



Silver State Labs-Reno
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400 FAX: (888) 398-7002
www.ssalabs.com

April 10, 2019
Workorder **19031431**

Jay Flakus
CITY OF YERINGTON
102 South Main Street
Yerington, NV 89447

Project: LY-0255-C 2019 Q1 / DS01 Arsenic

Dear Jay Flakus:

It is the policy of Silver State Analytical Laboratory - Reno to strictly adhere to a comprehensive Quality Assurance Plan that ensures the data presented in this report are both accurate and precise. Silver State Analytical Laboratory - Reno maintains accreditation in the State of Nevada (NV-00015) and the State of California (ELAP 2990).

The data presented in this report was obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with an appropriate explanation in the Analysis Report section of the Laboratory Report.

Sincerely,

Carly Wood
Laboratory Director
1135 Financial Blvd
Reno, NV 89502



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 Reno, NV 89502
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Analytical Report

Workorder#: 19031431
 Date Reported: 4/10/2019

Client: CITY OF YERINGTON
Project Name: LY-0255-C 2019 Q1 / DS01 Arsenic
PO #:

Sampled By Jay Flakus

Laboratory Accreditation Number NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
19031431-01	DS01 Arsenic	03/29/2019 10:40	3/29/2019

Parameter	Method	Result	Units	MCL	Analyst	Date/Time Analyzed	Data Flag
Arsenic	EPA 200.8	0.005	mg/L	0.01	KL	04/06/2019 0:21	
Digestion Turbidity Check	EPA 200.8	< 1.0	NTU		KL	04/04/2019 11:47	

Original

Analysis: Metals 200.8

Method: EPA 200.8

Batch ID: R27880

Method Blank

RunID: 27880 SeqNo 636460 Units: mg/L

Analysis Date: 4/5/2019 11:14:49 PM Analyst: KL

Analyte	Result	Rep Limit	Rep Qual
Arsenic	< 0.0010	0.0010	

Laboratory Control Sample (LCS)

RunID: 27880 SeqNo 636359 Units: mg/L

Analysis Date: 4/5/2019 10:18:59 AM Analyst: KL

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Arsenic	0.1000	0.10	99.5								

Laboratory Control Sample (LCS)

RunID: 27880 SeqNo 636401 Units: mg/L

Analysis Date: 4/5/2019 3:54:46 PM Analyst: KL

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Arsenic	0.1000	0.099	98.7								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 19040143-01B

RunID: 27880 SeqNo 636475 Units: mg/L

Analysis Date: 4/6/2019 12:54:28 AM Analyst: KL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Arsenic	0.003076	1.000	1.1	113	1.000	1.2	117	3.10	20	70	130	



SilverState Analytical Laboratories
Sierra Environmental Monitoring
EnviroTech

sem-analytical.com envirotechonline.com

3626 E. SUNSET RD., STE 100, LAS VEGAS, NV 89120
Phone (702) 873-4478 Fax: (702) 873-7967 (EPA#: NV00930, CA2885)
190331431
1135 FINANCIAL BOULEVARD, RENO, NV 89502
Phone (775) 857-2400 Fax: (888) 398-7002 (EPA#: NV00015, CA2526)

CHAIN-OF-CUSTODY-RECORD

Page 1 of 1

Report Results To:

Report Attention: Jay Flakus, Public Works Director
Project Number:
Company: City of Yerington Nevada - Public Works
Mailing Address: 102 S Main Street
City, State, Zip: Yerington, NV 89447
Phone: 775-302-1155 Email / Fax: jayf@yerington.net

Send Invoice To:

Invoice Attention: Jay Flakus
PO# OPEN
Quote #
Company: City of Yerington Nevada - Public Works
Mailing Address: 102 S Main Street
City, State, Zip: Yerington, NV 89447
Phone: 775-302-1155 Email / Fax: jayf@yerington.net

Sampled by: **JAY FLAKUS**
Signature: *[Signature]*

ANALYSES REQUESTED

I attest to the validity and authenticity of the sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time is considered fraud and may be grounds for legal action.

Standard: Standard TAT 7-10 Business Days. Note that some tests vary.
Rush
Same Day: 3 Day: Other (specify):
1 Day: 4 Day: Rush results will be issued after 4:00 p.m.
2 Day: 5 Day:
NOTE: A Rush Surcharge is applied for rush samples

Other Pertinent Information / Special Instructions
LY-0255-C

Comp.	Matrix	Preservative**
G	DW	Z

Number / Type of Containers ***
1P X ARSENIC

Field Measurements	On-Site pH:	Chlorine:	Temperature:	Other:

Send Invoice Via: Mail: Email: Fax:
Send Results Via: Mail: Email: Fax:
QC Level Report: I II III IV
NOTE: Surcharges apply to Level II, III and IV reports

Date Sampled	Time Sampled	Sample Identification	SSAL - SEM Lab No.	Comp.	Matrix	Preservative**	Number / Type of Containers ***	Field Measurements	On-Site pH:	Chlorine:	Temperature:	Other:	
3/29/19	1040	DS01 ARSENIC		G	DW	Z	1P X						Replacement bottle.
													130L

Signature	Print Name	Company	Date	Time
<i>[Signature]</i>	JAY FLAKUS	City of Yerington, NV	3/29/2019	1040
<i>[Signature]</i>	MONTY STRAUER	City of Yerington, NV	3/29/2019	1040
<i>[Signature]</i>	Alex Benitez	City of Yerington, NV	3/29/2019	1300
<i>[Signature]</i>	Jay Flakus, Public Works Director	City of Yerington, NV	3/29/2019	1015

Authorization is required to process samples. This obligates your organization for service fees. SSAL Standard I & Cs or other written agreement applies. If collections or legal services are required to recover said fees, your organization will be responsible for all fees and costs in addition to service fees.

