



Hazen Research, Inc.
4601 Indiana Street
Golden, CO 80403 USA
Tel: (303) 279-4501
Fax: (303) 278-1528

Lab Control ID: 25H02108

Received: May 19, 2025

Reported: Jun 26, 2025

Purchase Order No.

None Received

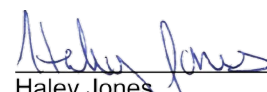
Customer ID: 05377Z
Account ID: Z01034

Rebecca Bertke
Colorado Analytical Laboratories, Inc.
10411 Heinz Way
Commerce City, CO 80640

ANALYTICAL REPORT

*Report may only be copied in its entirety.
Results reported herein relate only to discrete samples
submitted by the client. Hazen Research, Inc. does not warrant
that the results are representative of anything other than the
samples that were received in the laboratory*

Reviewed and approved by:


Haley Jones
Analytical QA Manager

Customer ID: 05377Z
 Account ID: Z01034

ANALYTICAL REPORT

Rebecca Bertke
 Colorado Analytical Laboratories, Inc.

Lab Sample ID			25H02108-001					
Customer Sample ID			250516116-01 - Perry Park Water & Sanitation - PWSID: CO0118045 - 009 sampled on 05/16/25 @ 1140					
Parameter	Units	Code	Result	Precision* +/-	Detection Limit	Method	Analysis Date / Time	Analyst
Radium-226	pCi/L	T	1.5	0.4	0.2	SM 7500-Ra B	06/06/25 @ 0912	KT
Radium-228	pCi/L	T	2.5	0.7	0.2	EPA pg.19	06/16/25 @ 1453	JR

Certification ID's: CO/EPA CO00008

*Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.

Codes: (T) = Total (D) = Dissolved (S) = Suspended (R) = Replicate Sample (AR) = As Received < = Less Than

HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY

Date: 06/06/2025

Batch QC Summary Form

Analyte: Radium-226

Control Standard/LFB: ID: C73-009 pCi/mL: 10.55 (use 2 diluted)

Spike Solution: ID: C73-009 pCi/mL: 10.55 (use 2 mL)

Spike Recovery Calculation: Sample: 25H02118-01b

$$\text{Calculation: } \frac{(22.8) (1.000) - (0.6) (1.000)}{21.1} \times 100 = 105\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 20 %	x		
Spike Recovery	80 - 120 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap	x		

* Required for batch size greater than 10 samples.

Conclusions:

 x Batch QC Passes**
 Batch QC Fails
 Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluated in this report.

Batch Listing by Lab Control Number:

25H02017	_____
25H02108	_____
25H02118	_____
25H02120	_____
25H02121	_____
25H02123	_____
25H02138	_____
25H02139	_____
_____	_____
_____	_____

Evaluator:

 _____

06/13/2025

Date

HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY

Date: 06/16/2025

Batch QC Summary Form

Analyte: Radium-228

Control Standard/LFB: ID: C6-010 pCi/mL: 14.1 (use 5 diluted)

Spike Solution: ID: C6-010 pCi/mL: 14.1 (use 5 mL)

Spike Recovery Calculation: Sample: 25H02120-2d

$$\text{Calculation: } \frac{(66.6) (1.000) - (0.1) (1.000)}{70.5} \times 100 = 94.3\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 20 %	x		
Spike Recovery	80 - 120 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap			x

* Required for batch size greater than 10 samples.

Conclusions:

 x Batch QC Passes**
 Batch QC Fails
 Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluated in this report.

Batch Listing by Lab Control Number:

25H02106	_____
25H02108	_____
25H02120	_____
25H02123	_____
25H02138	_____
25H02139	_____
25H02156	_____
25H02157	_____
_____	_____
_____	_____

Evaluator:

 _____

06/25/2025

Date



25H 02108

Ship To: Hazen Research
Preserved: Y N
HNO3 Lot #: 2024040929
Date Preserved: 5/16/25

LABORATORIES, INC.

Report To Information		Bill To Information: (if different from report to)		Project Name	
Company Name <u>Colorado Analytical Laboratory</u>				<u>CO0118045 Perry Park Water & Sanitation</u>	
Report To: <u>Rebecca Bertke</u>					
E-Mail: <u>rebeccabertke@coloradolab.com</u>					
Address:		Address:		Compliance Samples: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<u>10411 Heinz Way</u>				Submit Data to CDPHE: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
<u>Commerce City, CO 80640</u>		CAL TASK <u>250516116</u> KES			
Phone: <u>303-659-2313</u>					

Tests Requested

Sample Date/Time	Sample ID	Matrix	Container Type											
5/16/25 11:40 AM	250516116-01 - EP - SP ID: 009 / Fac ID: 009	Water - Drinking	4 - 1L - HNO3											
Comment:														

Radiation Checked Date: 5/16/25 Time: 11:40
Air Bubbles? NO YES ☒ X1 YES ☒ X2
Headspace? NO YES ☒ X1 YES ☒ X2
Initial 11.6 Date: 5/16/25
pH Check and Preservation Acid Lot # 11.6
Initial pH check date: 5/16/25 Time: 11:40
2nd pH check date: 5/16/25 Time: 12:17
Final pH 2 Preserved by: QZ

Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:
<u>11.6</u>	<u>5/16/25 0915</u>	<u>11.6</u>	<u>5/16/25 15:50</u>				