



# ANALYTICAL SUMMARY REPORT

May 20, 2019

Skyline Ranch Improvement Service Dist  
PO Box 3601  
Jackson, WY 83001

Work Order: C19050631  
Project Name: WY5600217

Energy Laboratories, Inc. Casper WY received the following 1 sample for Skyline Ranch Improvement Service Dist on 5/15/2019 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C19050631-001	ST02 SP03	05/14/19	10:05 05/15/19	Drinking Water	Nitrogen, Nitrate + Nitrite

The analyses presented in this report were performed by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these test results, please contact your Project Manager .

Report Approved By:

  
Project Manager

Digitally signed by  
Alyson T. Degnan  
Date: 2019.05.20 13:59:44 -06:00



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### LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

**Client:** Skyline Ranch Improvement Service Dist

**Client Sample ID:** ST02 SP03

**PWS #:** WY5600217 **Name:** SKYLINE RANCH I&S DISTRICT

**Facility ID:** ST02

**SamplingPoint/Location:** SP03 / ST02 SP03

**Project ID:** WY5600217

**Collector's Name:** Emily Hanner

**Contact Phone #:**

**Compliance Sample:** YES

**Sample Type:** RT

**Lab ID:** C19050631-001

**Report Date:** 05/20/19

**Collection Date:** 05/14/19 10:05

**Date Received:** 05/15/19

**Matrix:** Drinking Water

**Federal ID#:** WY00002

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>NUTRIENTS</b>							
1038 Nitrogen, Nitrate+Nitrite as N	0.28	mg/L		0.01	10	E353.2	05/16/19 12:17 / dmb

**Report** RL - Analyte reporting limit.  
**Definitions:** QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



## QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Skyline Ranch Improvement Service Dist

Work Order: C19050631

Report Date: 05/17/19

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
<b>Method: E353.2</b>										
Analytical Run: FIA201-C_190516B										
<b>Lab ID: ICV</b>		Initial Calibration Verification Standard								
Nitrogen, Nitrate+Nitrite as N		0.993	mg/L	0.010	99	90	110			05/16/19 10:09
<b>Method: E353.2</b>										
Batch: R246810										
<b>Lab ID: MBLK</b>		Method Blank								
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.010						05/16/19 10:10
<b>Lab ID: LFB</b>										
Laboratory Fortified Blank										
Nitrogen, Nitrate+Nitrite as N		1.01	mg/L	0.010	102	90	110			05/16/19 10:11
<b>Lab ID: C19050621-001CMS</b>										
Sample Matrix Spike										
Nitrogen, Nitrate+Nitrite as N		1.04	mg/L	0.010	101	90	110			05/16/19 12:12
<b>Lab ID: C19050621-001CMSD</b>										
Sample Matrix Spike Duplicate										
Nitrogen, Nitrate+Nitrite as N		1.05	mg/L	0.010	102	90	110	1.0	10	05/16/19 12:13

**Qualifiers:**

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



# Work Order Receipt Checklist

Skyline Ranch Improvement Service Dist      C19050631

Login completed by: Casie C. Peppersack  
Reviewed by: Kasey Vidick  
Reviewed Date: 5/16/2019

Date Received: 5/15/2019  
Received by: met  
Carrier name: Ground

- Shipping container/cooler in good condition?      Yes       No       Not Present
- Custody seals intact on all shipping container(s)/cooler(s)?      Yes       No       Not Present
- Custody seals intact on all sample bottles?      Yes       No       Not Present
- Chain of custody present?      Yes       No
- Chain of custody signed when relinquished and received?      Yes       No
- Chain of custody agrees with sample labels?      Yes       No
- Samples in proper container/bottle?      Yes       No
- Sample containers intact?      Yes       No
- Sufficient sample volume for indicated test?      Yes       No
- All samples received within holding time?  
(Exclude analyses that are considered field parameters  
such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)      Yes       No
- Temp Blank received in all shipping container(s)/cooler(s)?      Yes       No       Not Applicable
- Container/Temp Blank temperature:      9.6°C Melted Ice
- Water - VOA vials have zero headspace?      Yes       No       No VOA vials submitted
- Water - pH acceptable upon receipt?      Yes       No       Not Applicable

## Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as -dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

## Contact and Corrective Action Comments:

None



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# Chain of Custody & Analytical Request Record

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Page \_\_\_\_ of \_\_\_\_

### Account Information (Billing Information)

Company Name: Skopine FSD  
 Contact: Carly Schipper  
 Phone: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Email: office@skopine ranchisd.com  
 Receive Invoice:  Hard Copy  Email  
 Receive Report:  Hard Copy  Email  
 Purchase Order: \_\_\_\_\_  
 Quote: \_\_\_\_\_  
 Bottle Order: \_\_\_\_\_

### Report Information (If different than Account Information)

Company Name: Clearwater operations  
 Contact: Emily Hansen  
 Phone: 307-690-5512  
 Mailing Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Email: clearwateroperations@gmail.com  
 Receive Report:  Hard Copy  Email  
 Special Report/Format: \_\_\_\_\_  
 LEVEL IV  NELAC  EDD/EDI (contact laboratory)  Other \_\_\_\_\_

### Comments

\_\_\_\_\_

### Project Information

Project Name, PWSID, Permit, etc.: WY S600271  
 Sampler Name: Smilghman Sampler Phone: 690-5512  
 Sample Origin State: WY EPA/State Compliance:  Yes  No  
 URANIUM MINING CLIENTS MUST indicate sample type.  
 NOT Source or Byproduct Material  
 Source/Processed Ore (Ground or Refined) \*\*CALL BEFORE SENDING  
 11e, (2) Byproduct Material (Can ONLY be Submitted to ELL Casper Location)

### Matrix Codes

- A - Air
- W - Water
- S - Soil/Solids
- V - Vegetation
- B - Biosessy
- O - Other
- DW - Drinking Water

### Analysis Requested

Nitrates

See Attached

All turnaround times are standard unless marked as RUSH.  
 Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling - See Instructions Page

Sample Identification (Name, Location, Interval, etc.)	Collection		Number of Containers	Matrix (See Codes)	Analysis Requested				Signature
	Date	Time			CC	Cash	Check	Amount	
1 S102 SP03	5/14/19	10:05	1	DW	X				
2									
3									
4									
5									
6									
7									
8									
9									
10									

Custody Record MUST be signed

Relinquished by (print): Emily Hansen Date/Time: 5/14/19 Signature: \_\_\_\_\_

Relinquished by (print): \_\_\_\_\_ Date/Time: \_\_\_\_\_ Signature: \_\_\_\_\_

Received by Laboratory (print): Emily Hansen Date/Time: 5/15/19 11:09 Signature: \_\_\_\_\_

Received by (print): \_\_\_\_\_ Date/Time: \_\_\_\_\_ Signature: \_\_\_\_\_

Payment Type: \_\_\_\_\_ Amount: \$ \_\_\_\_\_

Receipt Number (cash/check only): \_\_\_\_\_

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

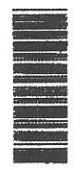


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# BOTTLE ORDER 58209

C190520631



## SHIPPED TO: Clearwater Operations

Contact: Emily Hanner

4218 W. 9600 South

Victor ID 83455

Phone: (307) 690-9557

Project: Nitrates

Order Created by: Tessa Parke

Shipped From: Casper, WY

Ship Date: 4/30/2019

VIA: Ground

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
<b>(4 Sets)</b>							
250 mL Plastic	1	E353.2	Nitrogen, Nitrate + Nitrite		<input type="checkbox"/> H2SO4		1

- HNO3 - Nitric Acid       H2SO4 - Sulfuric Acid       NaOH - Sodium Hydroxide
- ZnAc - Zinc Acetate       HCl - Hydrochloric Acid       H3PO4 - Phosphoric Acid

We strongly suggest that the samples are shipped the same day as they are collected.

### Material Safety Data Sheets(MSDS) Available @ EnergyLab.com -> Services -> MSDS Sheets

Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.

Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.