Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053123\
Data File : BN025745.D
Acq On : 31 May 2023 18:45
Operator : CG/JU
Sample : 02213-03
Misc : MDL-MDL-SOIL-0.1ng
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 01 01:22:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN053123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 01:04:04 2023
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-SOIL-03-QT2-2023

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.012 | 152 | 5961 | 0.400 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.835 | 136 | 16996 | 0.400 | ng | 0.01 |
| 13) Acenaphthene-d10 | 14.641 | 164 | 10030 | 0.400 | ng | 0.00 |
| 19) Phenanthrene-d10 | 17.393 | 188 | 20119 | 0.400 | ng | # 0.01 |
| 29) Chrysene-d12 | 21.569 | 240 | 9752 | 0.400 | ng | # 0.00 |
| 35) Perylene-d12 | 24.043 | 264 | 8475 | 0.400 | ng | # 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.557 | 112 | 5443 | 0.325 | ng | 0.00 |
| 5) Phenol-d6 | 7.167 | 99 | 6463 | 0.314 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 9.191 | 82 | 4806 | 0.304 | ng | 0.02 |
| 11) 2-Methylnaphthalene-d10 | 12.415 | 152 | 11656 | 0.476 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 16.140 | 330 | 832 | 0.269 | ng | 0.00 |
| 15) 2-Fluorobiphenyl | 13.272 | 172 | 13989 | 0.330 | ng | 0.00 |
| 27) Fluoranthene-d10 | 19.416 | 212 | 19380 | 0.468 | ng | 0.00 |
| 31) Terphenyl-d14 | 20.002 | 244 | 9005 | 0.381 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.390 | 88 | 759 | 0.109 | ng | # 87 |
| 3) n-Nitrosodimethylamine | 3.758 | 42 | 724m | 0.081 | ng | |
| 6) bis(2-Chloroethyl)ether | 7.434 | 93 | 3020 | 0.162 | ng | # 71 |
| 9) Naphthalene | 10.878 | 128 | 5608 | 0.110 | ng | 95 |
| 10) Hexachlorobutadiene | 11.166 | 225 | 839 | 0.107 | ng | # 99 |
| 12) 2-Methylnaphthalene | 12.491 | 142 | 3185 | 0.099 | ng | 96 |
| 16) Acenaphthylene | 14.373 | 152 | 4457 | 0.092 | ng | 98 |
| 17) Acenaphthene | 14.705 | 154 | 3125 | 0.099 | ng | 100 |
| 18) Fluorene | 15.693 | 166 | 3981 | 0.098 | ng | 100 |
| 20) 4,6-Dinitro-2-methylph... | 15.804 | 198 | 151 | 0.042 | ng | # 1 |
| 21) 4-Bromophenyl-phenylether | 16.586 | 248 | 1101 | 0.095 | ng | 100 |
| 22) Hexachlorobenzene | 16.698 | 284 | 1096 | 0.110 | ng | 98 |
| 23) Atrazine | 16.847 | 200 | 951 | 0.100 | ng | 93 |
| 25) Phenanthrene | 17.430 | 178 | 6106 | 0.099 | ng | 100 |
| 26) Anthracene | 17.530 | 178 | 5066 | 0.090 | ng | 99 |
| 28) Fluoranthene | 19.444 | 202 | 5813 | 0.095 | ng | 98 |
| 30) Pyrene | 19.811 | 202 | 5877 | 0.106 | ng | 100 |
| 32) Benzo(a)anthracene | 21.560 | 228 | 3510 | 0.093 | ng | 97 |
| 33) Chrysene | 21.605 | 228 | 3947 | 0.099 | ng | 98 |
| 34) Bis(2-ethylhexyl)phtha... | 21.462 | 149 | 2389 | 0.107 | ng | # 99 |
| 36) Indeno(1,2,3-cd)pyrene | 26.642 | 276 | 3539m | 0.097 | ng | |
| 37) Benzo(b)fluoranthene | 23.291 | 252 | 3110 | 0.093 | ng | # 47 |
| 38) Benzo(k)fluoranthene | 23.341 | 252 | 3651m | 0.107 | ng | |
| 39) Benzo(a)pyrene | 23.937 | 252 | 2640 | 0.083 | ng | # 25 |
| 40) Dibenzo(a,h)anthracene | 26.668 | 278 | 2626 | 0.089 | ng | # 44 |
| 41) Benzo(g,h,i)perylene | 27.431 | 276 | 3265 | 0.099 | ng | # 86 |

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

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