



Hazen Research, Inc.
4601 Indiana Street
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Tel: (303) 279-4501
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Lab Control ID: 25H01241
Received: Feb 03, 2025
Reported: Mar 07, 2025
Purchase Order No.
None Received

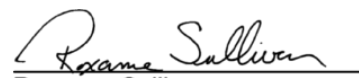
Customer ID: 05377Z
Account ID: Z01034

Rebecca Manzanares
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:


Roxanne Sullivan
Analytical Laboratories Director



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ANALYTICAL REPORT

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 Colorado Analytical Laboratories, Inc.

Lab Sample ID			25H01241-001					
Customer Sample ID			250130025-01 - Perry Park Water & Sanitation - PWSID: CO0118045 - 009 sampled on 01/30/25 @ 1007					
Parameter	Units	Code	Result	Precision* +/-	Detection Limit	Method	Analysis Date / Time	Analyst
Radium-226	pCi/L	T	0.9	0.4	0.1	SM 7500-Ra B	02/14/25 @ 0938	KT
Radium-228	pCi/L	T	2.1	0.6	0.2	EPA pg.19	02/21/25 @ 1407	KR

Certification ID's: CO/EPA CO00008

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

Sample required filtering for radium-228 analysis.

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

Batch QC Summary Form

Analyte: Radium-226

Control Standard/LFB: ID: C73-008 pCi/mL: 10.55 (use 2 diluted)

Spike Solution: ID: C73-008 pCi/mL: 10.55 (use 2 mL)

Spike Recovery Calculation: Sample: 25H01218-02b

$$\text{Calculation: } \frac{(19.4) (1.000) - (0.1) (1.000)}{21.1} \times 100 = 91\%$$

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:

25H01218 _____
25H01219 _____
25H01231 _____
25H01232 _____
25H01240 _____
25H01241 _____
25H01250 _____

Evaluator:
 _____

02/20/2025

 Date

Batch QC Summary Form

Analyte: Radium-228

Control Standard/LFB: ID: C6-009 pCi/mL: 14.2 (use 5 diluted)

Spike Solution: ID: C6-009 pCi/mL: 14.2 (use 5 mL)

Spike Recovery Calculation: Sample: 25H01240-1b

$$\text{Calculation: } \frac{(67.5) (1.000) - (2.3) (1.000)}{71} \times 100 = 91.8\%$$

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:

25H01232 _____
25H01240 _____
25H01241 _____
25H01250 _____
25H01251 _____
25H01263 _____
25H01264 _____

Evaluator:
 _____

_____ 03/06/2025
 Date

