

From: [Official Information](#)
To: [REDACTED] [lincolnagritech.co.nz](mailto:[REDACTED]@lincolnagritech.co.nz)
Cc: [Official Information](#)
Subject: Final response - LGOIMA 380635 - [REDACTED] - raw data on water composition prior to treatment
Date: Wednesday, 28 February 2024 4:23:15 pm
Attachments: [image001.png](#)
[image002.jpg](#)
[image003.jpg](#)
[River Comp Data for LGOIMA Feb 2024.xlsx](#)

Kia ora,

We refer to your information request below. Hamilton City Council provides the following response.

Your request:

This is [REDACTED] from Lincoln Agritech (Ruakura campus). I'm part of a team researching the impacts of climate change on the water quality of the Waikato River. Currently I am trying to find chemical data that broadly reflect the current water composition, with particular interest in trace metal concentrations. Our project focuses on the section of the Waikato River within Hamilton City and upriver until Lake Karapiro. I found the attached 2020/2021 report by HCC containing trace metal data for water leaving the Waikato treatment plant, and am wondering if you have similar data for the raw water composition prior to treatment?

Our response:

Staff have compiled the data you have requested. Attached is a spreadsheet detailing results of analysis undertaken from the Waikato River at Hamilton's Waikato Water Treatment Plant. This analysis dates from 2011 to 2023.

You have the right to seek an investigation and review by the Ombudsman of this decision. Information about how to make a complaint is available at www.ombudsman.parliament.nz or freephone 0800 802 602.

Ngā mihi

Keeley Faulkner

Official Information Coordinator

Governance & Assurance Team | Business Services

Email: officialinformation@hcc.govt.nz



Hamilton City Council | Private Bag 3010 | Hamilton 3240 | www.hamilton.govt.nz



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I support flexibility at work. While it suits me to send this email now, I don't expect a response outside of your own working hours.

From: [REDACTED] [REDACTED]@lincolnagritech.co.nz>

Sent: Wednesday, February 7, 2024 3:18 PM

To: Official Information <officialinformation@hcc.govt.nz>

Subject: Request for Waikato River chemistry data (trace metals)

Kia ora,

This is [REDACTED] from Lincoln Agritech (Ruakura campus). I'm part of a team researching the impacts of climate change on the water quality of the Waikato River. Currently I am trying to find chemical data that broadly reflect the current water composition, with particular interest in trace metal concentrations. Our project focuses on the section of the Waikato River within Hamilton City and upriver until Lake Karapiro. I found the attached 2020/2021 report by HCC containing trace metal data for water leaving the Waiora treatment plant, and am wondering if you have similar data for the raw water composition prior to treatment?

Thanks and best regards,

[REDACTED]

[REDACTED]
Postdoctoral Researcher, Environmental
LINCOLN AGRITECH LTD
Engineering and Science for Agriculture, Industry and the Environment

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P: [REDACTED]
E: [REDACTED]@lincolnagritech.co.nz
W: www.lincolnagritech.co.nz

A: Ruakura Research Centre, Ruakura Lane, Hamilton 3214, New Zealand

A: Private Bag 3062, Waikato Mail Centre, Hamilton 3240, New Zealand

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1,3-Dichlorobenzene	< 0.0003	< 0.0003	< 0.0003	0	1
1,4-Dichlorobenzene	< 0.0003	< 0.0003	< 0.0003	0	1
1,2,3-Trichlorobenzene	< 0.0003	< 0.0003	< 0.0003	0	1
1,2,4-Trichlorobenzene	< 0.0003	< 0.0003	< 0.0003	0	1
1,3,5-Trichlorobenzene	< 0.0003	< 0.0003	< 0.0003	0	1
Bromobenzene	< 0.0003	< 0.0003	< 0.0003	0	1
2-Chlorotoluene	< 0.0003	< 0.0003	< 0.0003	0	1
4-Chlorotoluene	< 0.0003	< 0.0003	< 0.0003	0	1
Non-halogenated Hydrocarbons in VOC Water by Headspace GC-MS					
n-Butylbenzene	< 0.0005	< 0.0005	< 0.0005	0	1
tert-Butylbenzene	< 0.0003	< 0.0003	< 0.0003	0	1
4-Isopropyltoluene (p-Cymene)	< 0.0005	< 0.0005	< 0.0005	0	1
Isopropylbenzene (Cumene)	< 0.0003	< 0.0003	< 0.0003	0	1
n-Propylbenzene	< 0.0005	< 0.0005	< 0.0005	0	1
sec-Butylbenzene	< 0.0003	< 0.0003	< 0.0003	0	1
Styrene	< 0.0005	< 0.0005	< 0.0005	0	1
1,2,4-Trimethylbenzene	< 0.0003	< 0.0003	< 0.0003	0	1
1,3,5-Trimethylbenzene	< 0.0003	< 0.0003	< 0.0003	0	1
Aromatics in VOC Water by Headspace GC-MS					
Axetone	< 0.05	< 0.05	< 0.05	0	1
2-Butanone (MEK)	< 0.05	< 0.05	< 0.05	0	1
Methyl-tert-butyl ether (MTBE)	< 0.0010	< 0.0010	< 0.0010	0	1
4-Methylbenzoic-2-one (MIBK)	< 0.010	< 0.010	< 0.010	0	1
Bromochloromethane in VOC Water by Headspace GC-MS					
Bromochloromethane	< 0.0003	< 0.0003	< 0.0003	0	1
Bromoform (Tribromomethane)	< 0.0003	< 0.0003	< 0.0003	0	1
Chloroform (Trichloromethane)	< 0.0003	< 0.0003	< 0.0003	0	1
Dibromochloromethane	< 0.0003	< 0.0003	< 0.0003	0	1
Other VOCs in Water by Headspace GC-MS					
Carbon Disulfide	< 0.0005	< 0.0005	< 0.0005	0	1
Naphthalene	< 0.0005	< 0.0005	< 0.0005	0	1