



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

July 02, 2019
Workorder 19061132

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

Project: DS01 Arsenic (35 Whiteface)

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



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

Analytical Report

Workorder#: 19061132
 Date Reported: 7/2/2019

Client: CITY OF YERINGTON
Project Name: DS01 Arsenic (35 Whiteface)
PO #:

Sampled By John Campi

Laboratory Accreditation Number NV015/CA2990

| Laboratory ID | Client Sample ID | Date/Time Sampled | Date Received |
|---------------|-----------------------------|-------------------|---------------|
| 19061132-01 | DS01 Arsenic (35 Whiteface) | 06/19/2019 13:42 | 6/19/2019 |

| Parameter | Method | Result | Units | MCL | Analyst | Date/Time Analyzed | Data Flag |
|---------------------------|-----------|--------|-------|------|---------|--------------------|-----------|
| Arsenic | EPA 200.8 | 0.004 | mg/L | 0.01 | JF | 06/20/2019 18:22 | |
| Digestion Turbidity Check | EPA 200.8 | <1 | NTU | | JF | 06/20/2019 11:58 | |

Analysis: Metals 200.8

Method: EPA 200.8

Batch ID: R30506

Method Blank

RunID: 30506 SeqNo 700499 Units: mg/L

Analysis Date: 6/20/2019 4:02:46 PM Analyst: JF

| Analyte | Result | Rep Limit | Rep Qual |
|---------|----------|-----------|----------|
| Arsenic | < 0.0010 | 0.0010 | |

Laboratory Control Sample (LCS)

RunID: 30506 SeqNo 700498 Units: mg/L

Analysis Date: 6/20/2019 3:56:07 PM Analyst: JF

| 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 | 99.1 | | | | | | | | |

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

Sample Spiked: 19061152-01A

RunID: 30506 SeqNo 700503 Units: mg/L

Analysis Date: 6/20/2019 4:29:20 PM Analyst: JF

| 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 | 0.006781 | 0.1000 | 0.11 | 103 | 0.1000 | 0.11 | 103 | 0.461 | 20 | 70 | 130 | |



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

Definitions & Qualifiers

WO#: 19061132

Date: 7/2/2019

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.