Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020239.D
Acq On : 17 Dec 2015 2:47
Operator : UM/SJ
Sample : G4767-19
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** D9N41

**Manual Integrations APPROVED**
MMdadoda
12/17/2015 12:00:28 PM

Quant Time: Dec 17 05:59:43 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 03:53:00 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.10 | 152 | 21395 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.92 | 136 | 99750 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.73 | 164 | 75740 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.49 | 188 | 158735 | 20.00 | ng/ul | 0.01 |
| 78) Chrysene-d12 | 21.75 | 240 | 188873 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.01 | 264 | 179681 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.47 | 96 | 1783 | 4.60 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.24 | 99 | 58805 | 31.17 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.42 | 67 | 34871 | 30.98 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.63 | 132 | 45372 | 33.07 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.80 | 113 | 53164 | 32.95 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.27 | 128 | 26212 | 33.71 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.99 | 143 | 30685 | 35.46 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.54 | 165 | 57728 | 32.94 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4 | 11.05 | 131 | 70040 | 35.58 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.14 | 166 | 182532 | 29.79 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.42 | 160 | 207412 | 29.10 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.92 | 143 | 28489 | 25.93 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.72 | 176 | 154582 | 27.82 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.82 | 200 | 59 | 0.06 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.60 | 188 | 224835 | 30.74 | ng/ul | 0.03 |
| 79) Pyrene-d10 | 19.86 | 212 | 262353 | 29.80 | ng/ul | 0.01 |
| 90) Benzo(a)pyrene-d12 | 24.79 | 264 | 287005 | 32.02 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 7.27 | 94 | 2640 | 1.31 | ng/ul# | 82 |
| 28) Naphthalene | 10.99 | 128 | 3628796 | 696.62 | ng/ul# | 77 |
| 34) 2-Methylnaphthalene | 12.58 | 142 | 1476421 | 371.06 | ng/ul | 99 |
| 35) 1-Methylnaphthalene | 12.79 | 142 | 773999 | 202.34 | ng/ul# | 95 |
| 41) 1,1'-Biphenyl | 13.57 | 154 | 671689 | 117.55 | ng/ul | 98 |
| 45) Dimethylphthalate | 14.18 | 163 | 82467 | 13.18 | ng/ul | 98 |
| 48) Acenaphthylene | 14.45 | 152 | 232631 | 30.72 | ng/ul# | 97 |
| 50) Acenaphthene | 14.82 | 153 | 2442641 | 479.42 | ng/ul# | 88 |
| 54) Dibenzofuran | 15.15 | 168 | 2463953 | 325.09 | ng/ul# | 78 |
| 59) Fluorene | 15.80 | 166 | 2347173 | 385.64 | ng/ul# | 97 |
| 70) Phenanthrene | 17.57 | 178 | 6209776m | 715.20 | ng/ul | |
| 72) Anthracene | 17.63 | 178 | 1207037 | 137.06 | ng/ul# | 92 |
| 75) Carbazole | 17.89 | 167 | 907140 | 122.59 | ng/ul | 95 |
| 77) Fluoranthene | 19.55 | 202 | 4103204m | 404.36 | ng/ul | |
| 80) Pyrene | 19.91 | 202 | 3263064 | 285.45 | ng/ul# | 79 |
| 83) Benzo(a)anthracene | 21.73 | 228 | 1035270 | 93.94 | ng/ul | 94 |
| 85) Chrysene | 21.80 | 228 | 869306 | 83.75 | ng/ul | 94 |
| 88) Benzo(b)fluoranthene | 23.98 | 252 | 506167 | 46.80 | ng/ul | 98 |
| 89) Benzo(k)fluoranthene | 24.04 | 252 | 171042m | 16.48 | ng/ul | |
| 91) Benzo(a)pyrene | 24.86 | 252 | 289992 | 28.29 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 28.73 | 276 | 86947 | 7.12 | ng/ul | 94 |
| 93) Dibenzo(a,h)anthracene | 28.78 | 278 | 25334m | 2.50 | ng/ul | |
| 94) Benzo(g,h,i)perylene | 29.89 | 276 | 69555 | 6.95 | ng/ul | 98 |

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

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