Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013024\
Data File : BN029445.D
Acq On : 31 Jan 2024 11:45
Operator : MA/JU
Sample : P1187-08
Misc : LOQ-WATER-0.1NG
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
LOQ-WATER-02-QT1-2024

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024

Quant Time: Jan 31 15:26:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 30 03:38:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.898 | 152 | 3965 | 0.400 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.701 | 136 | 10438 | 0.400 | ng | | # 0.00 |
| 13) Acenaphthene-d10 | 14.533 | 164 | 4738 | 0.400 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 17.293 | 188 | 8749 | 0.400 | ng | | # 0.00 |
| 29) Chrysene-d12 | 21.492 | 240 | 5937 | 0.400 | ng | | # 0.00 |
| 35) Perylene-d12 | 23.873 | 264 | 6206 | 0.400 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 4) 2-Fluorophenol | 5.464 | 112 | 3294 | 0.346 | ng | | 0.00 |
| 5) Phenol-d6 | 7.060 | 99 | 4026 | 0.366 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 9.057 | 82 | 2993 | 0.344 | ng | | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.288 | 152 | 7509 | 0.528 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 16.027 | 330 | 516 | 0.339 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 13.164 | 172 | 6929 | 0.341 | ng | | -0.01 |
| 27) Fluoranthene-d10 | 19.322 | 212 | 12421 | 0.586 | ng | | 0.00 |
| 31) Terphenyl-d14 | 19.931 | 244 | 5000 | 0.339 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.377 | 88 | 679 | 0.122 | ng | | 95 |
| 3) n-Nitrosodimethylamine | 3.723 | 42 | 359 | 0.079 | ng | # | 99 |
| 6) bis(2-Chloroethyl)ether | 7.335 | 93 | 964 | 0.092 | ng | | 98 |
| 9) Naphthalene | 10.744 | 128 | 2863 | 0.096 | ng | | 95 |
| 10) Hexachlorobutadiene | 11.021 | 225 | 525 | 0.093 | ng | # | 99 |
| 12) 2-Methylnaphthalene | 12.363 | 142 | 1637 | 0.094 | ng | | 97 |
| 16) Acenaphthylene | 14.255 | 152 | 2165 | 0.096 | ng | | 98 |
| 17) Acenaphthene | 14.597 | 154 | 1413 | 0.094 | ng | | 99 |
| 18) Fluorene | 15.580 | 166 | 1749 | 0.092 | ng | | 99 |
| 20) 4,6-Dinitro-2-methylph... | 15.679 | 198 | 98 | 0.076 | ng | # | 18 |
| 21) 4-Bromophenyl-phenylether | 16.486 | 248 | 509 | 0.098 | ng | # | 86 |
| 22) Hexachlorobenzene | 16.585 | 284 | 596 | 0.093 | ng | | 97 |
| 23) Atrazine | 16.759 | 200 | 351 | 0.095 | ng | # | 83 |
| 24) Pentachlorophenol | 16.933 | 266 | 124 | 0.061 | ng | | 91 |
| 25) Phenanthrene | 17.330 | 178 | 2555 | 0.099 | ng | | 99 |
| 26) Anthracene | 17.417 | 178 | 2051 | 0.093 | ng | | 98 |
| 28) Fluoranthene | 19.355 | 202 | 2507 | 0.086 | ng | | 97 |
| 30) Pyrene | 19.717 | 202 | 2545 | 0.093 | ng | | 98 |
| 32) Benzo(a)anthracene | 21.474 | 228 | 1764 | 0.087 | ng | | 95 |
| 33) Chrysene | 21.528 | 228 | 2062 | 0.089 | ng | | 98 |
| 34) Bis(2-ethylhexyl)phtha... | 21.420 | 149 | 1507 | 0.109 | ng | | 95 |
| 36) Indeno(1,2,3-cd)pyrene | 26.335 | 276 | 1952 | 0.078 | ng | # | 70 |
| 37) Benzo(b)fluoranthene | 23.148 | 252 | 1749 | 0.079 | ng | # | 68 |
| 38) Benzo(k)fluoranthene | 23.198 | 252 | 1946m | 0.084 | ng | | |
| 39) Benzo(a)pyrene | 23.765 | 252 | 1613m | 0.083 | ng | | |
| 40) Dibenzo(a,h)anthracene | 26.373 | 278 | 1664m | 0.084 | ng | | |
| 41) Benzo(g,h,i)perylene | 27.089 | 276 | 1865 | 0.077 | ng | # | 84 |

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

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