

6/10/2020

Washoe County Water ResourcesCSD
PO Box 11130
Reno, NV 89502
Attn: Ben Jesch

OrderID: 20050800

Dear: Ben Jesch

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, online edition, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 5/28/2020. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,



Andy Smith
Lab Manager

SPARKS

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fax (775) 355-0817
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EPA LAB ID: NV00932

Western Environmental Testing Laboratory

Report Comments

Washoe County Water Resources CSD - 20050800

Specific Report Comments

None

Report Legend

- B -- Blank contamination; Analyte detected above the method reporting limit in an associated blank
- D -- Due to the sample matrix dilution was required in order to properly detect and report the analyte. The reporting limit has been adjusted accordingly.
- HT -- Sample analyzed beyond the accepted holding time
- J -- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit. The reported result should be considered an estimate.
- K -- The TPH Diesel Concentration reported here likely includes some heavier TPH Oil hydrocarbons reported in the TPH Diesel range as per EPA 8015.
- L -- The TPH Oil Concentration reported here likely includes some lighter TPH Diesel hydrocarbons reported in the TPH Oil range as per EPA 8015.
- M -- The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of this parameter were outside acceptance criteria due to probable matrix interference. The reported result should be considered an estimate.
- N -- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
- NC -- Not calculated due to matrix interference
- QD -- The sample duplicate or matrix spike duplicate analysis demonstrated sample imprecision. The reported result should be considered an estimate.
- QL -- The result for the laboratory control sample (LCS) was outside WETLAB acceptance criteria and reanalysis was not possible. The reported data should be considered an estimate.
- S -- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
- SC -- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered
- U -- The analyte was analyzed for, but was not detected above the level of the reported sample reporting/quantitation limit. The reported result should be considered an estimate.

General Lab Comments

Per method recommendation (section 4.4), Samples analyzed by methods EPA 300.0 and EPA 300.1 have been filtered prior to analysis.

The following is an interpretation of the results from EPA method 9223B:

A result of zero (0) indicates absence for both coliform and Escherichia coli meaning the water meets the microbiological requirements of the U.S. EPA Safe Drinking Water Act (SDWA). A result of one (1) for either test indicates presence and the water does not meet the SDWA requirements. Waters with positive tests should be disinfected by a certified water treatment operator and retested.

Per federal regulation the holding time for the following parameters in aqueous/water samples is 15 minutes: Residual Chlorine, pH, Dissolved Oxygen, Sulfite.

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Western Environmental Testing Laboratory

