Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
Data File : BE091811.D
Acq On : 19 May 2016 15:44
Operator : UM/SJ
Sample : PB90668BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
PB90668BS

**Manual Integrations APPROVED**
sohil
5/20/2016 7:24:30 PM

Quant Time: May 20 04:58:38 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 15:36:49 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.78 | 152 | 23473 | 5.00 | ng | | -0.02 |
| 7) Naphthalene-d8 | 10.55 | 136 | 114371 | 5.00 | ng | | -0.02 |
| 13) Acenaphthene-d10 | 14.40 | 164 | 75713 | 5.00 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 17.14 | 188 | 203899 | 5.00 | ng | | -0.01 |
| 26) Chrysene-d12 | 21.29 | 240 | 290570 | 5.00 | ng | | -0.02 |
| 35) Perylene-d12 | 23.73 | 264 | 243892 | 5.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.39 | 112 | 39507 | 6.44 | ng | | 0.00 |
| 5) Phenol-d6 | 6.95 | 99 | 59982 | 6.94 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.93 | 82 | 28340 | 3.74 | ng | | -0.01 |
| 14) 2,4,6-Tribromophenol | 15.89 | 330 | 25032 | 8.52 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 13.02 | 172 | 81706 | 3.81 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.74 | 244 | 166834 | 4.06 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.33 | 88 | 9473 | 3.69 | ng | # | 90 |
| 3) n-Nitrosodimethylamine | 3.63 | 42 | 13655 | 3.64 | ng | | 98 |
| 6) bis(2-Chloroethyl)ether | 7.21 | 93 | 25568 | 3.69 | ng | # | 77 |
| 9) Nitrobenzene | 8.98 | 77 | 30190 | 3.87 | ng | | 94 |
| 10) Naphthalene | 10.61 | 128 | 92283 | 3.65 | ng | | 98 |
| 11) Hexachlorobutadiene | 10.90 | 225 | 15606 | 4.16 | ng | | 97 |
| 12) 2-Methylnaphthalene | 12.21 | 142 | 67442 | 3.96 | ng | | 94 |
| 16) Acenaphthylene | 14.12 | 152 | 127148 | 3.77 | ng | # | 86 |
| 17) Acenaphthene | 14.46 | 154 | 74959 | 3.69 | ng | | 90 |
| 18) Fluorene | 15.45 | 166 | 103920 | 3.95 | ng | | 98 |
| 20) 4-Bromophenyl-phenylether | 16.33 | 248 | 30531 | 4.00 | ng | | 93 |
| 21) Hexachlorobenzene | 16.45 | 284 | 32630 | 4.11 | ng | | 98 |
| 22) Pentachlorophenol | 16.78 | 266 | 37895 | 11.55 | ng | # | 83 |
| 23) Phenanthrene | 17.17 | 178 | 219882 | 5.50 | ng | | 97 |
| 24) Anthracene | 17.26 | 178 | 189001 | 4.26 | ng | | 98 |
| 25) Fluoranthene | 19.19 | 202 | 239996 | 4.43 | ng | | 97 |
| 27) Benzidine | 19.36 | 184 | 101953 | 3.97 | ng | # | 75 |
| 28) Pyrene | 19.55 | 202 | 258223 | 4.05 | ng | | 99 |
| 30) Benzo(a)anthracene | 21.27 | 228 | 285392m | 4.07 | ng | | |
| 31) 3,3'-Dichlorobenzidine | 21.22 | 252 | 68825 | 1.54 | ng | # | 84 |
| 32) Chrysene | 21.34 | 228 | 233620m | 3.89 | ng | | |
| 33) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 128860 | 3.31 | ng | # | 79 |
| 34) Indeno(1,2,3-cd)pyrene | 26.27 | 276 | 278914 | 3.88 | ng | | 95 |
| 36) Benzo(b)fluoranthene | 22.97 | 252 | 253161 | 4.15 | ng | # | 96 |
| 37) Benzo(k)fluoranthene | 23.02 | 252 | 264107m | 4.23 | ng | | |
| 38) Benzo(a)pyrene | 23.61 | 252 | 243039 | 4.17 | ng | # | 96 |
| 39) Dibenzo(a,h)anthracene | 26.29 | 278 | 234008 | 4.11 | ng | # | 95 |
| 40) Benzo(g,h,i)perylene | 27.06 | 276 | 234752 | 4.00 | ng | | 95 |

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

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