Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013124\
Data File : BN029453.D
Acq On : 31 Jan 2024 17:34
Operator : MA/JU
Sample : 03572-03
Misc : MDL-MDL-SOIL-0.2NG
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 01 01:40:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 30 03:38:24 2024
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-SOIL-03-QT3-2023

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.898 | 152 | 3444 | 0.400 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.690 | 136 | 9080 | 0.400 | ng | | #-0.01 |
| 13) Acenaphthene-d10 | 14.532 | 164 | 4078 | 0.400 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 17.280 | 188 | 7626 | 0.400 | ng | | #-0.01 |
| 29) Chrysene-d12 | 21.492 | 240 | 4783 | 0.400 | ng | | # 0.00 |
| 35) Perylene-d12 | 23.870 | 264 | 4613 | 0.400 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.464 | 112 | 2931 | 0.354 | ng | | 0.00 |
| 5) Phenol-d6 | 7.060 | 99 | 3422 | 0.358 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 9.057 | 82 | 2562 | 0.339 | ng | | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.287 | 152 | 6644 | 0.537 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 16.027 | 330 | 432 | 0.330 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 13.164 | 172 | 6029 | 0.344 | ng | | -0.01 |
| 27) Fluoranthene-d10 | 19.322 | 212 | 10059 | 0.545 | ng | | 0.00 |
| 31) Terphenyl-d14 | 19.931 | 244 | 4074 | 0.343 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.377 | 88 | 898 | 0.185 | ng | | 95 |
| 3) n-Nitrosodimethylamine | 3.716 | 42 | 621 | 0.157 | ng | | 98 |
| 6) bis(2-Chloroethyl)ether | 7.334 | 93 | 1684 | 0.185 | ng | | 99 |
| 9) Naphthalene | 10.744 | 128 | 4984 | 0.193 | ng | | 97 |
| 10) Hexachlorobutadiene | 11.021 | 225 | 938 | 0.191 | ng | # | 100 |
| 12) 2-Methylnaphthalene | 12.359 | 142 | 2827 | 0.186 | ng | | 98 |
| 16) Acenaphthylene | 14.254 | 152 | 3836 | 0.198 | ng | | 100 |
| 17) Acenaphthene | 14.597 | 154 | 2384 | 0.183 | ng | | 97 |
| 18) Fluorene | 15.580 | 166 | 2994 | 0.184 | ng | | 99 |
| 20) 4,6-Dinitro-2-methylph... | 15.667 | 198 | 176 | 0.157 | ng | # | 62 |
| 21) 4-Bromophenyl-phenylether | 16.486 | 248 | 813 | 0.179 | ng | # | 83 |
| 22) Hexachlorobenzene | 16.585 | 284 | 1046 | 0.188 | ng | | 100 |
| 23) Atrazine | 16.759 | 200 | 629 | 0.195 | ng | # | 92 |
| 24) Pentachlorophenol | 16.933 | 266 | 217 | 0.123 | ng | # | 87 |
| 25) Phenanthrene | 17.330 | 178 | 4256 | 0.189 | ng | | 98 |
| 26) Anthracene | 17.417 | 178 | 3578 | 0.186 | ng | | 99 |
| 28) Fluoranthene | 19.355 | 202 | 4302 | 0.170 | ng | | 99 |
| 30) Pyrene | 19.717 | 202 | 4393 | 0.200 | ng | | 99 |
| 32) Benzo(a)anthracene | 21.474 | 228 | 3005 | 0.184 | ng | | 99 |
| 33) Chrysene | 21.528 | 228 | 3581 | 0.193 | ng | | 98 |
| 34) Bis(2-ethylhexyl)phtha... | 21.420 | 149 | 2191 | 0.197 | ng | | 98 |
| 36) Indeno(1,2,3-cd)pyrene | 26.344 | 276 | 3207 | 0.173 | ng | # | 86 |
| 37) Benzo(b)fluoranthene | 23.148 | 252 | 2952 | 0.179 | ng | # | 84 |
| 38) Benzo(k)fluoranthene | 23.198 | 252 | 3170m | 0.184 | ng | | |
| 39) Benzo(a)pyrene | 23.765 | 252 | 2563 | 0.178 | ng | # | 78 |
| 40) Dibenzo(a,h)anthracene | 26.367 | 278 | 2661m | 0.180 | ng | | |
| 41) Benzo(g,h,i)perylene | 27.086 | 276 | 3069 | 0.171 | ng | # | 89 |

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

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