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.14 | 143 | 69925 | 22.40 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.69 | 165 | 135965 | 22.65 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4 | 11.21 | 131 | 56902 | 9.64 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.25 | 166 | 447864 | 24.53 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.56 | 160 | 491468 | 24.57 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.07 | 143 | 56945 | 18.15 | ng/ul | 0.01 |
| 57) Fluorene-d10 | 15.84 | 176 | 399210 | 23.23 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.98 | 200 | 72491 | 22.21 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.71 | 188 | 547354 | 24.57 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.97 | 212 | 625392 | 24.42 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.09 | 264 | 618682 | 25.22 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 7.43 | 94 | 23811 | 3.20 | ng/ul# | 87 |
| 44) Dimethylphthalate | 14.30 | 163 | 96998 | 5.41 | ng/ul# | 93 |
| 49) Acenaphthene | 14.92 | 153 | 14814 | 1.11 | ng/ul# | 83 |
| 58) Fluorene | 15.90 | 166 | 22509 | 1.31 | ng/ul | 97 |
| 69) Phenanthrene | 17.65 | 178 | 1009446 | 40.07 | ng/ul | 97 |
| 71) Anthracene | 17.73 | 178 | 76992 | 2.97 | ng/ul# | 92 |
| 72) Carbazole | 18.01 | 167 | 178010 | 8.24 | ng/ul | 97 |
| 74) Fluoranthene | 19.64 | 202 | 2999194 | 100.18 | ng/ul# | 96 |
| 77) Pyrene | 20.01 | 202 | 2465661 | 82.51 | ng/ul | 99 |
| 80) Benzo(a)anthracene | 21.88 | 228 | 1191378 | 36.89 | ng/ul | 97 |
| 82) Chrysene | 21.95 | 228 | 1700737 | 56.29 | ng/ul | 96 |
| 85) Benzo(b)fluoranthene | 24.24 | 252 | 2196659 | 73.16 | ng/ul | 96 |
| 86) Benzo(k)fluoranthene | 24.30 | 252 | 822762m | 28.82 | ng/ul | |
| 88) Benzo(a)pyrene | 25.17 | 252 | 1071060 | 37.10 | ng/ul | 99 |
| 89) Indeno(1,2,3-cd)pyrene | 29.27 | 276 | 805245m | 22.44 | ng/ul | |
| 90) Dibenzo(a,h)anthracene | 29.31 | 278 | 193620m | 6.40 | ng/ul | |
| 91) Benzo(g,h,i)perylene | 30.51 | 276 | 650951m | 21.74 | ng/ul | |

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

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