Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042022\
Data File : BN019501.D
Acq On : 19 Apr 2022 18:25
Operator : CG/JU
Sample : PB144158BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
PB144158BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022

Quant Time: Apr 20 04:05:40 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.812 | 152 | 6650 | 0.400 | ng | | -0.01 |
| 7) Naphthalene-d8 | 10.613 | 136 | 19173 | 0.400 | ng | | #-0.01 |
| 13) Acenaphthene-d10 | 14.450 | 164 | 11835 | 0.400 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 17.192 | 188 | 22811 | 0.400 | ng | | -0.01 |
| 29) Chrysene-d12 | 21.395 | 240 | 14097 | 0.400 | ng | | # 0.00 |
| 35) Perylene-d12 | 23.743 | 264 | 11082 | 0.400 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 4) 2-Fluorophenol | 5.371 | 112 | 5331 | 0.299 | ng | | -0.01 |
| 5) Phenol-d6 | 6.982 | 99 | 5449 | 0.254 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.980 | 82 | 4310 | 0.247 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.213 | 152 | 11623 | 0.345 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.951 | 330 | 1449 | 0.202 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 13.082 | 172 | 17321 | 0.352 | ng | | -0.01 |
| 27) Fluoranthene-d10 | 19.231 | 212 | 22808 | 0.310 | ng | | 0.00 |
| 31) Terphenyl-d14 | 19.834 | 244 | 12776 | 0.417 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.212 | 88 | 3024m | 0.380 | ng | | |
| 3) n-Nitrosodimethylamine | 3.551 | 42 | 2947 | 0.280 | ng | | 98 |
| 6) bis(2-Chloroethyl)ether | 7.234 | 93 | 7354 | 0.341 | ng | | 97 |
| 9) Naphthalene | 10.667 | 128 | 20479 | 0.362 | ng | | 100 |
| 10) Hexachlorobutadiene | 10.955 | 225 | 4667 | 0.379 | ng | # | 100 |
| 12) 2-Methylnaphthalene | 12.285 | 142 | 13449 | 0.343 | ng | | 97 |
| 16) Acenaphthylene | 14.172 | 152 | 17879 | 0.304 | ng | | 100 |
| 17) Acenaphthene | 14.514 | 154 | 13706 | 0.351 | ng | | 99 |
| 18) Fluorene | 15.508 | 166 | 16958 | 0.329 | ng | | 100 |
| 20) 4,6-Dinitro-2-methylph... | 15.605 | 198 | 435 | 0.104 | ng | # | 64 |
| 21) 4-Bromophenyl-phenylether | 16.392 | 248 | 5165 | 0.336 | ng | # | 92 |
| 22) Hexachlorobenzene | 16.515 | 284 | 6924 | 0.385 | ng | | 99 |
| 23) Atrazine | 16.659 | 200 | 2970 | 0.234 | ng | | 98 |
| 24) Pentachlorophenol | 16.864 | 266 | 1046 | 0.150 | ng | | 97 |
| 25) Phenanthrene | 17.233 | 178 | 26046 | 0.340 | ng | | 100 |
| 26) Anthracene | 17.336 | 178 | 18814 | 0.280 | ng | | 100 |
| 28) Fluoranthene | 19.261 | 202 | 27839 | 0.307 | ng | | 100 |
| 30) Pyrene | 19.627 | 202 | 27958 | 0.426 | ng | | 99 |
| 32) Benzo(a)anthracene | 21.377 | 228 | 13948 | 0.268 | ng | | 99 |
| 33) Chrysene | 21.431 | 228 | 20093 | 0.347 | ng | | 99 |
| 34) Bis(2-ethylhexyl)phtha... | 21.296 | 149 | 8905 | 0.230 | ng | # | 99 |
| 36) Indeno(1,2,3-cd)pyrene | 26.178 | 276 | 12566 | 0.271 | ng | # | 83 |
| 37) Benzo(b)fluoranthene | 23.030 | 252 | 14670 | 0.338 | ng | | 97 |
| 38) Benzo(k)fluoranthene | 23.076 | 252 | 14889 | 0.328 | ng | | 98 |
| 39) Benzo(a)pyrene | 23.641 | 252 | 13233 | 0.339 | ng | # | 85 |
| 40) Dibenzo(a,h)anthracene | 26.193 | 278 | 8804 | 0.245 | ng | # | 91 |
| 41) Benzo(g,h,i)perylene | 26.912 | 276 | 14220 | 0.331 | ng | | 99 |

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

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