Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102023\
Data File : BN028338.D
Acq On : 20 Oct 2023 13:38
Operator : MA/JU
Sample : 04696-04
Misc : SFAM-SIM-MDL-SOIL-02
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 20 14:22:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN100323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 16:16:04 2023
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-SOIL-QT4-2023-08

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.887 | 152 | 4070 | 0.400 | ng/ul | | 0.00 |
| 4) Naphthalene-d8 | 10.718 | 136 | 13570 | 0.400 | ng/ul | | 0.00 |
| 9) Acenaphthene-d10 | 14.541 | 164 | 8356 | 0.400 | ng/ul | | 0.00 |
| 13) Phenanthrene-d10 | 17.308 | 188 | 18836 | 0.400 | ng/ul | | 0.00 |
| 17) Chrysene-d12 | 21.495 | 240 | 18437 | 0.400 | ng/ul | | 0.00 |
| 23) Perylene-d12 | 23.948 | 264 | 17228 | 0.400 | ng/ul | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.267 | 96 | 2125 | 0.416 | ng/ul | | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.313 | 152 | 7578 | 0.347 | ng/ul | | 0.01 |
| 18) Fluoranthene-d10 | 19.329 | 212 | 23284 | 0.398 | ng/ul | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.300 | 88 | 528m | 0.098 | ng/ul | | |
| 5) Naphthalene | 10.773 | 128 | 2614 | 0.068 | ng/ul | # | 87 |
| 7) 2-Methylnaphthalene | 12.390 | 142 | 1560 | 0.064 | ng/ul | | 95 |
| 8) 1-Methylnaphthalene | 12.599 | 142 | 1632 | 0.065 | ng/ul | | 97 |
| 10) Acenaphthylene | 14.277 | 152 | 2472 | 0.065 | ng/ul | # | 89 |
| 11) Acenaphthene | 14.606 | 153 | 2091 | 0.069 | ng/ul | | 98 |
| 12) Fluorene | 15.614 | 166 | 2325 | 0.069 | ng/ul | # | 97 |
| 14) Pentachlorophenol | 17.033 | 266 | 285m | 0.071 | ng/ul | | |
| 15) Phenanthrene | 17.350 | 178 | 3947 | 0.070 | ng/ul | | 94 |
| 16) Anthracene | 17.447 | 178 | 3312 | 0.066 | ng/ul | # | 92 |
| 19) Fluoranthene | 19.357 | 202 | 4914 | 0.070 | ng/ul | # | 93 |
| 20) Pyrene | 19.729 | 202 | 5170 | 0.071 | ng/ul | | 96 |
| 21) Benzo(a)anthracene | 21.481 | 228 | 4656 | 0.069 | ng/ul | | 97 |
| 22) Chrysene | 21.530 | 228 | 4821 | 0.071 | ng/ul | | 97 |
| 24) Benzo(b)fluoranthene | 23.191 | 252 | 4680 | 0.073 | ng/ul | | 69 |
| 25) Benzo(k)fluoranthene | 23.240 | 252 | 4730 | 0.074 | ng/ul | # | 70 |
| 26) Benzo(a)pyrene | 23.840 | 252 | 4222 | 0.078 | ng/ul | # | 58 |
| 27) Indeno(1,2,3-cd)pyrene | 26.529 | 276 | 4637 | 0.070 | ng/ul | # | 99 |
| 28) Dibenzo(a,h)anthracene | 26.542 | 278 | 3808 | 0.071 | ng/ul | # | 72 |
| 29) Benzo(g,h,i)perylene | 27.330 | 276 | 3930 | 0.073 | ng/ul | # | 81 |

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

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