Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090624\
Data File : BN033778.D
Acq On : 06 Sep 2024 12:21
Operator : MA/JU
Sample : P2403-09
Misc : MDL-MDL-WATER-0.1ng
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-WATER-03-QT2-2024

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024

Quant Time: Sep 06 12:49:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 18:36:01 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.516 | 152 | 6687 | 0.400 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.271 | 136 | 17491 | 0.400 | ng | # | 0.00 |
| 13) Acenaphthene-d10 | 14.146 | 164 | 8091 | 0.400 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 16.904 | 188 | 16288 | 0.400 | ng | | 0.00 |
| 29) Chrysene-d12 | 21.112 | 240 | 12777 | 0.400 | ng | | 0.00 |
| 35) Perylene-d12 | 23.270 | 264 | 13288 | 0.400 | ng | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.154 | 112 | 5205 | 0.254 | ng | | 0.00 |
| 5) Phenol-d6 | 6.707 | 99 | 6472 | 0.267 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.649 | 82 | 4395 | 0.295 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.869 | 152 | 11226 | 0.454 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.651 | 330 | 942 | 0.230 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 12.767 | 172 | 10132 | 0.300 | ng | | 0.00 |
| 27) Fluoranthene-d10 | 18.942 | 212 | 19036 | 0.474 | ng | | 0.00 |
| 31) Terphenyl-d14 | 19.560 | 244 | 8177 | 0.300 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.175 | 88 | 988m | 0.130 | ng | | |
| 3) n-Nitrosodimethylamine | 3.464 | 42 | 968 | 0.108 | ng | | 97 |
| 6) bis(2-Chloroethyl)ether | 6.953 | 93 | 2304 | 0.126 | ng | | 99 |
| 9) Naphthalene | 10.325 | 128 | 5464 | 0.117 | ng | | 97 |
| 10) Hexachlorobutadiene | 10.613 | 225 | 1101 | 0.113 | ng | # | 100 |
| 12) 2-Methylnaphthalene | 11.945 | 142 | 3294 | 0.115 | ng | | 98 |
| 16) Acenaphthylene | 13.868 | 152 | 3846 | 0.110 | ng | | 99 |
| 17) Acenaphthene | 14.210 | 154 | 2720 | 0.113 | ng | | 98 |
| 18) Fluorene | 15.204 | 166 | 3321 | 0.112 | ng | | 100 |
| 20) 4,6-Dinitro-2-methylph... | 15.300 | 198 | 225 | 0.087 | ng | # | 67 |
| 21) 4-Bromophenyl-phenylether | 16.110 | 248 | 1011 | 0.107 | ng | | 98 |
| 22) Hexachlorobenzene | 16.209 | 284 | 1232 | 0.114 | ng | | 99 |
| 23) Atrazine | 16.395 | 200 | 808 | 0.107 | ng | | 97 |
| 24) Pentachlorophenol | 16.557 | 266 | 457 | 0.103 | ng | | 97 |
| 25) Phenanthrene | 16.942 | 178 | 5219 | 0.116 | ng | | 99 |
| 26) Anthracene | 17.028 | 178 | 4336 | 0.111 | ng | | 99 |
| 28) Fluoranthene | 18.975 | 202 | 5574 | 0.111 | ng | | 98 |
| 30) Pyrene | 19.337 | 202 | 5665 | 0.110 | ng | | 100 |
| 32) Benzo(a)anthracene | 21.103 | 228 | 5361 | 0.118 | ng | | 98 |
| 33) Chrysene | 21.148 | 228 | 5209 | 0.115 | ng | | 99 |
| 34) Bis(2-ethylhexyl)phtha... | 21.059 | 149 | 3764 | 0.151 | ng | # | 99 |
| 36) Indeno(1,2,3-cd)pyrene | 25.399 | 276 | 6629 | 0.121 | ng | | 96 |
| 37) Benzo(b)fluoranthene | 22.633 | 252 | 5451 | 0.112 | ng | # | 83 |
| 38) Benzo(k)fluoranthene | 22.674 | 252 | 5928 | 0.125 | ng | # | 74 |
| 39) Benzo(a)pyrene | 23.177 | 252 | 4861 | 0.119 | ng | # | 81 |
| 40) Dibenzo(a,h)anthracene | 25.419 | 278 | 5211 | 0.118 | ng | | 91 |
| 41) Benzo(g,h,i)perylene | 26.051 | 276 | 5373 | 0.113 | ng | | 95 |

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

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