

# REGEN WATERS

LABORATORY • LABORATORIUM

CK. 89/14418/23

4 Woltemade Street / Woltemadestraat 4  
P.O. Box / Posbus 8328  
WITBANK 1035  
Web: www.regenwaters.com

Tel.: 013-690-1487  
Fax / Faks: 013-656-5050  
E-mail / Epos: regenlab@mweb.co.za

## CERTIFICATE OF ANALYSIS TRIHALOMETHANE COMPOUNDS (THM)

SAMPLE INFORMATION		LAB NUMBER	C50.D
DATE RECEIVED	20-Nov-12	DATE ANALYZED	7-Dec-12
CLIENT	<b>Steve Tshwete Municipality</b>	MATRIX	Water
SAMPLE NAME	Loskop Rou		
CONTAINER	Plastic, polyethylene		
INSTRUMENT	Agilent 7890A GC/MS, Headspace 7697A, Solid Phase Extraction		

COMPOUND	CONCENTRATION	UNITS
Chloroform	<10	µg/liter
Bromodichloromethane	<10	µg/liter
Trichloroethene	<10	µg/liter
Dibromochloromethane	<10	µg/liter
Bromoform	<10	µg/liter

Samples stored at 5°C after acceptance by Regen Waters.

This report is only applicable to the sample provided for testing.

Regen Waters cannot be held accountable for any errors that might have been caused by improper sampling, handling or storage of samples prior to acceptance.

## Trihalomethane Result Interpretation

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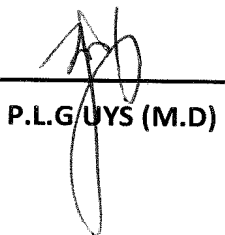
According to the South African National Standards 241-1: Ed1 2011 the limits for trihalomethane content in drinking water are:

Compound	Concentration	Units
Chloroform	≤300	µg/liter
Bromoform	≤100	µg/liter
Dibromochloromethane	≤100	µg/liter
Bromodichloromethane	≤60	µg/liter
Trichloroethene*	≤20	µg/liter

\*Standard from the world health organization drinking water standard 2011 (Not technically a THM but is a frequently requested compound in conjunction with THM analysis.)

Trihalomethanes in potable water is a by-product of disinfection using chlorine and other disinfectants. The concentration of trihalomethanes in potable water needs to be monitored, as long term consumption of high concentrations can lead to chronic ailments.

The sample submitted **Steve Tshwete Municipality Loskop Rou** complies with the standards for trihalomethane content in drinking water.

  
P.L.G/UYS (M.D)

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## CERTIFICATE OF ANALYSIS TRICHALOMETHANE COMPOUNDS (THM)

### SAMPLE INFORMATION

DATE RECEIVED	20-Nov-12	LAB NUMBER	C51.D
CLIENT	<b>Steve Tshwete Municipality</b>	DATE ANALYZED	7-Dec-12
SAMPLE NAME	<b>Loskop</b>	MATRIX	Water
CONTAINER	Plastic, polyethylene		
INSTRUMENT	Agilent 7890A GC/MS, Headspace 7697A, Solid Phase Extraction		

COMPOUND	CONCENTRATION	UNITS
Chloroform	50.19	µg/liter
Bromodichloromethane	<10	µg/liter
Trichloroethene	<10	µg/liter
Dibromochloromethane	14.18	µg/liter
Bromoform	<10	µg/liter

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## Trihalomethane Result Interpretation

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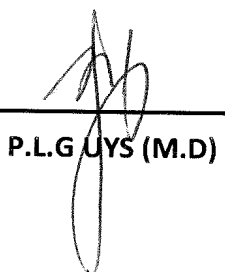
According to the South African National Standards 241-1: Ed1 2011 the limits for trihalomethane content in drinking water are:

Compound	Concentration	Units
Chloroform	≤300	µg/liter
Bromoform	≤100	µg/liter
Dibromochloromethane	≤100	µg/liter
Bromodichloromethane	≤60	µg/liter
Trichloroethene*	≤20	µg/liter

\*Standard from the world health organization drinking water standard 2011 (Not technically a THM but is a frequently requested compound in conjunction with THM analysis.)

