

9/23/2019

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

OrderID: 19081006
Amended

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 8/28/2019. Additional comments are located on page 2 of this report.

This is an amended report that includes results for TDS as requested by the client. If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,



Andy Smith
QA Manager

SPARKS

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EPA LAB ID: NV00925 - ELAP No: 2523

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EPA LAB ID: NV00932

Western Environmental Testing Laboratory

Report Comments

Washoe County Water Resources CSD - 19081006 Amended

Specific Report Comments

The analysis of the laboratory method blank revealed concentrations of Biochemical Oxygen Demand above the method required limit during the analysis of the submitted samples. We apologize for any inconvenience this may have caused.

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
- 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

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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Analytical Report

Washoe County Water ResourcesCSD

Date Printed: 9/23/2019

PO Box 11130

OrderID: 19081006

Reno, NV 89502

Amended

Attn: Ben Jesch

Phone: (775) 954-4612 Fax: NoFax

PO\Project: Swan Lake/io 49300

Customer Sample ID: Silver Lake

Collect Date/Time: 8/28/2019 08:11

WETLAB Sample ID: 19081006-001

Receive Date: 8/28/2019 10:15

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
General Chemistry							
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	9/5/2019	NV00925
Total Phosphorous as P	SM 4500-P E	0.24	mg/L	1	0.020	8/29/2019	NV00925
Total Suspended Solids (TSS)	SM 2540D	ND	mg/L	1	10	8/28/2019	NV00925
Biochemical Oxygen Demand	SM 5210B	30 B	mg/L	1	2.0	8/29/2019	NV00925
Total Nitrogen	Calc.	2.3	mg/L	1	0.82	9/10/2019	NV00925
Total Dissolved Solids (TDS)	SM 2540C	710 HT	mg/L	1	25	9/19/2019	NV00925
Microbiological Analyses							
Total Coliform (MPN)	SM 9223B (Quantitray)	>2419.6	MPN/100ml	1	1.0	8/28/2019	NV00925
Escherichia Coli (MPN)	SM 9223B (Quantitray)	ND	MPN/100ml	1	1.0	8/28/2019	NV00925
Anions by Ion Chromatography							
Chloride	EPA 300.0	120	mg/L	2	2.0	8/29/2019	NV00925
Nitrate Nitrogen	EPA 300.0	ND D	mg/L	2	0.30	8/29/2019	NV00925
Nitrite Nitrogen	EPA 300.0	ND D	mg/L	2	0.12	8/29/2019	NV00925
Sulfate	EPA 300.0	55	mg/L	2	3.0	8/29/2019	NV00925
Flow Injection Analyses							
Total Kjeldahl Nitrogen	EPA 351.2	2.2 M	mg/L	1	0.40	9/10/2019	NV00925
Trace Metals by ICP-OES							
Barium	EPA 200.7	ND	mg/L	1	0.020	9/9/2019	NV00925
Boron	EPA 200.7	0.13	mg/L	1	0.10	9/9/2019	NV00925
Iron	EPA 200.7	0.45	mg/L	1	0.10	9/9/2019	NV00925
Manganese	EPA 200.7	0.038	mg/L	1	0.010	9/9/2019	NV00925
Nickel	EPA 200.7	ND	mg/L	1	0.030	9/9/2019	NV00925
Trace Metals by ICP-MS							
Arsenic	EPA 200.8	0.023	mg/L	1	0.0050	9/12/2019	NV00925
Sample Preparation							
Trace Metals Digestion	EPA 200.2	Complete		1		9/4/2019	NV00925

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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 EPA LAB ID: NV00932

