«ӘЛ-ФАРАБИ АТЫНДАҒЫ
ҚАЗАҚ ҰЛТТЫҚ УНИВЕРСИТЕТІ»
КОММЕРЦИЯЛЫҚ ЕМЕС АКЦИОНЕРЛІК ҚОҒАМЫ
ҒЫЛЫМ ЖӘНЕ ИННОВАЦИЯЛЫҚ
ҚЫЗМЕТ ЖӨНІНДЕГІ ДЕПАРТАМЕНТІ
ЖЕРГІЛІКТІ ЭТИКАЛЫҚ КОМИТЕТ

ЖЭК
ЛЭК

НЕКОММЕРЧЕСКОЕ АКЦИОНЕРНОЕ ОБЩЕСТВО
«КАЗАХСКИЙ НАЦИОНАЛЬНЫЙ
УНИВЕРСИТЕТ ИМЕНИ АЛЬ-ФАРАБИ»
ДЕПАРТАМЕНТ ПО НАУКЕ
И ИННОВАЦИОННОЙ ДЕЯТЕЛЬНОСТИ
ЛОКАЛЬНЫЙ ЭТИЧЕСКИЙ КОМИТЕТ

От 29.05.2026 №877

На №877 от 29.05.26

Ethical approval

1.	Full name of PhD student	Kurmanbayeva Tolkyn Serikbaykyzy
2.	Specialty of PhD Program	«8D05301 – Chemistry»
3.	Time period of study at PhD Program	2022-2025
4.	Theme of the thesis, date of approval	Development of simple and accurate methods for on-site gas chromatographic determination of volatile organic compounds in environmental objects using solid-phase microextraction, 24.04.2024
5.	Information about scientific supervisor (-s) (Name, title, degree, work position and citizenship)	Bulat Kenessov, Candidate of Chemical Sciences, Professor of the Department of Analytical, Colloid Chemistry and Technology of Rare Elements, Faculty of Chemistry and Chemical Technology, al-Farabi Kazakh National University Director of the Analytical Center for Scientific and Technological Development at National Academy of Science of Republic of Kazakhstan. Citizenship: Republic of Kazakhstan Dmitry S. Kosyakov, PhD, Docent Director of Core Facility Center 'Arktika', Northern (Arctic) Federal University, Member of the Scientific Council for Analytical Chemistry of the Russian Academy of Sciences. Citizenship: Russian Federation
6.	Objects of study	Methods for on-site gas-chromatographic determination of BTEX (benzene, toluene, ethylbenzene, *m*-/*p*-xylene and *o*-xylene) in air and unsymmetrical dimethylhydrazine transformation products in water and soil samples
7.	Planning, sampling and conducting of study	Violations are not revealed
8.	Dissemination of results or practical implementation	Violations are not revealed
9.	Protection of rights, safety and welfare of research objects	The study did not involve any living subjects or objects requiring the protection of rights, safety, or welfare
10	Absence or presence of the use of artificial intelligence technologies in the preparation of the dissertation research	No artificial intelligence technologies were used in the preparation of the dissertation research
11	Code of approval	IRB- A2089
12	Date of study approval	28.05.2026

Chair of LEC _____ G. Ussatayeva

Secretary of LEC _____ S. Madiyev

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