Analytical Report

Washoe County Water ResourcesCSD

Date Printed: 6/10/2020

PO Box 11130

OrderID: 20050800

Reno, NV 89502

Attn: Ben Jesch

Phone: (775) 954-4612 Fax: NoFax

PO\Project: Swan Lake

Customer Sample ID: Swan Lake-Compton

Collect Date/Time: 5/28/2020 14:15

WETLAB Sample ID: 20050800-001

Receive Date: 5/28/2020 14:45

| Analyte | Method | Results | Units | DF | RL | Analyzed | LabID |
|--|-------------------------|------------|-----------|----|--------|-----------|---------|
| <u>General Chemistry</u> | | | | | | | |
| Total Phosphorous as P | SM 4500-P E | 0.72 | mg/L | 1 | 0.020 | 5/29/2020 | NV00925 |
| Total Nitrogen | Calc. | 3.6 | mg/L | 1 | 1.4 | 6/3/2020 | NV00925 |
| Total Dissolved Solids (TDS) | SM 2540C | 1200 | mg/L | 1 | 25 | 5/29/2020 | NV00925 |
| <u>Microbiological Analyses</u> | | | | | | | |
| Fecal Coliform (MPN) | IDEXX Quant/Colilert-18 | 82.8 | MPN/100ml | 2 | 2.0 | 5/28/2020 | NV00925 |
| Total Coliform (MPN) | SM 9223B (Quantitray) | 4839.2 | MPN/100ml | 2 | 2.0000 | 5/28/2020 | NV00925 |
| Escherichia Coli (MPN) | SM 9223B (Quantitray) | 31.2 | MPN/100ml | 2 | 2.0 | 5/28/2020 | NV00925 |
| <u>Anions by Ion Chromatography</u> | | | | | | | |
| Fluoride | EPA 300.0 | ND | D,U mg/L | 5 | 1.0 | 5/29/2020 | NV00925 |
| Nitrate Nitrogen | EPA 300.0 | ND | D mg/L | 5 | 0.75 | 5/29/2020 | NV00925 |
| Nitrite Nitrogen | EPA 300.0 | ND | D mg/L | 5 | 0.30 | 5/29/2020 | NV00925 |
| <u>Flow Injection Analyses</u> | | | | | | | |
| Total Kjeldahl Nitrogen | EPA 351.2 | 3.6 | mg/L | 1 | 0.40 | 6/3/2020 | NV00925 |
| <u>Trace Metals by ICP-OES</u> | | | | | | | |
| Beryllium | EPA 200.7 | ND | mg/L | 1 | 0.0010 | 6/4/2020 | NV00925 |
| Boron | EPA 200.7 | 0.46 | mg/L | 1 | 0.10 | 6/4/2020 | NV00925 |
| Cadmium | EPA 200.7 | ND | mg/L | 1 | 0.0010 | 6/4/2020 | NV00925 |
| Chromium | EPA 200.7 | ND | mg/L | 1 | 0.0050 | 6/4/2020 | NV00925 |
| Copper | EPA 200.7 | ND | mg/L | 1 | 0.040 | 6/4/2020 | NV00925 |
| Iron | EPA 200.7 | 6.6 | mg/L | 1 | 0.10 | 6/4/2020 | NV00925 |
| Manganese | EPA 200.7 | 0.49 | mg/L | 1 | 0.010 | 6/4/2020 | NV00925 |
| Nickel | EPA 200.7 | ND | mg/L | 1 | 0.030 | 6/4/2020 | NV00925 |
| Zinc | EPA 200.7 | 0.052 | mg/L | 1 | 0.020 | 6/4/2020 | NV00925 |
| <u>Trace Metals by ICP-MS</u> | | | | | | | |
| Arsenic | EPA 200.8 | 0.046 | mg/L | 1 | 0.0050 | 6/2/2020 | NV00925 |
| Lead | EPA 200.8 | 0.0034 | mg/L | 1 | 0.0025 | 6/2/2020 | NV00925 |
| Selenium | EPA 200.8 | ND | mg/L | 1 | 0.0050 | 6/2/2020 | NV00925 |
| <u>Sample Preparation</u> | | | | | | | |
| Trace Metals Digestion | EPA 200.2 | W200601-2B | | 1 | | 6/1/2020 | NV00925 |

DF=Dilution Factor, RL = Reporting Limit (minimum 3X the MDL), ND = Not Detected <RL or <MDL (if listed)

Page 3 of 9

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 EPA LAB ID: NV00932

Customer Sample ID: Swan Lake-Pompe

Collect Date/Time: 5/28/2020 14:00

WETLAB Sample ID: 20050800-002

Receive Date: 5/28/2020 14:45

| Analyte | Method | Results | Units | DF | RL | Analyzed | LabID |
|-------------------------------------|-------------------------|------------|-----------|----|--------|-----------|---------|
| General Chemistry | | | | | | | |
| Total Phosphorous as P | SM 4500-P E | 0.75 | mg/L | 1 | 0.020 | 5/29/2020 | NV00925 |
| Total Nitrogen | Calc. | 3.5 | mg/L | 1 | 1.4 | 6/3/2020 | NV00925 |
| Total Dissolved Solids (TDS) | SM 2540C | 1000 | mg/L | 1 | 25 | 5/29/2020 | NV00925 |
| Microbiological Analyses | | | | | | | |
| Fecal Coliform (MPN) | IDEXX Quant/Colilert-18 | 37.9 | MPN/100ml | 1 | 1.0 | 5/28/2020 | NV00925 |
| Total Coliform (MPN) | SM 9223B (Quantitray) | 2419.6 | MPN/100ml | 1 | 1.0 | 5/28/2020 | NV00925 |
| Escherichia Coli (MPN) | SM 9223B (Quantitray) | 42.0 | MPN/100ml | 1 | 1.0 | 5/28/2020 | NV00925 |
| Anions by Ion Chromatography | | | | | | | |
| Fluoride | EPA 300.0 | ND | D,U mg/L | 5 | 1.0 | 5/29/2020 | NV00925 |
| Nitrate Nitrogen | EPA 300.0 | ND | D mg/L | 5 | 0.75 | 5/29/2020 | NV00925 |
| Nitrite Nitrogen | EPA 300.0 | ND | D mg/L | 5 | 0.30 | 5/29/2020 | NV00925 |
| Flow Injection Analyses | | | | | | | |
| Total Kjeldahl Nitrogen | EPA 351.2 | 3.5 | mg/L | 1 | 0.40 | 6/3/2020 | NV00925 |
| Trace Metals by ICP-OES | | | | | | | |
| Beryllium | EPA 200.7 | ND | mg/L | 1 | 0.0010 | 6/4/2020 | NV00925 |
| Boron | EPA 200.7 | 0.43 | mg/L | 1 | 0.10 | 6/4/2020 | NV00925 |
| Cadmium | EPA 200.7 | ND | mg/L | 1 | 0.0010 | 6/4/2020 | NV00925 |
| Chromium | EPA 200.7 | ND | mg/L | 1 | 0.0050 | 6/4/2020 | NV00925 |
| Copper | EPA 200.7 | ND | mg/L | 1 | 0.040 | 6/4/2020 | NV00925 |
| Iron | EPA 200.7 | 3.8 | mg/L | 1 | 0.10 | 6/4/2020 | NV00925 |
| Manganese | EPA 200.7 | 0.14 | mg/L | 1 | 0.010 | 6/4/2020 | NV00925 |
| Nickel | EPA 200.7 | ND | mg/L | 1 | 0.030 | 6/4/2020 | NV00925 |
| Zinc | EPA 200.7 | 0.020 | mg/L | 1 | 0.020 | 6/4/2020 | NV00925 |
| Trace Metals by ICP-MS | | | | | | | |
| Arsenic | EPA 200.8 | 0.038 | mg/L | 1 | 0.0050 | 6/2/2020 | NV00925 |
| Lead | EPA 200.8 | ND | mg/L | 1 | 0.0025 | 6/2/2020 | NV00925 |
| Selenium | EPA 200.8 | ND | mg/L | 1 | 0.0050 | 6/2/2020 | NV00925 |
| Sample Preparation | | | | | | | |
| Trace Metals Digestion | EPA 200.2 | W200601-2B | | 1 | | 6/1/2020 | NV00925 |

