Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013024\
Data File : BN029435.D
Acq On : 31 Jan 2024 05:09
Operator : MA/JU
Sample : P1187-01
Misc : LOD-MDL-SOIL-0.2NG
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT1-2024

Quant Time: Jan 31 05:43:20 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

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.898 | 152 | 3535 | 0.400 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.701 | 136 | 9424 | 0.400 | ng | 0.00 |
| 13) Acenaphthene-d10 | 14.532 | 164 | 4293 | 0.400 | ng | -0.01 |
| 19) Phenanthrene-d10 | 17.293 | 188 | 8564 | 0.400 | ng | 0.00 |
| 29) Chrysene-d12 | 21.492 | 240 | 5947 | 0.400 | ng | # 0.00 |
| 35) Perylene-d12 | 23.876 | 264 | 6198 | 0.400 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 2-Fluorophenol | 5.464 | 112 | 2945 | 0.347 | ng | 0.00 |
| 5) Phenol-d6 | 7.060 | 99 | 3489 | 0.356 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 9.067 | 82 | 2615 | 0.333 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.291 | 152 | 6681 | 0.521 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 16.027 | 330 | 462 | 0.335 | ng | -0.01 |
| 15) 2-Fluorobiphenyl | 13.164 | 172 | 6208 | 0.337 | ng | -0.01 |
| 27) Fluoranthene-d10 | 19.322 | 212 | 11789 | 0.568 | ng | 0.00 |
| 31) Terphenyl-d14 | 19.931 | 244 | 4920 | 0.333 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.377 | 88 | 923 | 0.185 | ng | # 95 |
| 3) n-Nitrosodimethylamine | 3.716 | 42 | 641 | 0.158 | ng | # 91 |
| 6) bis(2-Chloroethyl)ether | 7.334 | 93 | 1492 | 0.160 | ng | 96 |
| 9) Naphthalene | 10.744 | 128 | 4721 | 0.176 | ng | 97 |
| 10) Hexachlorobutadiene | 11.021 | 225 | 897 | 0.176 | ng | # 100 |
| 12) 2-Methylnaphthalene | 12.367 | 142 | 2696 | 0.171 | ng | 98 |
| 16) Acenaphthylene | 14.254 | 152 | 3779 | 0.185 | ng | 99 |
| 17) Acenaphthene | 14.597 | 154 | 2415 | 0.176 | ng | 99 |
| 18) Fluorene | 15.580 | 166 | 3000 | 0.175 | ng | 100 |
| 20) 4,6-Dinitro-2-methylph... | 15.667 | 198 | 238 | 0.189 | ng | # 71 |
| 21) 4-Bromophenyl-phenylether | 16.486 | 248 | 865 | 0.170 | ng | # 88 |
| 22) Hexachlorobenzene | 16.585 | 284 | 1099 | 0.176 | ng | 99 |
| 23) Atrazine | 16.759 | 200 | 656 | 0.181 | ng | # 89 |
| 24) Pentachlorophenol | 16.933 | 266 | 340 | 0.172 | ng | 100 |
| 25) Phenanthrene | 17.330 | 178 | 4492 | 0.177 | ng | 99 |
| 26) Anthracene | 17.417 | 178 | 3806 | 0.176 | ng | 98 |
| 28) Fluoranthene | 19.355 | 202 | 4724 | 0.166 | ng | 99 |
| 30) Pyrene | 19.717 | 202 | 4880 | 0.178 | ng | 99 |
| 32) Benzo(a)anthracene | 21.474 | 228 | 3465 | 0.171 | ng | 99 |
| 33) Chrysene | 21.528 | 228 | 4038 | 0.175 | ng | 99 |
| 34) Bis(2-ethylhexyl)phtha... | 21.420 | 149 | 2622 | 0.189 | ng | # 99 |
| 36) Indeno(1,2,3-cd)pyrene | 26.347 | 276 | 3985 | 0.160 | ng | # 86 |
| 37) Benzo(b)fluoranthene | 23.148 | 252 | 3533 | 0.159 | ng | # 87 |
| 38) Benzo(k)fluoranthene | 23.201 | 252 | 3608 | 0.155 | ng | # 77 |
| 39) Benzo(a)pyrene | 23.768 | 252 | 2954 | 0.153 | ng | # 82 |
| 40) Dibenzo(a,h)anthracene | 26.367 | 278 | 3044 | 0.153 | ng | # 88 |
| 41) Benzo(g,h,i)perylene | 27.092 | 276 | 3762 | 0.156 | ng | 94 |

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

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