Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013024\
Data File : BN029414.D
Acq On : 30 Jan 2024 14:46
Operator : MA/JU
Sample : 03572-02
Misc : LOQ-MDL-SOIL-0.2NG
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 30 18:17:24 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 :**
LOQ-SOIL-02-QT3-2023

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 01/31/2024
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 | 3783 | 0.400 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.701 | 136 | 10046 | 0.400 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.532 | 164 | 4456 | 0.400 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 17.293 | 188 | 8830 | 0.400 | ng | | 0.00 |
| 29) Chrysene-d12 | 21.492 | 240 | 6043 | 0.400 | ng | | # 0.00 |
| 35) Perylene-d12 | 23.879 | 264 | 6291 | 0.400 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.464 | 112 | 3265 | 0.359 | ng | | 0.00 |
| 5) Phenol-d6 | 7.060 | 99 | 3832 | 0.365 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 9.067 | 82 | 2883 | 0.345 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.291 | 152 | 7090 | 0.518 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 16.026 | 330 | 470 | 0.329 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 13.164 | 172 | 6587 | 0.344 | ng | | -0.01 |
| 27) Fluoranthene-d10 | 19.327 | 212 | 12080 | 0.565 | ng | | 0.00 |
| 31) Terphenyl-d14 | 19.935 | 244 | 4997 | 0.333 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.377 | 88 | 1133 | 0.213 | ng | | 98 |
| 3) n-Nitrosodimethylamine | 3.716 | 42 | 728 | 0.168 | ng | | 99 |
| 6) bis(2-Chloroethyl)ether | 7.334 | 93 | 1699 | 0.170 | ng | | 96 |
| 9) Naphthalene | 10.744 | 128 | 5114 | 0.179 | ng | | 98 |
| 10) Hexachlorobutadiene | 11.021 | 225 | 961 | 0.177 | ng | # | 98 |
| 12) 2-Methylnaphthalene | 12.363 | 142 | 2825 | 0.168 | ng | | 97 |
| 16) Acenaphthylene | 14.254 | 152 | 3959 | 0.187 | ng | | 99 |
| 17) Acenaphthene | 14.596 | 154 | 2505 | 0.176 | ng | | 98 |
| 18) Fluorene | 15.580 | 166 | 3144 | 0.176 | ng | | 97 |
| 20) 4,6-Dinitro-2-methylph... | 15.667 | 198 | 270 | 0.208 | ng | # | 72 |
| 21) 4-Bromophenyl-phenylether | 16.486 | 248 | 909 | 0.173 | ng | | 91 |
| 22) Hexachlorobenzene | 16.585 | 284 | 1148 | 0.178 | ng | | 99 |
| 23) Atrazine | 16.759 | 200 | 677 | 0.181 | ng | # | 89 |
| 24) Pentachlorophenol | 16.933 | 266 | 357 | 0.175 | ng | | 98 |
| 25) Phenanthrene | 17.330 | 178 | 4665 | 0.179 | ng | | 99 |
| 26) Anthracene | 17.429 | 178 | 3709 | 0.167 | ng | | 97 |
| 28) Fluoranthene | 19.354 | 202 | 4913 | 0.167 | ng | | 100 |
| 30) Pyrene | 19.721 | 202 | 4937 | 0.177 | ng | | 99 |
| 32) Benzo(a)anthracene | 21.474 | 228 | 3448 | 0.167 | ng | | 99 |
| 33) Chrysene | 21.528 | 228 | 4172 | 0.178 | ng | | 99 |
| 34) Bis(2-ethylhexyl)phtha... | 21.429 | 149 | 2419 | 0.172 | ng | | 99 |
| 36) Indeno(1,2,3-cd)pyrene | 26.341 | 276 | 4140 | 0.164 | ng | # | 81 |
| 37) Benzo(b)fluoranthene | 23.154 | 252 | 3622 | 0.161 | ng | # | 89 |
| 38) Benzo(k)fluoranthene | 23.204 | 252 | 4055m | 0.172 | ng | | |
| 39) Benzo(a)pyrene | 23.771 | 252 | 3183 | 0.162 | ng | # | 83 |
| 40) Dibenzo(a,h)anthracene | 26.376 | 278 | 3221 | 0.160 | ng | # | 92 |
| 41) Benzo(g,h,i)perylene | 27.092 | 276 | 3989 | 0.163 | ng | | 95 |

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

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