Customer Sample ID: Swan Lake-Jean

Collect Date/Time: 5/28/2020 13:40

WETLAB Sample ID: 20050800-003

Receive Date: 5/28/2020 14:45

| Analyte | Method | Results | Units | DF | RL | Analyzed | LabID |
|---------------------------------|-------------------------|---------|-----------|----|-------|-----------|---------|
| General Chemistry | | | | | | | |
| Total Phosphorous as P | SM 4500-P E | 0.64 | mg/L | 1 | 0.020 | 5/29/2020 | NV00925 |
| Total Nitrogen | Calc. | 2.5 | mg/L | 1 | 1.4 | 6/3/2020 | NV00925 |
| Total Dissolved Solids (TDS) | SM 2540C | 1000 | mg/L | 1 | 25 | 5/29/2020 | NV00925 |
| Microbiological Analyses | | | | | | | |
| Fecal Coliform (MPN) | IDEXX Quant/Colilert-18 | 387.3 | MPN/100ml | 1 | 1.0 | 5/28/2020 | NV00925 |
| Total Coliform (MPN) | SM 9223B (Quantitray) | >2419.6 | MPN/100ml | 1 | 1.0 | 5/28/2020 | NV00925 |
| Escherichia Coli (MPN) | SM 9223B (Quantitray) | 360.9 | MPN/100ml | 1 | 1.0 | 5/28/2020 | NV00925 |

DF=Dilution Factor, RL = Reporting Limit (minimum 3X the MDL), ND = Not Detected <RL or <MDL (if listed)

Page 4 of 9

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Customer Sample ID: Swan Lake-Jean

Collect Date/Time: 5/28/2020 13:40

WETLAB Sample ID: 20050800-003

Receive Date: 5/28/2020 14:45

| Analyte | Method | Results | Units | DF | RL | Analyzed | LabID |
|--|-----------|------------|----------|----|--------|-----------|---------|
| <u>Anions by Ion Chromatography</u> | | | | | | | |
| Fluoride | EPA 300.0 | ND | D,U mg/L | 5 | 1.0 | 5/29/2020 | NV00925 |
| Nitrate Nitrogen | EPA 300.0 | ND | D mg/L | 5 | 0.75 | 5/29/2020 | NV00925 |
| Nitrite Nitrogen | EPA 300.0 | ND | D mg/L | 5 | 0.30 | 5/29/2020 | NV00925 |
| <u>Flow Injection Analyses</u> | | | | | | | |
| Total Kjeldahl Nitrogen | EPA 351.2 | 2.5 | mg/L | 1 | 0.40 | 6/3/2020 | NV00925 |
| <u>Trace Metals by ICP-OES</u> | | | | | | | |
| Beryllium | EPA 200.7 | ND | mg/L | 1 | 0.0010 | 6/4/2020 | NV00925 |
| Boron | EPA 200.7 | 0.44 | mg/L | 1 | 0.10 | 6/4/2020 | NV00925 |
| Cadmium | EPA 200.7 | ND | mg/L | 1 | 0.0010 | 6/4/2020 | NV00925 |
| Chromium | EPA 200.7 | ND | mg/L | 1 | 0.0050 | 6/4/2020 | NV00925 |
| Copper | EPA 200.7 | ND | mg/L | 1 | 0.040 | 6/4/2020 | NV00925 |
| Iron | EPA 200.7 | 3.3 | mg/L | 1 | 0.10 | 6/4/2020 | NV00925 |
| Manganese | EPA 200.7 | 0.19 | mg/L | 1 | 0.010 | 6/4/2020 | NV00925 |
| Nickel | EPA 200.7 | ND | mg/L | 1 | 0.030 | 6/4/2020 | NV00925 |
| Zinc | EPA 200.7 | 0.023 | mg/L | 1 | 0.020 | 6/4/2020 | NV00925 |
| <u>Trace Metals by ICP-MS</u> | | | | | | | |
| Arsenic | EPA 200.8 | 0.040 | mg/L | 1 | 0.0050 | 6/2/2020 | NV00925 |
| Lead | EPA 200.8 | ND | mg/L | 1 | 0.0025 | 6/2/2020 | NV00925 |
| Selenium | EPA 200.8 | ND | mg/L | 1 | 0.0050 | 6/2/2020 | NV00925 |
| <u>Sample Preparation</u> | | | | | | | |
| Trace Metals Digestion | EPA 200.2 | W200601-2B | | 1 | | 6/1/2020 | NV00925 |

