

Assessment of run-off waters resulting from lithium-ion battery fire-fighting operations

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Supporting information

Calculation for the table 6 extrapolation

Hypothesis :

- In real scenario: 0,12 L/Wh used
- In test 1 : 0.014 L/Wh
- In test 2 : 0.024 L/Wh
- In test 3 : 0.01 L/Wh
- The normalized water flow rate (per watt-hour) does not significantly influence the mass transfer of pollutants in the run-off water.

To obtain table 6 values, concentration of selected species were taken from table 1 (for metals), table 2 (for naphthalene) and table 3 (for EC and EMC) and multiplied by

- 0.12 for test 1 (= 0.014/0,12)
- 0.20 for test 2 (= 0.024/0,12)
- 0.08 for test 3 (= 0.01/0,12)