Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121421\
Data File : BN017998.D
Acq On : 14 Dec 2021 11:40
Operator : CG/JU
Sample : M4923-22MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
RE105D1-20211202MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 12/15/2021
Supervised By :Jagrut Upadhyay 12/15/2021

Quant Time: Dec 15 02:19:12 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 14 01:08:04 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.689 | 152 | 29097 | 0.400 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.470 | 136 | 121007 | 0.400 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.320 | 164 | 72647 | 0.400 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.066 | 188 | 149561 | 0.400 | ng | # | 0.00 |
| 29) Chrysene-d12 | 21.270 | 240 | 149555 | 0.400 | ng | # | 0.00 |
| 35) Perylene-d12 | 23.543 | 264 | 139671 | 0.400 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 4) 2-Fluorophenol | 5.319 | 112 | 1902169 | 30.155 | ng | | 0.03 |
| 5) Phenol-d6 | 6.886 | 99 | 1349898 | 21.345 | ng | | 0.02 |
| 8) Nitrobenzene-d5 | 8.835 | 82 | 3992883 | 46.502 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.065 | 152 | 54621 | 0.272 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.817 | 330 | 2720706 | 59.420 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 12.949 | 172 | 8231692 | 32.517 | ng | | 0.00 |
| 27) Fluoranthene-d10 | 19.103 | 212 | 178217 | 0.357 | ng | | 0.00 |
| 31) Terphenyl-d14 | 19.718 | 244 | 9457838 | 30.344 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.263 | 88 | 89777m | 4.951 | ng | | |
| 3) n-Nitrosodimethylamine | 3.585 | 42 | 3690 | 0.136 | ng | | 98 |
| 6) bis(2-Chloroethyl)ether | 7.117 | 93 | 28427 | 0.381 | ng | | 100 |
| 9) Naphthalene | 10.521 | 128 | 104136 | 0.343 | ng | | 100 |
| 10) Hexachlorobutadiene | 10.812 | 225 | 26558 | 0.318 | ng | # | 100 |
| 12) 2-Methylnaphthalene | 12.136 | 142 | 69742 | 0.368 | ng | | 99 |
| 16) Acenaphthylene | 14.028 | 152 | 100552 | 0.335 | ng | | 100 |
| 17) Acenaphthene | 14.383 | 154 | 65645 | 0.343 | ng | | 99 |
| 18) Fluorene | 15.373 | 166 | 87849 | 0.375 | ng | | 100 |
| 20) 4,6-Dinitro-2-methylph... | 15.461 | 198 | 3147 | 0.388 | ng | | 95 |
| 21) 4-Bromophenyl-phenylether | 16.263 | 248 | 35255 | 0.389 | ng | # | 85 |
| 22) Hexachlorobenzene | 16.373 | 284 | 39869 | 0.369 | ng | | 99 |
| 23) Atrazine | 16.543 | 200 | 26520 | 0.421 | ng | | 94 |
| 24) Pentachlorophenol | 16.726 | 266 | 27692 | 1.108 | ng | | 99 |
| 25) Phenanthrene | 17.103 | 178 | 163756m | 0.430 | ng | | |
| 26) Anthracene | 17.200 | 178 | 147018 | 0.428 | ng | | 99 |
| 28) Fluoranthene | 19.133 | 202 | 222741 | 0.469 | ng | | 100 |
| 30) Pyrene | 19.495 | 202 | 227375 | 0.463 | ng | | 100 |
| 32) Benzo(a)anthracene | 21.249 | 228 | 203308 | 0.452 | ng | | 99 |
| 33) Chrysene | 21.302 | 228 | 203503 | 0.424 | ng | | 99 |
| 34) Bis(2-ethylhexyl)phtha... | 21.196 | 149 | 124229 | 0.562 | ng | | 100 |
| 36) Indeno(1,2,3-cd)pyrene | 25.881 | 276 | 201261 | 0.430 | ng | | 100 |
| 37) Benzo(b)fluoranthene | 22.855 | 252 | 202350 | 0.488 | ng | | 100 |
| 38) Benzo(k)fluoranthene | 22.899 | 252 | 190314 | 0.470 | ng | | 99 |
| 39) Benzo(a)pyrene | 23.444 | 252 | 186200 | 0.441 | ng | | 100 |
| 40) Dibenzo(a,h)anthracene | 25.901 | 278 | 147003 | 0.403 | ng | | 99 |
| 41) Benzo(g,h,i)perylene | 26.593 | 276 | 190375 | 0.435 | ng | | 100 |

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

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