Customer Sample ID: Am-Flats-Spigot

Collect Date/Time: 5/28/2020 13:20

WETLAB Sample ID: 20050800-004

Receive Date: 5/28/2020 14:45

| Analyte | Method | Results | Units | DF | RL | Analyzed | LabID |
|--|-------------------------|---------|-----------|----|--------|-----------|---------|
| <u>General Chemistry</u> | | | | | | | |
| Total Phosphorous as P | SM 4500-P E | 1.5 | SC mg/L | 5 | 0.10 | 5/29/2020 | NV00925 |
| Total Nitrogen | Calc. | 2.2 | mg/L | 1 | 1.4 | 6/3/2020 | NV00925 |
| Total Dissolved Solids (TDS) | SM 2540C | 1000 | mg/L | 1 | 25 | 5/29/2020 | NV00925 |
| <u>Microbiological Analyses</u> | | | | | | | |
| Fecal Coliform (MPN) | IDEXX Quant/Colilert-18 | 3.1 | MPN/100ml | 1 | 1.0 | 5/28/2020 | NV00925 |
| Total Coliform (MPN) | SM 9223B (Quantitray) | 111.2 | MPN/100ml | 1 | 1.0 | 5/28/2020 | NV00925 |
| Escherichia Coli (MPN) | SM 9223B (Quantitray) | 2.0 | MPN/100ml | 1 | 1.0 | 5/28/2020 | NV00925 |
| <u>Anions by Ion Chromatography</u> | | | | | | | |
| Fluoride | EPA 300.0 | ND | D,U mg/L | 5 | 1.0 | 5/29/2020 | NV00925 |
| Nitrate Nitrogen | EPA 300.0 | ND | D mg/L | 5 | 0.75 | 5/29/2020 | NV00925 |
| Nitrite Nitrogen | EPA 300.0 | ND | D mg/L | 5 | 0.30 | 5/29/2020 | NV00925 |
| <u>Flow Injection Analyses</u> | | | | | | | |
| Total Kjeldahl Nitrogen | EPA 351.2 | 2.2 | mg/L | 1 | 0.40 | 6/3/2020 | NV00925 |
| <u>Trace Metals by ICP-OES</u> | | | | | | | |
| Beryllium | EPA 200.7 | ND | mg/L | 1 | 0.0010 | 6/4/2020 | NV00925 |
| Boron | EPA 200.7 | 0.42 | mg/L | 1 | 0.10 | 6/4/2020 | NV00925 |

DF=Dilution Factor, RL = Reporting Limit (minimum 3X the MDL), ND = Not Detected <RL or <MDL (if listed)

