


PERFORMANCE EVALUATION

First Choice for Quality | 

Off-study

WP09-1-226

23-Mar-2009 through 5-May-2009

RT1068
RTC Labcode

WY00006
US EPA Labcode

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

Thank you for participating in study WP09-1-226. 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

WP09-1KLR

Dataset Analyst

Ruff, Kasey

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**

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Accrediting Labcode **WY00006**

Wyoming DEQ

Water Quality Division

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

Miscellaneous Analytes

Analysis

SM 18/19/20thED 4500-Cl F - Analyst: K. Ruff

Method Number 20015003

	Result Units	Assigned Value	Accept.	Z	Evaluation
Total residual chlorine 1, 3, 4 1940 / I-033 - Lot 012575 /Analyst: KLR/ Analysis Date: 5/5/09	0.77 mg/L	0.66	0.484 to 0.840	1.82	Acceptable

End of WP09-1KLR



Dataset

WP09-1KLS

Dataset Analyst

Storck, KayCee

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.

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Miscellaneous Analytes

Analysis

SM 18/19/20thED 4500-Cl F - Analyst: K. Storck

Method Number 20015003

	Result Units	Assigned Value	Accept.	Z	Evaluation
Total residual chlorine 1, 3, 4 1940 / I-033 - Lot 012575 /Analyst: KLS/ Analysis Date: 5/5/09	0.70 mg/L	0.66	0.484 to 0.840	0.64	Acceptable

End of WP09-1KLS



Sample Information

Total Residual Chlorine

PEI-033 / Lot {EncryptedLotCode}

	Units	Assigned Value	Study Mean	Study Std. Dev.	Gravimetric Value
Total residual chlorine 1940 Miscellaneous Analytes	mg/L	0.66	0.66	0.06	0.667 ±

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