

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	C54.D
DATE RECEIVED	20-Nov-12	DATE ANALYZED	7-Dec-12
CLIENT	Steve Tshwete Municipality	MATRIX	Water
SAMPLE NAME	Presidentsrus Raw		
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


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 Presidentsrus Raw** 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

DATE RECEIVED	20-Nov-12	LAB NUMBER	C55.D
CLIENT	Steve Tshwete Municipality	DATE ANALYZED	7-Dec-12
SAMPLE NAME	Presidentsrus Final	MATRIX	Water
CONTAINER	Plastic, polyethylene		
INSTRUMENT	Agilent 7890A GC/MS, Headspace 7697A, Solid Phase Extraction		

COMPOUND

CONCENTRATION

UNITS

Chloroform	38.40	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


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 Presidentsrus Final** complies with the standards for trihalomethane content in drinking water.



P.L.G JYS (M.D)

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CERTIFICATE OF ANALYSIS TRIHALOMETHANE COMPOUNDS (THM)

SAMPLE INFORMATION		LAB NUMBER	C56.D
DATE RECEIVED	20-Nov-12	DATE ANALYZED	7-Dec-12
CLIENT	Steve Tshwete Municipality	MATRIX	Water
SAMPLE NAME	Hendrina Potable Raw		
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

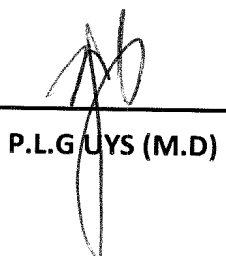
According to the South African National Standards 241-1: Ed1 2011 the limits for trihalomethane content in drinking water are:

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 Hendrina Potable Raw** 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	C57.D
DATE RECEIVED	20-Nov-12	DATE ANALYZED	7-Dec-12
CLIENT	Steve Tshwete Municipality	MATRIX	Water
SAMPLE NAME	Hendrina Potable Final		
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


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 Hendrina Potable Final** complies with the standards for trihalomethane content in drinking water.


P.L.G UYS (M.D)