Matrix: DW-Drinking Water, WW-Waste Water, GW-Ground Water, SW-Surface Water, SS-Soil, S-Solid, OT-Other
Preservative: 1=H₂SO₄, 2=HNO₃, 3=HCl, 4=NaOH, 5=Na₂S₂O₃, 6=None, 7=Other



are reported unless other arrangements are made and storage fees may apply.
C apply only to these samples as they are received by the laboratory.
mount paid for the report.
Container: P-Plastic, G-Glass, V-Voa Vial, OT-Other

Report Results To:

Report Attention: Jay Flakus, Public Works Director
Project Number:
Company: City of Yerington Nevada - Public Works
Mailing Address: 102 S Main Street
City, State, Zip: Yerington, NV 89447
Phone: 775-302-1155
Email / Fax: jayf@yerington.net

Send Invoice To:

Invoice Attention: Jay Flakus
PO# OPEN
Quote #
Company: City of Yerington Nevada - Public Works
Mailing Address: 102 S Main Street
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Phone: 775-302-1155
Email / Fax: jayf@yerington.net

Sampled by: **JAY FLAKUS**
Signature: *[Signature]*

ANALYSES REQUESTED

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Standard: Standard TAT 7-10 Business Days. Note that some tests vary.
Rush
Same Day: 3 Day: Other (specify):
1 Day: 4 Day: Rush results will be issued after 4:00 p.m.
2 Day: 5 Day:
NOTE: A Rush Surcharge is applied for rush samples

Other Pertinent Information / Special Instructions
LY-0255-C
2019 Q1 ARSENIC

Date Sampled	Time Sampled	Sample Identification	SSAL - SEM Lab No.	Comp. Grab	Matrix	Preservative**	Number / Type of Containers ***
3/28/19	0918	DS01 ARSENIC		GDW		1	X ARSENIC

Field Measurements
On-Site pH: Chlorine:
Temperature: Other:

COMPLIANCE MONITORING?
Yes No
NEW ADDRESS? Results: Invoice:
Applicable Program
SDWA CWA RCRA
Mining Other _____
QC Level Report
I II III IV
Send Results Via:
Mail: Email: Fax:
Send Invoice Via:
Mail: Email: Fax:

Relinquished By:	Signature	Print Name	Company	Date	Time
Received By:	<i>[Signature]</i>	JAY FLAKUS	City of Yerington, NV	3/28/19	1507
Relinquished By:	<i>[Signature]</i>	JAY FLAKUS	City of Yerington, NV	3/28/19	1309
Received By:	<i>[Signature]</i>	Mark Stanton	City of Yerington, NV	3/28/19	1620
Relinquished By:	<i>[Signature]</i>	J. HANSTON	City of Yerington, NV	3.28.19	1622
Received By:	<i>[Signature]</i>	Jay Flakus, Public Works Director	City of Yerington, NV	3/28/19	1307

Authorization is required to process samples. This obligates your organization for service fees, SSAL Standard T & Cs or other written agreement applies. If collections or legal services are required to recover said fees, your organization will be responsible for all fees and costs in addition to service fees.

Matrix* DW-Drinking Water, WW-Waste Water, GW-Ground Water, SW-Surface Water, SS-Soil, S-Solid, OT-Other
Preservative** 1=H₂SO₄, 2=HNO₃, 3=HCl, 4=NaOH, 5=Na₂S₂O₃, 6=None, 7=Other

City of Yerington NV - SDW
2019 Compliance Monitoring
19007

*Its are reported unless other arrangements are made and storage fees may apply.
COC apply only to these samples as they are received by the laboratory.
The amount paid for the report.

Container*** P-Plastic, G-Glass, V-Voal, OT-Other

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Definitions & Qualifiers

WO#: 19031431

Date: 4/10/2019

Definitions:

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: LCS Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: Matrix Spike Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

RPD: Relative Percent Difference; comparison between sample and duplicate and/or MS and MSD.

PQL: Practical Quantitation Limit; the limit to which data is quantitated for reporting.

MDL: Method Detection Limit; the limit to which the instrument can reliably detect.

MCL: Maximum Contaminant Level; value set according to EPA guidelines.

Qualifiers:

* - Analyte exceeds Safe Drinking Water Act MCL, does not meet drinking water standards.

C - Analyte value below Safe Drinking Water Act MCL, does not meet drinking water standards.

B - Analyte found above the PQL in associated method blank.

G - Calibration blank analyte detected above PQL.

H - Sample analyzed beyond holding time for this parameter.

J - Estimated Value; Analyte found between MDL and PQL limits.

L - Sample concentration is at least 5 times greater than spike contribution. Spike recovery criteria do not apply.

R - RPD between sample and duplicate sample outside the RPD acceptance limits.

S - Batch MS and/or MSD were outside acceptance limits, batch LCS was acceptable.

W - Sample temperature when received was out of limit as specified by method.