Page 5 of 9

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 EPA LAB ID: NV00932

Customer Sample ID: Am-Flats-Spigot

Collect Date/Time: 5/28/2020 13:20

WETLAB Sample ID: 20050800-004

Receive Date: 5/28/2020 14:45

| Analyte | Method | Results | Units | DF | RL | Analyzed | LabID |
|--------------------------------------|-----------|------------|-------|----|--------|----------|---------|
| Cadmium | EPA 200.7 | ND | mg/L | 1 | 0.0010 | 6/4/2020 | NV00925 |
| Chromium | EPA 200.7 | ND | mg/L | 1 | 0.0050 | 6/4/2020 | NV00925 |
| Copper | EPA 200.7 | ND | mg/L | 1 | 0.040 | 6/4/2020 | NV00925 |
| Iron | EPA 200.7 | 3.0 | mg/L | 1 | 0.10 | 6/4/2020 | NV00925 |
| Manganese | EPA 200.7 | 0.095 | mg/L | 1 | 0.010 | 6/4/2020 | NV00925 |
| Nickel | EPA 200.7 | ND | mg/L | 1 | 0.030 | 6/4/2020 | NV00925 |
| Zinc | EPA 200.7 | 0.050 | mg/L | 1 | 0.020 | 6/4/2020 | NV00925 |
| <u>Trace Metals by ICP-MS</u> | | | | | | | |
| Arsenic | EPA 200.8 | 0.039 | mg/L | 1 | 0.0050 | 6/2/2020 | NV00925 |
| Lead | EPA 200.8 | ND | mg/L | 1 | 0.0025 | 6/2/2020 | NV00925 |
| Selenium | EPA 200.8 | ND | mg/L | 1 | 0.0050 | 6/2/2020 | NV00925 |
| <u>Sample Preparation</u> | | | | | | | |
| Trace Metals Digestion | EPA 200.2 | W200601-2B | | 1 | | 6/1/2020 | NV00925 |

Customer Sample ID: Am-Flats-Spigot-DUP

Collect Date/Time: 5/28/2020 13:15

WETLAB Sample ID: 20050800-005

Receive Date: 5/28/2020 14:45

| Analyte | Method | Results | Units | DF | RL | Analyzed | LabID |
|--|-------------------------|---------|-----------|----|--------|-----------|---------|
| <u>General Chemistry</u> | | | | | | | |
| Total Phosphorous as P | SM 4500-P E | 1.7 | SC mg/L | 5 | 0.10 | 5/29/2020 | NV00925 |
| Total Nitrogen | Calc. | 2.0 | mg/L | 1 | 1.4 | 6/3/2020 | NV00925 |
| Total Dissolved Solids (TDS) | SM 2540C | 1100 | mg/L | 1 | 25 | 5/29/2020 | NV00925 |
| <u>Microbiological Analyses</u> | | | | | | | |
| Fecal Coliform (MPN) | IDEXX Quant/Colilert-18 | 5.2 | MPN/100ml | 1 | 1.0 | 5/28/2020 | NV00925 |
| Total Coliform (MPN) | SM 9223B (Quantitray) | 1046.2 | MPN/100ml | 1 | 1.0 | 5/28/2020 | NV00925 |
| Escherichia Coli (MPN) | SM 9223B (Quantitray) | 4.1 | MPN/100ml | 1 | 1.0 | 5/28/2020 | NV00925 |
| <u>Anions by Ion Chromatography</u> | | | | | | | |
| Fluoride | EPA 300.0 | ND | D,U mg/L | 5 | 1.0 | 5/29/2020 | NV00925 |
| Nitrate Nitrogen | EPA 300.0 | ND | D mg/L | 5 | 0.75 | 5/29/2020 | NV00925 |
| Nitrite Nitrogen | EPA 300.0 | ND | D mg/L | 5 | 0.30 | 5/29/2020 | NV00925 |
| <u>Flow Injection Analyses</u> | | | | | | | |
| Total Kjeldahl Nitrogen | EPA 351.2 | 2.0 | mg/L | 1 | 0.40 | 6/3/2020 | NV00925 |
| <u>Trace Metals by ICP-OES</u> | | | | | | | |
| Beryllium | EPA 200.7 | ND | mg/L | 1 | 0.0010 | 6/4/2020 | NV00925 |
| Boron | EPA 200.7 | 0.42 | mg/L | 1 | 0.10 | 6/4/2020 | NV00925 |
| Cadmium | EPA 200.7 | ND | mg/L | 1 | 0.0010 | 6/4/2020 | NV00925 |
| Chromium | EPA 200.7 | ND | mg/L | 1 | 0.0050 | 6/4/2020 | NV00925 |
| Copper | EPA 200.7 | ND | mg/L | 1 | 0.040 | 6/4/2020 | NV00925 |
| Iron | EPA 200.7 | 2.7 | mg/L | 1 | 0.10 | 6/4/2020 | NV00925 |
| Manganese | EPA 200.7 | 0.11 | mg/L | 1 | 0.010 | 6/4/2020 | NV00925 |
| Nickel | EPA 200.7 | ND | mg/L | 1 | 0.030 | 6/4/2020 | NV00925 |
| Zinc | EPA 200.7 | 1.9 | mg/L | 1 | 0.020 | 6/4/2020 | NV00925 |
| <u>Trace Metals by ICP-MS</u> | | | | | | | |
| Arsenic | EPA 200.8 | 0.040 | mg/L | 1 | 0.0050 | 6/2/2020 | NV00925 |
| Lead | EPA 200.8 | ND | mg/L | 1 | 0.0025 | 6/2/2020 | NV00925 |

DF=Dilution Factor, RL = Reporting Limit (minimum 3X the MDL), ND = Not Detected <RL or <MDL (if listed)

