Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080421\
Data File : BN015808.D
Acq On : 05 Aug 2021 01:47
Operator : CG/JU
Sample : M1458-01
Misc : LOD-MDL-SOIL 0.2ng
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
LOD-MDL-SOIL-01-QT1-2021

**Manual Integrations APPROVED**
mohammad
8/5/2021 5:08:19 PM

Quant Time: Aug 05 04:06:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN080221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 05 03:12:25 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.781 | 152 | 38783 | 0.400 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.559 | 136 | 173942 | 0.400 | ng | #-0.01 |
| 13) Acenaphthene-d10 | 14.408 | 164 | 84525 | 0.400 | ng | 0.00 |
| 19) Phenanthrene-d10 | 17.164 | 188 | 154572 | 0.400 | ng | # 0.00 |
| 29) Chrysene-d12 | 21.366 | 240 | 133758 | 0.400 | ng | # 0.00 |
| 35) Perylene-d12 | 23.704 | 264 | 126779 | 0.400 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.383 | 112 | 26055 | 0.275 | ng | 0.00 |
| 5) Phenol-d6 | 6.951 | 99 | 32375 | 0.283 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 8.924 | 82 | 37650 | 0.337 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.159 | 152 | 97406 | 0.373 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.906 | 330 | 6537 | 0.213 | ng | 0.00 |
| 15) 2-Fluorobiphenyl | 13.038 | 172 | 92924 | 0.276 | ng | 0.00 |
| 27) Fluoranthene-d10 | 19.202 | 212 | 144458 | 0.359 | ng | 0.00 |
| 31) Terphenyl-d14 | 19.808 | 244 | 87651 | 0.265 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.346 | 88 | 1237 | 0.099 | ng | # 84 |
| 3) n-Nitrosodimethylamine | 3.715 | 42 | 2558 | 0.099 | ng | # 80 |
| 6) bis(2-Chloroethyl)ether | 7.218 | 93 | 23705 | 0.228 | ng | 96 |
| 9) Naphthalene | 10.610 | 128 | 93050 | 0.204 | ng | 99 |
| 10) Hexachlorobutadiene | 10.914 | 225 | 16727 | 0.210 | ng | # 100 |
| 12) 2-Methylnaphthalene | 12.230 | 142 | 59464 | 0.203 | ng | 99 |
| 16) Acenaphthylene | 14.129 | 152 | 73254 | 0.210 | ng | 99 |
| 17) Acenaphthene | 14.472 | 154 | 48077 | 0.198 | ng | 98 |
| 18) Fluorene | 15.461 | 166 | 55944 | 0.192 | ng | 100 |
| 20) 4,6-Dinitro-2-methylph... | 15.538 | 198 | 472 | 0.050 | ng | # 56 |
| 21) 4-Bromophenyl-phenylether | 16.360 | 248 | 17845 | 0.196 | ng | # 85 |
| 22) Hexachlorobenzene | 16.470 | 284 | 24139 | 0.231 | ng | 98 |
| 23) Atrazine | 16.628 | 200 | 8145 | 0.146 | ng | 94 |
| 24) Pentachlorophenol | 16.811 | 266 | 4277 | 0.132 | ng | 99 |
| 25) Phenanthrene | 17.200 | 178 | 91413 | 0.199 | ng | 99 |
| 26) Anthracene | 17.298 | 178 | 72659 | 0.188 | ng | 100 |
| 28) Fluoranthene | 19.232 | 202 | 93532 | 0.195 | ng | 99 |
| 30) Pyrene | 19.594 | 202 | 86352 | 0.193 | ng | 100 |
| 32) Benzo(a)anthracene | 21.355 | 228 | 72877 | 0.178 | ng | 99 |
| 33) Chrysene | 21.397 | 228 | 84626 | 0.191 | ng | 98 |
| 34) Bis(2-ethylhexyl)phtha... | 21.291 | 149 | 21890 | 0.134 | ng | 99 |
| 36) Indeno(1,2,3-cd)pyrene | 26.103 | 276 | 74301 | 0.165 | ng | 98 |
| 37) Benzo(b)fluoranthene | 22.995 | 252 | 79785 | 0.181 | ng | 99 |
| 38) Benzo(k)fluoranthene | 23.043 | 252 | 92000m | 0.202 | ng | |
| 39) Benzo(a)pyrene | 23.601 | 252 | 63598 | 0.174 | ng | 99 |
| 40) Dibenzo(a,h)anthracene | 26.124 | 278 | 59204 | 0.157 | ng | # 93 |
| 41) Benzo(g,h,i)perylene | 26.829 | 276 | 64454 | 0.164 | ng | 99 |

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

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