Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070720\
Data File : BN011110.D
Acq On : 07 Jul 2020 10:13
Operator : CG/JU
Sample : L1955-06
Misc : MDL-SOIL-06
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** MDL-SOIL-06

Quant Time: Jul 07 13:25:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 07 10:47:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.51 | 152 | 1567 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.27 | 136 | 4714 | 0.40 | ng | | 0.01 |
| 13) Acenaphthene-d10 | 14.13 | 164 | 2501 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 16.90 | 188 | 5160 | 0.40 | ng | | 0.01 |
| 29) Chrysene-d12 | 21.11 | 240 | 4292 | 0.40 | ng | | 0.01 |
| 36) Perylene-d12 | 23.25 | 264 | 4238 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.17 | 112 | 1258 | 0.32 | ng | | 0.00 |
| 5) Phenol-d6 | 6.72 | 99 | 1278 | 0.29 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.67 | 82 | 1354 | 0.34 | ng | | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.87 | 152 | 2524 | 0.31 | ng | | 0.02 |
| 14) 2,4,6-Tribromophenol | 15.67 | 330 | 319 | 0.30 | ng | | 0.03 |
| 15) 2-Fluorobiphenyl | 12.76 | 172 | 3812 | 0.32 | ng | | 0.01 |
| 27) Fluoranthene-d10 | 18.94 | 212 | 5044 | 0.32 | ng | | 0.00 |
| 31) Terphenyl-d14 | 19.56 | 244 | 3979 | 0.36 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.24 | 88 | 201 | 0.091 | ng | # | 80 |
| 3) n-Nitrosodimethylamine | 3.60 | 42 | 39 | 0.035 | ng | # | 57 |
| 6) bis(2-Chloroethyl)ether | 6.97 | 93 | 298 | 0.073 | ng | # | 86 |
| 9) Naphthalene | 10.32 | 128 | 1062 | 0.075 | ng | # | 80 |
| 10) Hexachlorobutadiene | 10.60 | 225 | 268 | 0.075 | ng | # | 97 |
| 12) 2-Methylnaphthalene | 11.95 | 142 | 639 | 0.068 | ng | # | 91 |
| 16) Acenaphthylene | 13.85 | 152 | 860 | 0.069 | ng | | 99 |
| 17) Acenaphthene | 14.20 | 154 | 604 | 0.071 | ng | | 98 |
| 18) Fluorene | 15.21 | 166 | 699 | 0.066 | ng | | 99 |
| 20) 4,6-Dinitro-2-methylphenol | 15.38 | 198 | 28 | 0.051 | ng | # | 50 |
| 21) 4-Bromophenyl-phenylether | 16.12 | 248 | 188 | 0.055 | ng | | 93 |
| 22) Hexachlorobenzene | 16.20 | 284 | 278 | 0.069 | ng | | 95 |
| 23) Atrazine | 16.40 | 200 | 182 | 0.075 | ng | # | 64 |
| 24) Pentachlorophenol | 16.57 | 266 | 160 | 0.147 | ng | | 89 |
| 25) Phenanthrene | 16.93 | 178 | 1087 | 0.065 | ng | | 97 |
| 26) Anthracene | 17.04 | 178 | 835 | 0.060 | ng | | 99 |
| 28) Fluoranthene | 18.97 | 202 | 1277 | 0.068 | ng | | 95 |
| 30) Pyrene | 19.33 | 202 | 1276 | 0.080 | ng | | 98 |
| 32) Benzo(a)anthracene | 21.10 | 228 | 955 | 0.067 | ng | # | 84 |
| 33) Chrysene | 21.15 | 228 | 1325 | 0.081 | ng | # | 92 |
| 34) Bis(2-ethylhexyl)phthalate | 21.05 | 149 | 637 | 0.110 | ng | # | 98 |
| 35) Indeno(1,2,3-cd)pyrene | 25.36 | 276 | 1115 | 0.065 | ng | # | 89 |
| 37) Benzo(b)fluoranthene | 22.62 | 252 | 1054 | 0.062 | ng | # | 46 |
| 38) Benzo(k)fluoranthene | 22.67 | 252 | 1301 | 0.072 | ng | # | 45 |
| 39) Benzo(a)pyrene | 23.17 | 252 | 923 | 0.063 | ng | # | 23 |
| 40) Dibenzo(a,h)anthracene | 25.39 | 278 | 923 | 0.062 | ng | # | 14 |
| 41) Benzo(g,h,i)perylene | 25.98 | 276 | 1232 | 0.075 | ng | # | 78 |

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

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