Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092316\
Data File : BE092419.D
Acq On : 23 Sep 2016 17:21
Operator : UM/SJ
Sample : H4818-01
Misc : LOD
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
LOD-SOIL2016-01-QT4

**Manual Integrations APPROVED**
sohil
9/26/2016 5:55:45 PM

Quant Time: Sep 23 18:50:25 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.16 | 152 | 8462 | 5.00 | ng | | -0.02 |
| 7) Naphthalene-d8 | 10.95 | 136 | 34590 | 5.00 | ng | | 0.00 |
| 12) Acenaphthene-d10 | 14.81 | 164 | 23351 | 5.00 | ng | | 0.00 |
| 18) Phenanthrene-d10 | 17.58 | 188 | 45197 | 5.00 | ng | | 0.02 |
| 24) Chrysene-d12 | 21.75 | 240 | 65545 | 5.00 | ng | | 0.00 |
| 31) Perylene-d12 | 24.12 | 264 | 60241 | 5.00 | ng | | 0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.67 | 112 | 16707 | 8.36 | ng | | -0.02 |
| 5) Phenol-d6 | 7.34 | 99 | 20567 | 7.23 | ng | | -0.02 |
| 8) Nitrobenzene-d5 | 9.34 | 82 | 8539 | 3.48 | ng | | -0.02 |
| 13) 2,4,6-Tribromophenol | 16.32 | 330 | 4339 | 5.30 | ng | | 0.00 |
| 14) 2-Fluorobiphenyl | 13.44 | 172 | 22195 | 4.01 | ng | | 0.00 |
| 26) Terphenyl-d14 | 20.19 | 244 | 30181 | 3.71 | ng | | 0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.42 | 88 | 108 | 0.00 | ng | # | 43 |
| 3) n-Nitrosodimethylamine | 3.81 | 42 | 12 | 0.20 | ng | # | 2 |
| 6) bis(2-Chloroethyl)ether | 7.59 | 93 | 142 | 0.15 | ng | # | 71 |
| 9) Naphthalene | 11.01 | 128 | 655 | 0.09 | ng | # | 68 |
| 10) Hexachlorobutadiene | 11.30 | 225 | 104 | 0.09 | ng | | 99 |
| 11) 2-Methylnaphthalene | 12.66 | 142 | 388 | 0.08 | ng | # | 91 |
| 15) Acenaphthylene | 14.54 | 152 | 2776 | 0.08 | ng | | 99 |
| 16) Acenaphthene | 14.88 | 154 | 435 | 0.08 | ng | | 86 |
| 17) Fluorene | 15.88 | 166 | 529 | 0.08 | ng | | 98 |
| 19) Hexachlorobenzene | 16.89 | 284 | 174 | 0.09 | ng | | 96 |
| 20) Pentachlorophenol | 17.33 | 266 | 23 | 0.21 | ng | # | 74 |
| 21) Phenanthrene | 17.63 | 178 | 994 | 0.10 | ng | | 98 |
| 22) Anthracene | 17.74 | 178 | 716 | 0.07 | ng | | 99 |
| 23) Fluoranthene | 19.63 | 202 | 4860 | 0.10 | ng | | 99 |
| 25) Pyrene | 19.99 | 202 | 4255 | 0.07 | ng | | 98 |
| 27) Benzo(a)anthracene | 21.72 | 228 | 5344m | 0.08 | ng | | |
| 28) Chrysene | 21.79 | 228 | 6385m | 0.11 | ng | | |
| 29) Bis(2-ethylhexyl)phthalate | 21.66 | 149 | 418 | 0.08 | ng | # | 80 |
| 30) Indeno(1,2,3-cd)pyrene | 26.67 | 276 | 5496m | 0.09 | ng | | |
| 32) Benzo(b)fluoranthene | 23.39 | 252 | 1153 | 0.08 | ng | # | 82 |
| 33) Benzo(k)fluoranthene | 23.44 | 252 | 1356 | 0.09 | ng | # | 82 |
| 34) Benzo(a)pyrene | 24.02 | 252 | 1182 | 0.08 | ng | # | 75 |
| 35) Dibenzo(a,h)anthracene | 26.68 | 278 | 896 | 0.07 | ng | # | 62 |
| 36) Benzo(g,h,i)perylene | 27.43 | 276 | 4711 | 0.08 | ng | # | 77 |

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

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