

PERFORMANCE EVALUATION

Off-study

WPMIC08-3-234

12-Sep-2008 through 24-Oct-2008

RT1068
RTC Labcode

WY00006
US EPA Labcode

Energy Labs
Terry Friedlan
400 West Boxelder Rd.
Gillette WY 82718

Thank you for participating in study WPMIC08-3-234. Additional information about this study may be found online at www.rt-corp.com. If you have any questions or comments about this study please contact me.

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This report may contain data that are not covered by the A2LA accreditation.

Sincerely,



Christopher Rucinski
Quality Director

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Dataset

WPMIC08-3-234 MLI

Dataset Analyst

Ingram, Mary

Accreditors

Evaluations of this dataset will be sent to the accreditor(s) listed below using your laboratory's labcode listed above each accrediting agency. If any of the information listed below is incorrect, please contact RTC immediately.

Accrediting Labcode **WY00006**

USEPA Region VIII

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Accrediting Labcode **WY00006**

Wyoming DEQ

Water Quality Division

206 Edward Mock
122 W. 25th Street
Cheyenne WY 82002
UNITED STATES

Microbiology

Analysis

SM/APHA 9222 D (m-FC) 18th ED (1992) - Analyst: M. Ingram

Filtration - Immunomagnetic Separation - Immunofluorescence Assay

Method Number 20037405

Technology Code: IMS-FA

	Result Units	Assigned Value	Accept.	Z	Evaluation
Fecal coliforms 1.4 2530 / MIC-003 - Lot 013730 /Analyst: MLI/ Analysis Date: 10/21/08	44 CFU/100m L	44.00	20.4 to 67.7	0.00	Acceptable

End of WPMIC08-3-234 MLI



Dataset

WPMIC08-3-234 SMR

Dataset Analyst

Rasmussen, Sheena

Accreditors

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Microbiology

Analysis

SM/APHA 9222 D (m-FC) 18th ED (1992) - Analyst: S. Rasmussen

Filtration - Immunomagnetic Separation - Immunofluorescence Assay

Method Number 20037405

Technology Code: IMS-FA

	Result Units	Assigned Value	Accept.	Z	Evaluation
Fecal coliforms 1.4 2530 / MIC-003 - Lot 013730 /Analyst: SMR/ Analysis Date: 10/21/08	36 CFU/100m L	44.00	20.4 to 67.7	-1.02	Acceptable

End of WPMIC08-3-234 SMR



Sample Information

Microbiological - Quantitative

MIC-003 / Lot {EncryptedLotCode}

	Units	Assigned Value	Study Mean	Study Std. Dev.	Gravimetric Value
Fecal coliforms 2530 Microbiology	CFU/100m	44.00	196.00	89.30	49.0

Definitions:

Assigned Value: Value attributed to a particular quantity and accepted, sometimes by convention, as having an uncertainty appropriate for a give purpose. See ISO Guide 43 for additional information.

Accept. Window: The range of values that constitute acceptable performance for a laboratory participation in this PT study.

Z: A Z-Score tells how a single data point compares to normal data. A Z-Score says not only whether a point was above or below average, but how unusual the measurement is. Generally, a method result with a Z-Score less than |2| is considered to be in control, a Z-Score between |2| and |3| is considered 'Questionable', but still within control and a Z greater than |3| is considered not acceptable and the method is out of control.

Study Mean: Statistical study mean calculated using a robust statistical model (RTC employs the 'Biweight Program'). Robust statistical techniques to minimize the influence that extreme results can have on estimates of the mean and standard deviation NOTE - These techniques assign less weight to extreme results, rather than eliminate them from a data set.

Study Std. Dev.: Standard deviation calculated from study data using robust statisticals (Biweight).

Gravimetric Value: The prepared to value, determined by gravimetric means. The uncertainty associated to this value is standard uncertainty and based on RTC's gravimetric tolerances.

Program analyte accrediting footnotes

1 NELAC

3 Other

5 NELAC Experimental

2 EPA

4 A2LA