Customer Sample ID: Silver Lake-Dup

Collect Date/Time: 8/28/2019 08:11

WETLAB Sample ID: 19081006-002

Receive Date: 8/28/2019 10:15

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
General Chemistry							
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	9/5/2019	NV00925
Total Phosphorous as P	SM 4500-P E	0.26	mg/L	1	0.020	8/29/2019	NV00925
Total Suspended Solids (TSS)	SM 2540D	ND	mg/L	1	10	8/28/2019	NV00925
Biochemical Oxygen Demand	SM 5210B	29 B	mg/L	1	2.0	8/29/2019	NV00925
Total Nitrogen	Calc.	2.3	mg/L	1	0.82	9/10/2019	NV00925
Total Dissolved Solids (TDS)	SM 2540C	720 HT	mg/L	1	25	9/19/2019	NV00925
Microbiological Analyses							
Total Coliform (MPN)	SM 9223B (Quantitray)	>2419.6	MPN/100ml	1	1.0	8/28/2019	NV00925
Escherichia Coli (MPN)	SM 9223B (Quantitray)	1.0	MPN/100ml	1	1.0	8/28/2019	NV00925
Anions by Ion Chromatography							
Chloride	EPA 300.0	120	mg/L	2	2.0	8/29/2019	NV00925
Nitrate Nitrogen	EPA 300.0	ND D	mg/L	2	0.30	8/29/2019	NV00925
Nitrite Nitrogen	EPA 300.0	ND D	mg/L	2	0.12	8/29/2019	NV00925
Sulfate	EPA 300.0	53	mg/L	2	3.0	8/29/2019	NV00925
Flow Injection Analyses							
Total Kjeldahl Nitrogen	EPA 351.2	2.2	mg/L	1	0.40	9/10/2019	NV00925
Trace Metals by ICP-OES							
Barium	EPA 200.7	ND	mg/L	1	0.020	9/9/2019	NV00925
Boron	EPA 200.7	0.13	mg/L	1	0.10	9/9/2019	NV00925
Iron	EPA 200.7	0.48	mg/L	1	0.10	9/9/2019	NV00925
Manganese	EPA 200.7	0.037	mg/L	1	0.010	9/9/2019	NV00925
Nickel	EPA 200.7	ND	mg/L	1	0.030	9/9/2019	NV00925
Trace Metals by ICP-MS							
Arsenic	EPA 200.8	0.023	mg/L	1	0.0050	9/12/2019	NV00925
Sample Preparation							
Trace Metals Digestion	EPA 200.2	Complete		1		9/4/2019	NV00925

Customer Sample ID: Jean

Collect Date/Time: 8/28/2019 09:00

WETLAB Sample ID: 19081006-003

Receive Date: 8/28/2019 10:15

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
General Chemistry							
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	9/5/2019	NV00925
Total Phosphorous as P	SM 4500-P E	0.57	mg/L	2	0.040	8/29/2019	NV00925
Total Suspended Solids (TSS)	SM 2540D	12	mg/L	1	10	8/28/2019	NV00925
Biochemical Oxygen Demand	SM 5210B	5.1 B	mg/L	1	2.0	8/29/2019	NV00925
Total Nitrogen	Calc.	1.5	mg/L	1	0.82	9/10/2019	NV00925
Total Dissolved Solids (TDS)	SM 2540C	660 HT	mg/L	1	25	9/19/2019	NV00925
Microbiological Analyses							
Total Coliform (MPN)	SM 9223B (Quantitray)	>2419.6	MPN/100ml	1	1.0	8/28/2019	NV00925
Escherichia Coli (MPN)	SM 9223B (Quantitray)	42.0	MPN/100ml	1	1.0	8/28/2019	NV00925
Anions by Ion Chromatography							
Chloride	EPA 300.0	110	mg/L	2	2.0	8/29/2019	NV00925

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: Jean

Collect Date/Time: 8/28/2019 09:00

WETLAB Sample ID: 19081006-003

Receive Date: 8/28/2019 10:15

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
Nitrate Nitrogen	EPA 300.0	ND	D mg/L	2	0.30	8/29/2019	NV00925
Nitrite Nitrogen	EPA 300.0	ND	D mg/L	2	0.12	8/29/2019	NV00925
Sulfate	EPA 300.0	110	mg/L	2	3.0	8/29/2019	NV00925
Flow Injection Analyses							
Total Kjeldahl Nitrogen	EPA 351.2	1.5	mg/L	1	0.40	9/10/2019	NV00925
Trace Metals by ICP-OES							
Barium	EPA 200.7	ND	mg/L	1	0.020	9/9/2019	NV00925
Boron	EPA 200.7	0.28	mg/L	1	0.10	9/9/2019	NV00925
Iron	EPA 200.7	0.12	mg/L	1	0.10	9/9/2019	NV00925
Manganese	EPA 200.7	0.082	mg/L	1	0.010	9/9/2019	NV00925
Nickel	EPA 200.7	ND	mg/L	1	0.030	9/9/2019	NV00925
Trace Metals by ICP-MS							
Arsenic	EPA 200.8	0.028	mg/L	1	0.0050	9/12/2019	NV00925
Sample Preparation							
Trace Metals Digestion	EPA 200.2	Complete		1		9/4/2019	NV00925

