Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032421\
Data File : BM029202.D
Acq On : 24 Mar 2021 10:27
Operator : CG/JU
Sample : M1344-02
Misc : SFAM-SIM-MDL-W-02
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** MDL-WATER-QT2-2021-04

Quant Time: Mar 24 11:02:52 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 24 10:09:05 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.77 | 152 | 1481 | 0.40 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.55 | 136 | 4612 | 0.40 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.39 | 164 | 2306 | 0.40 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.12 | 188 | 4644 | 0.40 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.29 | 240 | 4581 | 0.40 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.52 | 264 | 5090 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.30 | 96 | 702 | 0.56 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.14 | 152 | 1938 | 0.28 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.15 | 212 | 3511 | 0.30 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.33 | 88 | 92 | 0.066 | ng/ul# | 76 |
| 5) Naphthalene | 10.59 | 128 | 970 | 0.071 | ng/ul# | 87 |
| 7) 2-Methylnaphthalene | 12.21 | 142 | 623 | 0.070 | ng/ul | 98 |
| 8) 1-Methylnaphthalene | 12.43 | 142 | 574 | 0.067 | ng/ul | 100 |
| 10) Acenaphthylene | 14.11 | 152 | 666 | 0.066 | ng/ul# | 86 |
| 11) Acenaphthene | 14.45 | 153 | 617 | 0.071 | ng/ul | 96 |
| 12) Fluorene | 15.43 | 166 | 656 | 0.067 | ng/ul# | 96 |
| 14) Pentachlorophenol | 16.77 | 266 | 100 | 0.081 | ng/ul | 97 |
| 15) Phenanthrene | 17.16 | 178 | 1083 | 0.073 | ng/ul# | 87 |
| 16) Anthracene | 17.25 | 178 | 867 | 0.068 | ng/ul# | 82 |
| 19) Fluoranthene | 19.17 | 202 | 1095 | 0.071 | ng/ul# | 83 |
| 20) Pyrene | 19.53 | 202 | 1140 | 0.073 | ng/ul# | 87 |
| 21) Benzo(a)anthracene | 21.27 | 228 | 958 | 0.070 | ng/ul# | 89 |
| 22) Chrysene | 21.32 | 228 | 1115 | 0.072 | ng/ul# | 92 |
| 24) Benzo(b)fluoranthene | 22.85 | 252 | 1332 | 0.072 | ng/ul# | 45 |
| 25) Benzo(k)fluoranthene | 22.89 | 252 | 1364 | 0.071 | ng/ul# | 56 |
| 26) Benzo(a)pyrene | 23.42 | 252 | 1079 | 0.072 | ng/ul# | 6 |
| 27) Indeno(1,2,3-cd)pyrene | 25.77 | 276 | 1652 | 0.070 | ng/ul# | 100 |
| 28) Dibenzo(a,h)anthracene | 25.79 | 278 | 1348 | 0.068 | ng/ul# | 65 |
| 29) Benzo(g,h,i)perylene | 26.46 | 276 | 1279 | 0.067 | ng/ul# | 76 |

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

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