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 EPA LAB ID: NV00932

Customer Sample ID: Am-Flats-Spigot-DUP

Collect Date/Time: 5/28/2020 13:15

WETLAB Sample ID: 20050800-005

Receive Date: 5/28/2020 14:45

| Analyte | Method | Results | Units | DF | RL | Analyzed | LabID |
|---------------------------|-----------|------------|-------|----|--------|----------|---------|
| Selenium | EPA 200.8 | ND | mg/L | 1 | 0.0050 | 6/2/2020 | NV00925 |
| Sample Preparation | | | | | | | |
| Trace Metals Digestion | EPA 200.2 | W200601-2B | | 1 | | 6/1/2020 | NV00925 |

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Western Environmental Testing Laboratory

QC Report

| QCBatchID | QCType | Parameter | Method | Result | Actual | % Rec | Units |
|------------|---------|------------------------------|-----------------|--------|--------|-------|-----------|
| QC20051123 | Blank 1 | Total Phosphorous as P | SM 4500-P E | ND | | | mg/L |
| QC20051143 | Blank 1 | Fecal Coliform (MPN) | IDEXX Quant/Col | ND | | | MPN/100ml |
| QC20051150 | Blank 1 | Total Coliform (MPN) | SM 9223B (Quant | ND | | | MPN/100ml |
| | | Escherichia Coli (MPN) | SM 9223B (Quant | ND | | | MPN/100ml |
| QC20060010 | Blank 1 | Fluoride | EPA 300.0 | ND | | | mg/L |
| | | Nitrate Nitrogen | EPA 300.0 | ND | | | mg/L |
| | | Nitrite Nitrogen | EPA 300.0 | ND | | | mg/L |
| QC20060107 | Blank 1 | Total Dissolved Solids (TDS) | SM 2540C | ND | | | mg/L |
| QC20060144 | Blank 1 | Arsenic | EPA 200.8 | ND | | | mg/L |
| | | Lead | EPA 200.8 | ND | | | mg/L |
| | | Selenium | EPA 200.8 | ND | | | mg/L |
| QC20060183 | Blank 1 | Total Kjeldahl Nitrogen | EPA 351.2 | ND | | | mg/L |
| QC20060265 | Blank 1 | Beryllium | EPA 200.7 | ND | | | mg/L |
| | | Boron | EPA 200.7 | ND | | | mg/L |
| | | Cadmium | EPA 200.7 | ND | | | mg/L |
| | | Chromium | EPA 200.7 | ND | | | mg/L |
| | | Copper | EPA 200.7 | ND | | | mg/L |
| | | Iron | EPA 200.7 | ND | | | mg/L |
| | | Manganese | EPA 200.7 | ND | | | mg/L |
| | | Nickel | EPA 200.7 | ND | | | mg/L |
| | | Zinc | EPA 200.7 | ND | | | mg/L |

| QCBatchID | QCType | Parameter | Method | Result | Actual | % Rec | Units |
|------------|--------|------------------------------|-------------|--------|--------|-------|-------|
| QC20051123 | LCS 1 | Total Phosphorous as P | SM 4500-P E | 0.256 | 0.250 | 102 | mg/L |
| QC20060010 | LCS 1 | Fluoride | EPA 300.0 | 2.17 | 2.00 | 108 | mg/L |
| | | Nitrate Nitrogen | EPA 300.0 | 2.03 | 2.00 | 102 | mg/L |
| | | Nitrite Nitrogen | EPA 300.0 | 0.511 | 0.500 | 102 | mg/L |
| QC20060107 | LCS 1 | Total Dissolved Solids (TDS) | SM 2540C | 150 | 150 | 100 | mg/L |
| QC20060107 | LCS 2 | Total Dissolved Solids (TDS) | SM 2540C | 164 | 150 | 109 | mg/L |
| QC20060144 | LCS 1 | Arsenic | EPA 200.8 | 0.0471 | 0.050 | 94 | mg/L |
| | | Lead | EPA 200.8 | 0.0096 | 0.010 | 96 | mg/L |
| | | Selenium | EPA 200.8 | 0.0505 | 0.050 | 101 | mg/L |
| QC20060183 | LCS 1 | Total Kjeldahl Nitrogen | EPA 351.2 | 1.06 | 1.00 | 106 | mg/L |
| QC20060265 | LCS 1 | Beryllium | EPA 200.7 | 0.928 | 1.00 | 93 | mg/L |
| | | Boron | EPA 200.7 | 0.928 | 1.00 | 93 | mg/L |
| | | Cadmium | EPA 200.7 | 0.918 | 1.00 | 92 | mg/L |
| | | Chromium | EPA 200.7 | 0.900 | 1.00 | 90 | mg/L |
| | | Copper | EPA 200.7 | 4.63 | 5.00 | 93 | mg/L |
| | | Iron | EPA 200.7 | 0.914 | 1.00 | 91 | mg/L |
| | | Manganese | EPA 200.7 | 0.906 | 1.00 | 91 | mg/L |
| | | Nickel | EPA 200.7 | 4.49 | 5.00 | 90 | mg/L |
| | | Zinc | EPA 200.7 | 0.919 | 1.00 | 92 | mg/L |

