

10 September 2018

[REDACTED]

Dear [REDACTED]

Local Government Official Information and Meetings Act 1987 (LGOIMA) request for information on the glyphosphate levels in Dunedin drinking water

I am writing with regards to your official information request dated 13 August 2018 requesting information on the glyphosphate levels in Dunedin drinking water.

The Dunedin City Council do not test for glyphosphate or glyphosate in Dunedin water as the Drinking Water Standards for NZ (2008) do not require this. We do however, test for a large spread of herbicides/pesticides in the drinking water catchments quarterly and I have attached the most current set of results from 14 August 2018. These results are from Deep Creek/Deep Stream which provides drinking water for Dunedin City and Mosgiel.

I hope this information is of assistance.

Yours Sincerely



Rebecca Murray
Governance Support Officer



Certificate of Analysis

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Client:	Eurofins ELS Limited	Lab No:	2030968	SPV1
Contact:	D Bottrill	Date Received:	14-Aug-2018	
	C/- Eurofins ELS Limited	Date Reported:	23-Aug-2018	
	PO Box 36105	Quote No:		
	Wellington Mail Centre	Order No:		
	Lower Hutt 5045	Client Reference:	18/36454	
		Submitted By:	D Bottrill	

Sample Type: Aqueous

Sample Name:	18/36454 01 - Deep Creek 10-Aug-2018 10:15 am	18/36454 02 - Deep Stream 10-Aug-2018 12:15 pm			
Lab Number:	2030968.1	2030968.2			

Acid Herbicides Trace in Water by LCMSMS

Acifluorfen	g/m ³	< 0.00004	< 0.00004	-	-	-
Bentazone	g/m ³	< 0.00004	< 0.00004	-	-	-
Bromoxynil	g/m ³	< 0.00004	< 0.00004	-	-	-
Clopyralid	g/m ³	< 0.00006	< 0.00006	-	-	-
2,4-Dichlorophenoxyacetic acid (24D)	g/m ³	< 0.00004	< 0.00004	-	-	-
2,4-Dichlorophenoxybutyric acid (24DB)	g/m ³	< 0.00004	< 0.00004	-	-	-
Dicamba	g/m ³	< 0.00004	< 0.00004	-	-	-
Dichlorprop	g/m ³	< 0.00004	< 0.00004	-	-	-
Fluazifop	g/m ³	< 0.00004	< 0.00004	-	-	-
Fluroxypyr	g/m ³	< 0.00004	< 0.00004	-	-	-
Haloxypyr	g/m ³	< 0.00004	< 0.00004	-	-	-
2-methyl-4-chlorophenoxyacetic acid (MCPA)	g/m ³	< 0.00004	< 0.00004	-	-	-
2-methyl-4-chlorophenoxybutanoic acid (MCPB)	g/m ³	< 0.00004	< 0.00004	-	-	-
Mecoprop	g/m ³	< 0.00004	< 0.00004	-	-	-
Oryzalin	g/m ³	< 0.00006	< 0.00006	-	-	-
2,3,4,6-Tetrachlorophenol (TCP)	g/m ³	< 0.00004	< 0.00004	-	-	-
2,4,5-trichlorophenoxypropionic acid (245TP, Fenoprop, Silvex)	g/m ³	< 0.00004	< 0.00004	-	-	-
2,4,5-Trichlorophenoxyacetic acid (245T)	g/m ³	< 0.00004	< 0.00004	-	-	-
Pentachlorophenol (PCP)	g/m ³	< 0.00004	< 0.00004	-	-	-
Picloram	g/m ³	< 0.00006	< 0.00006	-	-	-
Quizalofop	g/m ³	< 0.00004	< 0.00004	-	-	-
Triclopyr	g/m ³	< 0.00004	< 0.00004	-	-	-

Summary of Methods

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively clean matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis.

Sample Type: Aqueous

Test	Method Description	Default Detection Limit	Sample No
Acid Herbicides Trace in Water by LCMSMS	Acid Herbicides in water, trace level	0.00003 - 0.00004 g/m ³	1-2



This Laboratory is accredited by International Accreditation New Zealand (IANZ), which represents New Zealand in the International Laboratory Accreditation Cooperation (ILAC). Through the ILAC Mutual Recognition Arrangement (ILAC-MRA) this accreditation is internationally recognised. The tests reported herein have been performed in accordance with the terms of accreditation, with the exception of tests marked *, which are not accredited.

These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Samples are held at the laboratory after reporting for a length of time depending on the preservation used and the stability of the analytes being tested. Once the storage period is completed the samples are discarded unless otherwise advised by the client.

This certificate of analysis must not be reproduced, except in full, without the written consent of the signatory.

A handwritten signature in blue ink, appearing to read 'G Corban', is positioned above the printed name.

Graham Corban MSc Tech (Hons)
Client Services Manager - Environmental