Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071025\
Data File : BN037459.D
Acq On : 10 Jul 2025 15:42
Operator : RC/JU
Sample : Q2126-01
Misc : LOD-SOIL-0.1ng
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-03-QT2-2025

Quant Time: Jul 17 04:08:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 10 00:48:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.732 | 152 | 1817 | 0.400 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.509 | 136 | 4449 | 0.400 | ng | -0.01 |
| 13) Acenaphthene-d10 | 14.355 | 164 | 2130 | 0.400 | ng | -0.01 |
| 19) Phenanthrene-d10 | 17.099 | 188 | 3798 | 0.400 | ng | #-0.01 |
| 29) Chrysene-d12 | 21.286 | 240 | 2780 | 0.400 | ng | # 0.00 |
| 35) Perylene-d12 | 23.528 | 264 | 2835 | 0.400 | ng | #-0.02 |
| System Monitoring Compounds | | | | | | |
| 4) 2-Fluorophenol | 5.319 | 112 | 1166 | 0.238 | ng | 0.00 |
| 5) Phenol-d6 | 6.894 | 99 | 1426 | 0.237 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 8.865 | 82 | 932 | 0.311 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.106 | 152 | 2105 | 0.339 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol | 15.845 | 330 | 167 | 0.192 | ng | -0.01 |
| 15) 2-Fluorobiphenyl | 12.988 | 172 | 3511 | 0.299 | ng | -0.01 |
| 27) Fluoranthene-d10 | 19.132 | 212 | 3360 | 0.344 | ng | 0.00 |
| 31) Terphenyl-d14 | 19.740 | 244 | 1939 | 0.331 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.254 | 88 | 168 | 0.095 | ng | # 90 |
| 3) n-Nitrosodimethylamine | 3.564 | 42 | 191 | 0.092 | ng | # 90 |
| 6) bis(2-Chloroethyl)ether | 7.161 | 93 | 393 | 0.082 | ng | 93 |
| 9) Naphthalene | 10.562 | 128 | 1007 | 0.084 | ng | # 86 |
| 10) Hexachlorobutadiene | 10.872 | 225 | 252 | 0.104 | ng | # 100 |
| 12) 2-Methylnaphthalene | 12.182 | 142 | 562 | 0.073 | ng | 94 |
| 16) Acenaphthylene | 14.078 | 152 | 922 | 0.092 | ng | 99 |
| 17) Acenaphthene | 14.420 | 154 | 550 | 0.085 | ng | 93 |
| 18) Fluorene | 15.414 | 166 | 664 | 0.082 | ng | 99 |
| 20) 4,6-Dinitro-2-methylph... | 15.478 | 198 | 25 | 0.083 | ng | # 92 |
| 21) 4-Bromophenyl-phenylether | 16.304 | 248 | 198 | 0.080 | ng | # 85 |
| 22) Hexachlorobenzene | 16.416 | 284 | 290 | 0.097 | ng | 91 |
| 23) Atrazine | 16.565 | 200 | 87 | 0.066 | ng | # 65 |
| 24) Pentachlorophenol | 16.751 | 266 | 78 | 0.060 | ng | 90 |
| 25) Phenanthrene | 17.136 | 178 | 997 | 0.087 | ng | 98 |
| 26) Anthracene | 17.235 | 178 | 884 | 0.082 | ng | 98 |
| 28) Fluoranthene | 19.164 | 202 | 1007 | 0.078 | ng | 100 |
| 30) Pyrene | 19.527 | 202 | 982 | 0.086 | ng | 99 |
| 32) Benzo(a)anthracene | 21.268 | 228 | 811 | 0.082 | ng | 92 |
| 33) Chrysene | 21.322 | 228 | 886 | 0.088 | ng | # 95 |
| 34) Bis(2-ethylhexyl)phtha... | 21.232 | 149 | 275 | 0.125 | ng | # 95 |
| 36) Indeno(1,2,3-cd)pyrene | 25.803 | 276 | 809 | 0.076 | ng | 98 |
| 37) Benzo(b)fluoranthene | 22.856 | 252 | 788 | 0.076 | ng | # 72 |
| 38) Benzo(k)fluoranthene | 22.902 | 252 | 845 | 0.081 | ng | # 63 |
| 39) Benzo(a)pyrene | 23.429 | 252 | 686 | 0.080 | ng | # 61 |
| 40) Dibenzo(a,h)anthracene | 25.817 | 278 | 636 | 0.075 | ng | # 67 |
| 41) Benzo(g,h,i)perylene | 26.490 | 276 | 710 | 0.077 | ng | # 77 |

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

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