| QCBatchID | QCType | Parameter | Method | Duplicate Sample | Sample Result | Duplicate Result | Units | RPD |
|------------|-------------|------------------------------|----------------------|------------------|---------------|------------------|-----------|-------|
| QC20051143 | Duplicate 1 | Fecal Coliform (MPN) | IDEXX Quant/Colilert | 20050764-005 | 2.00 | ND | MPN/100ml | 200 % |
| QC20060107 | Duplicate 1 | Total Dissolved Solids (TDS) | SM 2540C | 20050794-003 | 434 | 453 | mg/L | 4 % |
| QC20060107 | Duplicate 2 | Total Dissolved Solids (TDS) | SM 2540C | 20050800-004 | 998 | 998 | mg/L | <1% |

DF=Dilution Factor, RL = Reporting Limit (minimum 3X the MDL), ND = Not Detected <RL or <MDL (if listed)

Page 8 of 9

SPARKS

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EPA LAB ID: NV00932

| QCBatchID | QCType | Parameter | Method | Spike Sample | Sample Result | MS Result | MSD Result | Spike Value | Units | MS %Rec | MSD %Rec | RPD % |
|------------|--------|-------------------------|-------------|--------------|---------------|-----------|------------|-------------|-------|---------|----------|-------|
| QC20051123 | MS 1 | Total Phosphorous as P | SM 4500-P E | 20050800-004 | 1.54 | SC 2.09 | 2.55 | 0.25 | mg/L | NC | NC | NC |
| QC20051123 | MS 2 | Total Phosphorous as P | SM 4500-P E | 20050800-005 | 1.73 | SC 2.04 | 2.24 | 0.25 | mg/L | NC | NC | NC |
| QC20060010 | MS 1 | Fluoride | EPA 300.0 | 20050800-001 | ND | D,U 11.8 | 11.1 | 2 | mg/L | 115 | 108 | 6 |
| | | Nitrate Nitrogen | EPA 300.0 | 20050800-001 | ND | D 10.7 | 10.0 | 2 | mg/L | 107 | 100 | 7 |
| | | Nitrite Nitrogen | EPA 300.0 | 20050800-001 | ND | D 2.63 | 2.43 | 0.5 | mg/L | 105 | 97 | 8 |
| QC20060010 | MS 2 | Fluoride | EPA 300.0 | 20050674-001 | 7.82 | 9.93 | 9.92 | 2 | mg/L | 105 | 105 | <1 |
| | | Nitrate Nitrogen | EPA 300.0 | 20050674-001 | ND | HT 2.32 | 2.33 | 2 | mg/L | 109 | 109 | <1 |
| | | Nitrite Nitrogen | EPA 300.0 | 20050674-001 | ND | HT 0.534 | 0.530 | 0.5 | mg/L | 107 | 106 | <1 |
| QC20060144 | MS 1 | Arsenic | EPA 200.8 | 20050800-001 | 0.0456 | 0.0894 | 0.0927 | 0.05 | mg/L | 88 | 94 | 4 |
| | | Lead | EPA 200.8 | 20050800-001 | 0.0034 | 0.0113 | 0.0117 | 0.01 | mg/L | 79 | 82 | 4 |
| | | Selenium | EPA 200.8 | 20050800-001 | ND | 0.0435 | 0.0457 | 0.05 | mg/L | 81 | 85 | 5 |
| QC20060183 | MS 1 | Total Kjeldahl Nitrogen | EPA 351.2 | 20050783-002 | ND | M 0.751 | 1.21 | 1 | mg/L | NC | NC | NC |
| QC20060183 | MS 2 | Total Kjeldahl Nitrogen | EPA 351.2 | 20050794-003 | ND | M 1.17 | 0.921 | 1 | mg/L | NC | NC | NC |
| QC20060265 | MS 1 | Beryllium | EPA 200.7 | 20050800-001 | ND | 0.843 | 0.890 | 1 | mg/L | 84 | 89 | 5 |
| | | Boron | EPA 200.7 | 20050800-001 | 0.456 | 1.35 | 1.38 | 1 | mg/L | 90 | 92 | 2 |
| | | Cadmium | EPA 200.7 | 20050800-001 | ND | 0.818 | 0.864 | 1 | mg/L | 82 | 86 | 6 |
| | | Chromium | EPA 200.7 | 20050800-001 | ND | 0.843 | 0.884 | 1 | mg/L | 84 | 88 | 5 |
| | | Copper | EPA 200.7 | 20050800-001 | ND | 4.59 | 4.80 | 5 | mg/L | 91 | 96 | 4 |
| | | Iron | EPA 200.7 | 20050800-001 | 6.62 | 7.51 | 6.88 | 1 | mg/L | 88 | 26 | 9 |
| | | Manganese | EPA 200.7 | 20050800-001 | 0.493 | 1.33 | 1.34 | 1 | mg/L | 84 | 85 | <1 |
| | | Nickel | EPA 200.7 | 20050800-001 | ND | 3.99 | 4.22 | 5 | mg/L | 80 | 84 | 6 |
| | | Zinc | EPA 200.7 | 20050800-001 | 0.052 | 0.913 | 0.950 | 1 | mg/L | 86 | 90 | 4 |

