

Certificate of Analysis

Te Hononga Civic Offices
53 Hereford Street, Christchurch

Lab reference: 22-0022
Submitted by: Nigel Grant

Kurt Scoringe
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Date received: 12/05/2022
Date analyzed: 12/05/2022
Report date: 13/05/2022
Order No:
Reference: 12th-May-2022

Laboratory ID		22-0022-1	22-0022-2	22-0022-3	22-0022-4	22-0022-5	22-0022-6
Customer ID		Site 1 - Cuthberts/Ruru	Site 2 - Cuthberts/ Plant Gates	Site 3 - Breezes/Cuthberts	Site 4 - Breezes/SH74	Site 5 - SH74 by Dam	Site 6 - Metro PI
Sampling time		12-05-2022, 10:00	12-05-2022, 09:30	12-05-2022, 09:40	12-05-2022, 09:45	12-05-2022, 09:50	12-05-2022, 09:55

Analyte (CAS)	Unit						
monoterpenes	ppbv	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
decamethylcyclopenta siloxane (541-02-6)	ppbv	49	<LOQ	39	9	20	23
ethanol (64-17-5)	ppbv	28	51	27	60	60	45
heptanes	ppbv	15	15	16	38	12	12
hydrogen sulphide (7783-06-4)	ppbv	<LOQ	<LOQ	<LOQ	<LOQ	12	<LOQ
pentanes	ppbv	17	<LOQ	11	7	10	5
methane (74-82-8)	ppbv	1977	2382	1521	1808	2535	2104
methanol (67-56-1)	ppbv	60	48	44	44	71	57
methyl mercaptan (74-93-1)	ppbv	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
styrene (100-42-5)	ppbv	12	<LOQ	11	327	11	<LOQ
xylenes + ethylbenzene	ppbv	<LOQ	<LOQ	<LOQ	70	<LOQ	<LOQ

Laboratory ID		22-0022-7	22-0022-8	22-0022-9
Customer ID		Site 7 - Pond Inlet	Trickling filter 1	Trickling filter 2
Sampling time		12-05-2022, 09:30	12-05-2022, 09:15	12-05-2022, 09:15

Analyte (CAS)	Unit			
monoterpenes	ppbv	<LOQ	<LOQ	<LOQ
decamethylcyclopenta siloxane (541-02-6)	ppbv	16	14	21
ethanol (64-17-5)	ppbv	73	72	48
heptanes	ppbv	12	134	10
hydrogen sulphide (7783-06-4)	ppbv	6	<LOQ	<LOQ
pentanes	ppbv	8	397	8
methane (74-82-8)	ppbv	2756	2409	1833
methanol (67-56-1)	ppbv	65	66	61
methyl mercaptan (74-93-1)	ppbv	<LOQ	<LOQ	<LOQ
styrene (100-42-5)	ppbv	<LOQ	1531	8
xylenes + ethylbenzene	ppbv	<LOQ	362	<LOQ

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Method approver:



Anatoly Chernyshev, PhD
Director

Method Summary

The samples were analysed as received using direct injection – Selected Ion Flow Tube Mass Spectrometry (SIFT-MS) in Mass Scan Mode (reporting limit is 100 ppbv) and Selected Ion Mode (LOQ is 5 ppbv). No new components are found in the mass scan mode.

Report Notes

The samples were received in acceptable condition.

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