Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** D9N50

**Manual Integrations APPROVED**
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Quant Time: Dec 22 10:26:21 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 07:46:34 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.09 | 152 | 27850 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.94 | 136 | 111145 | 20.00 | ng/ul | 0.03 |
| 36) Acenaphthene-d10 | 14.74 | 164 | 86787 | 20.00 | ng/ul | 0.01 |
| 62) Phenanthrene-d10 | 17.53 | 188 | 157969m | 20.00 | ng/ul | 0.06 |
| 78) Chrysene-d12 | 21.78 | 240 | 205005 | 20.00 | ng/ul | 0.03 |
| 86) Perylene-d12 | 25.04 | 264 | 195916 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.46 | 96 | 1341 | 2.66 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.25 | 99 | 42076 | 17.13 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.41 | 67 | 28813 | 19.66 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.62 | 132 | 35599 | 19.93 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.80 | 113 | 37496 | 17.85 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.26 | 128 | 20898 | 24.12 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.99 | 143 | 23011 | 23.87 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.55 | 165 | 41163 | 21.08 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4 | 11.05 | 131 | 56746 | 25.87 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.14 | 166 | 133682 | 19.04 | ng/ul | 0.02 |
| 47) Acenaphthylene-d8 | 14.43 | 160 | 156848 | 19.20 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.95 | 143 | 21381 | 16.98 | ng/ul | 0.02 |
| 58) Fluorene-d10 | 15.72 | 176 | 119030 | 18.69 | ng/ul | 0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0d | 0.00 | ng/ul | |
| 71) Anthracene-d10 | 17.64 | 188 | 168041 | 23.09 | ng/ul | 0.07 |
| 79) Pyrene-d10 | 19.88 | 212 | 215520 | 22.56 | ng/ul | 0.03 |
| 90) Benzo(a)pyrene-d12 | 24.81 | 264 | 241355 | 24.70 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 7.28 | 94 | 6041 | 2.30 | ng/ul# | 90 |
| 11) 2-Methylphenol | 8.54 | 108 | 7459 | 3.72 | ng/ul | 98 |
| 14) Acetophenone | 8.92 | 105 | 4444 | 1.35 | ng/ul | 96 |
| 16) 4-Methylphenol | 8.87 | 108 | 12333 | 5.55 | ng/ul | 98 |
| 24) 2,4-Dimethylphenol | 10.08 | 107 | 22433m | 9.56 | ng/ul | |
| 28) Naphthalene | 11.04 | 128 | 8032617 | 1383.94 | ng/ul# | 47 |
| 34) 2-Methylnaphthalene | 12.60 | 142 | 3615549 | 815.51 | ng/ul | 98 |
| 41) 1,1'-Biphenyl | 13.57 | 154 | 1633125 | 249.43 | ng/ul | 94 |
| 45) Dimethylphthalate | 14.19 | 163 | 57750 | 8.05 | ng/ul | 99 |
| 48) Acenaphthylene | 14.46 | 152 | 524642 | 60.46 | ng/ul# | 92 |
| 50) Acenaphthene | 14.85 | 153 | 5199037 | 890.53 | ng/ul# | 83 |
| 54) Dibenzofuran | 15.17 | 168 | 4751413 | 547.10 | ng/ul# | 56 |
| 59) Fluorene | 15.83 | 166 | 4830960 | 692.70 | ng/ul# | 96 |
| 70) Phenanthrene | 17.62 | 178 | 11226759m | 1299.30 | ng/ul | |
| 72) Anthracene | 17.67 | 178 | 1952874m | 222.83 | ng/ul | |
| 75) Carbazole | 17.90 | 167 | 1481506 | 201.19 | ng/ul# | 91 |
| 77) Fluoranthene | 19.60 | 202 | 8136595m | 805.73 | ng/ul | |
| 80) Pyrene | 19.95 | 202 | 6435167 | 518.64 | ng/ul# | 34 |
| 83) Benzo(a)anthracene | 21.76 | 228 | 2832451 | 236.79 | ng/ul# | 77 |
| 85) Chrysene | 21.83 | 228 | 2433546 | 216.01 | ng/ul# | 78 |
| 88) Benzo(b)fluoranthene | 24.02 | 252 | 1598858 | 135.59 | ng/ul | 95 |
| 89) Benzo(k)fluoranthene | 24.07 | 252 | 507486 | 44.85 | ng/ul | 96 |
| 91) Benzo(a)pyrene | 24.90 | 252 | 918800 | 82.20 | ng/ul | 96 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 92) Indeno(1,2,3-cd)pyrene | 28.77 | 276 | 269243m | 20.23 | ng/ul | |
| 93) Dibenzo(a,h)anthracene | 28.81 | 278 | 75152 | 6.80 | ng/ul | 94 |
| 94) Benzo(g,h,i)perylene | 29.94 | 276 | 185151 | 16.97 | ng/ul | 98 |

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

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