Trihalomethanes in potable water is a by-product of disinfection using chlorine and other disinfectants. The concentration of trihalomethanes in potable water needs to be monitored, as long term consumption of high concentrations can lead to chronic ailments.

The sample submitted **Steve Tshwete Municipality Loskop** complies with the standards for trihalomethane content in drinking water.

  
P.L.G UYS (M.D)

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## CERTIFICATE OF ANALYSIS TRIHALOMETHANE COMPOUNDS (THM)

SAMPLE INFORMATION		LAB NUMBER	C52.D
DATE RECEIVED	20-Nov-12	DATE ANALYZED	7-Dec-12
CLIENT	<b>Steve Tshwete Municipality</b>	MATRIX	Water
SAMPLE NAME	<b>Vaalbank WTP Rou</b>		
CONTAINER	Plastic, polyethylene		
INSTRUMENT	Agilent 7890A GC/MS, Headspace 7697A, Solid Phase Extraction		

COMPOUND	CONCENTRATION	UNITS
Chloroform	<10	µg/liter
Bromodichloromethane	<10	µg/liter
Trichloroethene	<10	µg/liter
Dibromochloromethane	<10	µg/liter
Bromoform	<10	µg/liter

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## Trihalomethane Result Interpretation

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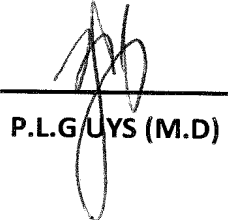
According to the South African National Standards 241-1: Ed1 2011 the limits for trihalomethane content in drinking water are:

Compound	Concentration	Units
Chloroform	≤300	µg/liter
Bromoform	≤100	µg/liter
Dibromochloromethane	≤100	µg/liter
Bromodichloromethane	≤60	µg/liter
Trichloroethene*	≤20	µg/liter

\*Standard from the world health organization drinking water standard 2011 (Not technically a THM but is a frequently requested compound in conjunction with THM analysis.)

Trihalomethanes in potable water is a by-product of disinfection using chlorine and other disinfectants. The concentration of trihalomethanes in potable water needs to be monitored, as long term consumption of high concentrations can lead to chronic ailments.

The sample submitted **Steve Tshwete Municipality Vaalbank WTP Rou** complies with the standards for trihalomethane content in drinking water.

  
P.L.G. UYS (M.D)

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SAMPLE INFORMATION		LAB NUMBER	C53.D
DATE RECEIVED	20-Nov-12	DATE ANALYZED	7-Dec-12
CLIENT	<b>Steve Tshwete Municipality</b>	MATRIX	Water
SAMPLE NAME	Vaalbank WTP Final		
CONTAINER	Plastic, polyethylene		
INSTRUMENT	Agilent 7890A GC/MS, Headspace 7697A, Solid Phase Extraction		

COMPOUND	CONCENTRATION	UNITS
Chloroform	32.27	µg/liter
Bromodichloromethane	<10	µg/liter
Trichloroethene	<10	µg/liter
Dibromochloromethane	22.24	µg/liter
Bromoform	<10	µg/liter

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## Trihalomethane Result Interpretation

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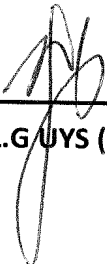
According to the South African National Standards 241-1: Ed1 2011 the limits for trihalomethane content in drinking water are:

Compound	Concentration	Units
Chloroform	≤300	µg/liter
Bromoform	≤100	µg/liter
Dibromochloromethane	≤100	µg/liter
Bromodichloromethane	≤60	µg/liter
Trichloroethene*	≤20	µg/liter

\*Standard from the world health organization drinking water standard 2011 (Not technically a THM but is a frequently requested compound in conjunction with THM analysis.)

Trihalomethanes in potable water is a by-product of disinfection using chlorine and other disinfectants. The concentration of trihalomethanes in potable water needs to be monitored, as long term consumption of high concentrations can lead to chronic ailments.

The sample submitted Steve Tshwete Municipality Vaalbank WTP Final complies with the standards for trihalomethane content in drinking water.



P.L.G. UYS (M.D)