Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013024\
Data File : BN029424.D
Acq On : 30 Jan 2024 22:33
Operator : MA/JU
Sample : 03572-08
Misc : LOQ-WATER-0.1NG
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
LOQ-WATER-02-QT3-2023

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 02/02/2024

Quant Time: Jan 31 02:34:06 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 | 3744 | 0.400 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.701 | 136 | 10024 | 0.400 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.532 | 164 | 4532 | 0.400 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 17.293 | 188 | 8899 | 0.400 | ng | | 0.00 |
| 29) Chrysene-d12 | 21.492 | 240 | 6137 | 0.400 | ng | | # 0.00 |
| 35) Perylene-d12 | 23.870 | 264 | 6593 | 0.400 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 4) 2-Fluorophenol | 5.471 | 112 | 3115 | 0.346 | ng | | 0.00 |
| 5) Phenol-d6 | 7.067 | 99 | 3766 | 0.363 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 9.067 | 82 | 2887 | 0.346 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.291 | 152 | 7256 | 0.532 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 16.039 | 330 | 470 | 0.323 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 13.164 | 172 | 6662 | 0.342 | ng | | -0.01 |
| 27) Fluoranthene-d10 | 19.322 | 212 | 12662 | 0.587 | ng | | 0.00 |
| 31) Terphenyl-d14 | 19.931 | 244 | 5125 | 0.336 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.377 | 88 | 709 | 0.135 | ng | | 95 |
| 3) n-Nitrosodimethylamine | 3.723 | 42 | 323 | 0.075 | ng | # | 88 |
| 6) bis(2-Chloroethyl)ether | 7.342 | 93 | 899 | 0.091 | ng | | 98 |
| 9) Naphthalene | 10.744 | 128 | 2821 | 0.099 | ng | # | 94 |
| 10) Hexachlorobutadiene | 11.021 | 225 | 505 | 0.093 | ng | # | 98 |
| 12) 2-Methylnaphthalene | 12.367 | 142 | 1580 | 0.094 | ng | | 95 |
| 16) Acenaphthylene | 14.254 | 152 | 2178 | 0.101 | ng | | 99 |
| 17) Acenaphthene | 14.597 | 154 | 1407 | 0.097 | ng | | 98 |
| 18) Fluorene | 15.592 | 166 | 1730 | 0.095 | ng | | 99 |
| 20) 4,6-Dinitro-2-methylph... | 15.679 | 198 | 82 | 0.063 | ng | # | 2 |
| 21) 4-Bromophenyl-phenylether | 16.486 | 248 | 500 | 0.094 | ng | | 94 |
| 22) Hexachlorobenzene | 16.585 | 284 | 635 | 0.098 | ng | | 97 |
| 23) Atrazine | 16.771 | 200 | 341 | 0.091 | ng | # | 84 |
| 24) Pentachlorophenol | 16.933 | 266 | 113 | 0.055 | ng | | 97 |
| 25) Phenanthrene | 17.330 | 178 | 2527 | 0.096 | ng | | 99 |
| 26) Anthracene | 17.429 | 178 | 2030 | 0.090 | ng | | 99 |
| 28) Fluoranthene | 19.355 | 202 | 2701 | 0.091 | ng | | 99 |
| 30) Pyrene | 19.717 | 202 | 2647 | 0.094 | ng | | 98 |
| 32) Benzo(a)anthracene | 21.474 | 228 | 1761 | 0.084 | ng | | 93 |
| 33) Chrysene | 21.528 | 228 | 2157 | 0.091 | ng | | 97 |
| 34) Bis(2-ethylhexyl)phtha... | 21.420 | 149 | 1565 | 0.110 | ng | # | 97 |
| 36) Indeno(1,2,3-cd)pyrene | 26.341 | 276 | 2036 | 0.077 | ng | # | 83 |
| 37) Benzo(b)fluoranthene | 23.148 | 252 | 1821 | 0.077 | ng | # | 72 |
| 38) Benzo(k)fluoranthene | 23.201 | 252 | 2036m | 0.082 | ng | | |
| 39) Benzo(a)pyrene | 23.765 | 252 | 1610m | 0.078 | ng | | |
| 40) Dibenzo(a,h)anthracene | 26.373 | 278 | 1656m | 0.078 | ng | | |
| 41) Benzo(g,h,i)perylene | 27.092 | 276 | 2012m | 0.078 | ng | | |

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

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