Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110724\
Data File : BN034895.D
Acq On : 07 Nov 2024 16:17
Operator : RC/JU
Sample : P4368-08
Misc : LOQ-WATER-0.2 ng
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
LOQ-WATER-02-QT4-2024

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 16:51:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 15:02:36 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.575 | 152 | 4901 | 0.400 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.340 | 136 | 14321 | 0.400 | ng | 0.00 |
| 13) Acenaphthene-d10 | 14.208 | 164 | 6899 | 0.400 | ng | 0.00 |
| 19) Phenanthrene-d10 | 16.952 | 188 | 14131 | 0.400 | ng | # 0.00 |
| 29) Chrysene-d12 | 21.140 | 240 | 8914 | 0.400 | ng | #-0.01 |
| 35) Perylene-d12 | 23.315 | 264 | 7193 | 0.400 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 2-Fluorophenol | 5.199 | 112 | 4330 | 0.317 | ng | 0.00 |
| 5) Phenol-d6 | 6.752 | 99 | 5805 | 0.320 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 8.707 | 82 | 3997 | 0.358 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.935 | 152 | 11090 | 0.568 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.698 | 330 | 538 | 0.305 | ng | 0.00 |
| 15) 2-Fluorobiphenyl | 12.829 | 172 | 10190 | 0.350 | ng | 0.00 |
| 27) Fluoranthene-d10 | 18.990 | 212 | 19395 | 0.609 | ng | 0.00 |
| 31) Terphenyl-d14 | 19.598 | 244 | 6320 | 0.378 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.184 | 88 | 1392m | 0.225 | ng | |
| 3) n-Nitrosodimethylamine | 3.487 | 42 | 1795 | 0.215 | ng | # 96 |
| 6) bis(2-Chloroethyl)ether | 7.012 | 93 | 3494 | 0.223 | ng | 100 |
| 9) Naphthalene | 10.383 | 128 | 8746 | 0.220 | ng | 98 |
| 10) Hexachlorobutadiene | 10.682 | 225 | 1354 | 0.214 | ng | # 98 |
| 12) 2-Methylnaphthalene | 12.011 | 142 | 5284 | 0.217 | ng | 99 |
| 16) Acenaphthylene | 13.919 | 152 | 7084 | 0.213 | ng | 99 |
| 17) Acenaphthene | 14.272 | 154 | 4699 | 0.204 | ng | 99 |
| 18) Fluorene | 15.255 | 166 | 5978 | 0.208 | ng | 100 |
| 20) 4,6-Dinitro-2-methylph... | 15.341 | 198 | 210 | 0.188 | ng | # 80 |
| 21) 4-Bromophenyl-phenylether | 16.157 | 248 | 1534 | 0.204 | ng | # 88 |
| 22) Hexachlorobenzene | 16.269 | 284 | 1968 | 0.217 | ng | 99 |
| 23) Atrazine | 16.430 | 200 | 1098 | 0.201 | ng | # 92 |
| 24) Pentachlorophenol | 16.604 | 266 | 326 | 0.181 | ng | 92 |
| 25) Phenanthrene | 16.989 | 178 | 9659 | 0.223 | ng | 99 |
| 26) Anthracene | 17.088 | 178 | 8283 | 0.222 | ng | 99 |
| 28) Fluoranthene | 19.017 | 202 | 9781 | 0.214 | ng | 99 |
| 30) Pyrene | 19.380 | 202 | 9606 | 0.213 | ng | 100 |
| 32) Benzo(a)anthracene | 21.131 | 228 | 7566 | 0.218 | ng | 100 |
| 33) Chrysene | 21.185 | 228 | 8245 | 0.224 | ng | 99 |
| 34) Bis(2-ethylhexyl)phtha... | 21.086 | 149 | 3848 | 0.193 | ng | # 100 |
| 36) Indeno(1,2,3-cd)pyrene | 25.473 | 276 | 6312 | 0.197 | ng | 99 |
| 37) Benzo(b)fluoranthene | 22.669 | 252 | 7409 | 0.234 | ng | # 92 |
| 38) Benzo(k)fluoranthene | 22.713 | 252 | 7308 | 0.222 | ng | 94 |
| 39) Benzo(a)pyrene | 23.219 | 252 | 5416 | 0.216 | ng | # 90 |
| 40) Dibenzo(a,h)anthracene | 25.485 | 278 | 4910 | 0.198 | ng | 96 |
| 41) Benzo(g,h,i)perylene | 26.125 | 276 | 5641 | 0.214 | ng | 96 |

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

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