

REGEN WATERS

LABORATORY • LABORATORIUM

CK. 89/14418/23

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CERTIFICATE OF ANALYSIS

TRIHALOMETHANE COMPOUNDS

(THM)

SAMPLE INFORMATION		LAB NUMBER	H82.D
DATE RECEIVED	26-Jun-12	DATE ANALYZED	5-Jul-12
CLIENT	Komati Powerstation	MATRIX	Water
SAMPLE NAME	Potable Water		
CONTAINER	Plastic, polyethylene		
INSTRUMENT	Agilent 7890A GC/MS, Headspace 7697A, Solid Phase Extraction		

COMPOUND	CONCENTRATION	UNITS
Chloroform	44.96	µg/liter
Bromodichloromethane	14.17	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

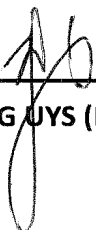
According to the South African National Standards 241-1: Ed1 2011 the limits for trihalomethane content in drinking water are:

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 **Komati Powerstation Potable Water** 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

		LAB NUMBER	H83.D
DATE RECEIVED	26-Jun-12	DATE ANALYZED	5-Jul-12
CLIENT	Komati Powerstation	MATRIX	Water
SAMPLE NAME	Blinkpan Club		
CONTAINER	Plastic, polyethylene		
INSTRUMENT	Agilent 7890A GC/MS, Headspace 7697A, Solid Phase Extraction		

COMPOUND

CONCENTRATION

UNITS

Chloroform	47.17	µg/liter
Bromodichloromethane	16.64	µg/liter
Trichloroethene	<10	µg/liter
Dibromochloromethane	<10	µg/liter
Bromoform	<10	µg/liter

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Trihalomethane Result Interpretation

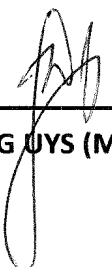
According to the South African National Standards 241-1: Ed1 2011 the limits for trihalomethane content in drinking water are:

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 **Komati Powerstation Blinkpan Club** complies with the standards for trihalomethane content in drinking water.



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CERTIFICATE OF ANALYSIS

TRIALOMETHANE COMPOUNDS

(THM)

SAMPLE INFORMATION		LAB NUMBER	H84.D
DATE RECEIVED	26-Jun-12	DATE ANALYZED	5-Jul-12
CLIENT	Komati Powerstation	MATRIX	Water
SAMPLE NAME	Koornfontei- Mine		
CONTAINER	Plastic, polyethylene		
INSTRUMENT	Agilent 7890A GC/MS, Headspace 7697A, Solid Phase Extraction		

COMPOUND	CONCENTRATION	UNITS
Chloroform	51.21	µg/liter
Bromodichloromethane	19.06	µg/liter
Trichloroethene	<10	µg/liter
Dibromochloromethane	<10	µg/liter
Bromoform	<10	µg/liter

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Trihalomethane Result Interpretation

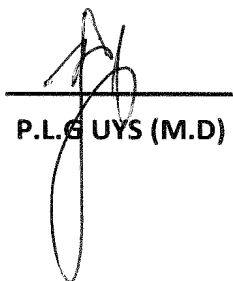
According to the South African National Standards 241-1: Ed1 2011 the limits for trihalomethane content in drinking water are:

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 Komati Powerstation Koorfontei-Mine complies with the standards for trihalomethane content in drinking water.



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CERTIFICATE OF ANALYSIS

TRIHALOMETHANE COMPOUNDS

(THM)

SAMPLE INFORMATION

		LAB NUMBER	H85.D
DATE RECEIVED	26-Jun-12	DATE ANALYZED	5-Jul-12
CLIENT	Komati Powerstation	MATRIX	Water
SAMPLE NAME	Police Station		
CONTAINER	Plastic, polyethylene		
INSTRUMENT	Agilent 7890A GC/MS, Headspace 7697A, Solid Phase Extraction		

COMPOUND	CONCENTRATION	UNITS
Chloroform	49.79	µg/liter
Bromodichloromethane	17.72	µg/liter
Trichloroethene	<10	µg/liter
Dibromochloromethane	<10	µg/liter
Bromoform	<10	µg/liter

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Trihalomethane Result Interpretation

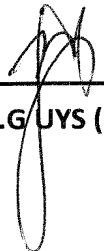
According to the South African National Standards 241-1: Ed1 2011 the limits for trihalomethane content in drinking water are:

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 Komati Powerstation Police Station complies with the standards for trihalomethane content in drinking water.



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CERTIFICATE OF ANALYSIS

TRIHALOMETHANE COMPOUNDS (THM)

SAMPLE INFORMATION		LAB NUMBER	H86.D
DATE RECEIVED	26-Jun-12	DATE ANALYZED	5-Jul-12
CLIENT	Komati Powerstation	MATRIX	Water
SAMPLE NAME	Municipality		
CONTAINER	Plastic, polyethylene		
INSTRUMENT	Agilent 7890A GC/MS, Headspace 7697A, Solid Phase Extraction		

COMPOUND	CONCENTRATION	UNITS
Chloroform	52.23	µg/liter
Bromodichloromethane	17.78	µg/liter
Trichloroethene	<10	µg/liter
Dibromochloromethane	<10	µg/liter
Bromoform	<10	µg/liter

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Trihalomethane Result Interpretation

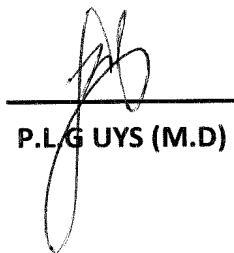
According to the South African National Standards 241-1: Ed1 2011 the limits for trihalomethane content in drinking water are:

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 Komati Powerstation Municipality complies with the standards for trihalomethane content in drinking water.


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CERTIFICATE OF ANALYSIS

TRIHALOMETHANE COMPOUNDS (THM)

SAMPLE INFORMATION		LAB NUMBER	H87.D
DATE RECEIVED	26-Jun-12	DATE ANALYZED	5-Jul-12
CLIENT	Komati Powerstation	MATRIX	Water
SAMPLE NAME	Waterplant		
CONTAINER	Plastic, polyethylene		
INSTRUMENT	Agilent 7890A GC/MS, Headspace 7697A, Solid Phase Extraction		

COMPOUND	CONCENTRATION	UNITS
Chloroform	44.73	µg/liter
Bromodichloromethane	14.57	µg/liter
Trichloroethene	<10	µg/liter
Dibromochloromethane	<10	µg/liter
Bromoform	<10	µg/liter

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Trihalomethane Result Interpretation

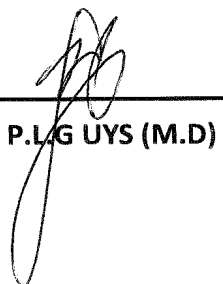
According to the South African National Standards 241-1: Ed1 2011 the limits for trihalomethane content in drinking water are:

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 Komati Powerstation Waterplant complies with the standards for trihalomethane content in drinking water.



P.L.G UYS (M.D)