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WETLAB

WESTERN ENVIRONMENTAL TESTING LABORATORY

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tel (702) 475-8899 | fax (702) 776-6152

WETLAB Order ID. 20050800

Sparks Control # _____
Elko Control # _____
LV Control # _____
Report Due Date _____
Page _____ of _____

| | | | |
|---|-----------------------------------|---|--|
| Client Washoe County Community Services Department | | Turnaround Time Requirements | |
| Address 1001 E. 9th Street | | Standard <input checked="" type="checkbox"/> 5 Day* (25%) <input type="checkbox"/> 72 Hour* (50%) <input type="checkbox"/> 48 Hour* (100%) <input type="checkbox"/> 24 Hour* (200%) <input type="checkbox"/> *Surcharges Will Apply | |
| City, State & Zip Reno, NV 89512 | | Samples Collected From Which State? NV <input checked="" type="checkbox"/> CA <input type="checkbox"/> Other <input type="checkbox"/> | |
| Contact Ben Jesch | | Report Results Via PDF <input checked="" type="checkbox"/> EDD <input checked="" type="checkbox"/> | |
| Phone (775) 954-4626 | Collector's Name _____ | Compliance Monitoring? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | |
| Fax (775) 328-3699 | PWS/Project Name Swan Lake | Report to Regulatory Agency? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | |
| P.O. Number _____ | PWS/Project Number _____ | Standard QC Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |

| SAMPLE ID/LOCATION | DATE | TIME | PRES TYPE * | S | NO. OF CONTAINERS | Analyses Requested | | | | | | | | | | Spl. No. | | | |
|-------------------------|----------|------|-------------|----|-------------------|--|-----|------------------|----------------|---|-----------------|---|---------------|-----------------|-----------------------------|----------|---|---|---|
| | | | | | | E. Coli / Total Coliform, Fecal Coliform | TDS | Total Phosphorus | Total Nitrogen | Nitrite / Nitrate / Total Kjeldahl Nitrogen | Arsenic / Boron | Beryllium / Cadmium / Chromium / Copper | Lead / Nickel | Iron / Fluoride | Manganese / Selenium / Zinc | | | | |
| Swan Lake - Compton | 05/28/20 | 1415 | Misc. | SW | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Swan Lake - Pompe | 05/28/20 | 1400 | Misc. | SW | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Swan Lake - Jean | 05/28/20 | 1340 | Misc. | SW | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Am-Flats - Spigot | 05/29/20 | 1820 | Misc. | SW | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Am-Flats - Spigot - DUP | 05/28/20 | 1315 | Misc. | SW | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

Instructions/Comments/Special Requirements:

Sample Matrix Key** DW = Drinking Water WW = Wastewater SW = Surface Water MW = Monitoring Well SD = Solid/Sludge SO = Soil HW = Hazardous Waste OTHER: _____

*SAMPLE PRESERVATIVES: 1=Unpreserved 2=H2SO4 3=NaOH 4=HCl 5=HNO3 6=Na2S2O3 7=ZnOAc+NaOH 8=HCl/VOA Vial

| Temp | Custody Seal | # of Containers | DATE | TIME | Samples Relinquished By | Samples Received By |
|-------|--------------|-----------------|----------|------|-------------------------|---------------------|
| 6.2°C | Y N None | 25 | 05/28/20 | 1445 | swalmed | MA |
| °C | Y N None | | | | | |
| °C | Y N None | | | | | |
| °C | Y N None | | | | | |

WETLAB'S Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

Client/Collector attests to the validity and authenticity of this (these) sample(s) and, is (are) aware that tampering with or intentionally mislabeling the sample(s) location, date or time of collection may be considered fraud and subject to legal action (NAC445.0636). _____ initial
To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compensation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted. _____ initial
WETLAB will dispose of samples 90 days from sample receipt. Client may request a longer sample storage time for an additional fee. 301.2E
Please contact your Project Manager for details. _____ initial