



Res Its

U.S. EPA

- 12% of the 156,018 tests found a chemical concentration high enough to be detected.
- 46 of the 67 chemicals tested were detected at least once.
- Vinyl chloride levels generally decreased with time. Levels did not go above any CDC ATSDR levels of concern for non-cancer effects (Figure 1).
- 2 of 2,244 naphthalene tests were above the CDC ATSDR level for nasal irritation (on 2/28 and 7/5 within 1,000 feet of the event).
- 2 of 2,246 benzene tests were above the CDC ATSDR level for immune cell toxicity (on 2/8 and 5/3 within 1,500 feet of the event).
 - If these levels had been present every day for a year and people were breathing in that area, there would be concern for these health effects.

- Acrolein measurements were stopped in March of 2023.
- 99% of acrolein is expected to be gone after 6 days in the air (half-life=15-20 hours). It is unknown how often or how long acrolein was released.

Carnegie Mellon/Texas A&M