Customer Sample ID: Pompe

Collect Date/Time: 8/28/2019 08:40

WETLAB Sample ID: 19081006-004

Receive Date: 8/28/2019 10:15

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
General Chemistry							
Ammonia, as Nitrogen	SM 4500 NH3 D	ND	mg/L	1	0.050	9/5/2019	NV00925
Total Phosphorous as P	SM 4500-P E	0.36	mg/L	1	0.020	8/29/2019	NV00925
Total Suspended Solids (TSS)	SM 2540D	ND	mg/L	1	10	8/28/2019	NV00925
Biochemical Oxygen Demand	SM 5210B	6.0	B mg/L	1	2.0	8/29/2019	NV00925
Total Nitrogen	Calc.	1.3	mg/L	1	0.82	9/10/2019	NV00925
Total Dissolved Solids (TDS)	SM 2540C	660	HT mg/L	1	25	9/19/2019	NV00925
Microbiological Analyses							
Total Coliform (MPN)	SM 9223B (Quantitray)	>2419.6	MPN/100ml	1	1.0	8/28/2019	NV00925
Escherichia Coli (MPN)	SM 9223B (Quantitray)	12.1	MPN/100ml	1	1.0	8/28/2019	NV00925
Anions by Ion Chromatography							
Chloride	EPA 300.0	120	SC mg/L	2	2.0	8/29/2019	NV00925
Nitrate Nitrogen	EPA 300.0	ND	D mg/L	2	0.30	8/29/2019	NV00925
Nitrite Nitrogen	EPA 300.0	ND	D mg/L	2	0.12	8/29/2019	NV00925
Sulfate	EPA 300.0	110	mg/L	2	3.0	8/29/2019	NV00925
Flow Injection Analyses							
Total Kjeldahl Nitrogen	EPA 351.2	1.3	mg/L	1	0.40	9/10/2019	NV00925
Trace Metals by ICP-OES							
Barium	EPA 200.7	ND	mg/L	1	0.020	9/9/2019	NV00925
Boron	EPA 200.7	0.27	mg/L	1	0.10	9/9/2019	NV00925
Iron	EPA 200.7	ND	mg/L	1	0.10	9/9/2019	NV00925
Manganese	EPA 200.7	ND	mg/L	1	0.010	9/9/2019	NV00925
Nickel	EPA 200.7	ND	mg/L	1	0.030	9/9/2019	NV00925

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Customer Sample ID: Pompe Collect Date/Time: 8/28/2019 08:40

WETLAB Sample ID: 19081006-004 Receive Date: 8/28/2019 10:15

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
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Trace Metals by ICP-MS

Arsenic EPA 200.8 0.025 mg/L 1 0.0050 9/12/2019 NV00925

Sample Preparation

Trace Metals Digestion EPA 200.2 Complete 1 9/4/2019 NV00925

Customer Sample ID: Compton Collect Date/Time: 8/28/2019 09:25

WETLAB Sample ID: 19081006-005 Receive Date: 8/28/2019 10:15

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
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General Chemistry

Ammonia, as Nitrogen SM 4500 NH3 D 0.080 mg/L 1 0.050 9/5/2019 NV00925

Total Phosphorous as P SM 4500-P E 0.92 mg/L 5 0.10 8/29/2019 NV00925

Total Suspended Solids (TSS) SM 2540D ND mg/L 1 10 8/31/2019 NV00925

Biochemical Oxygen Demand SM 5210B 4.9 B mg/L 1 2.0 8/29/2019 NV00925

Total Nitrogen Calc. 2.5 mg/L 1 0.82 9/10/2019 NV00925

Total Dissolved Solids (TDS) SM 2540C 850 HT mg/L 1 25 9/19/2019 NV00925

Microbiological Analyses

Total Coliform (MPN) SM 9223B (Quantitray) >2419.6 MPN/100ml 1 1.0 8/28/2019 NV00925

Escherichia Coli (MPN) SM 9223B (Quantitray) ND MPN/100ml 1 1.0 8/28/2019 NV00925

Anions by Ion Chromatography

Chloride EPA 300.0 170 mg/L 2 2.0 8/29/2019 NV00925

Nitrate Nitrogen EPA 300.0 ND D mg/L 2 0.30 8/29/2019 NV00925

Nitrite Nitrogen EPA 300.0 ND D mg/L 2 0.12 8/29/2019 NV00925

Sulfate EPA 300.0 140 mg/L 2 3.0 8/29/2019 NV00925

Flow Injection Analyses

Total Kjeldahl Nitrogen EPA 351.2 2.4 mg/L 1 0.40 9/10/2019 NV00925

Trace Metals by ICP-OES

Barium EPA 200.7 ND mg/L 1 0.020 9/9/2019 NV00925

Boron EPA 200.7 0.31 mg/L 1 0.10 9/9/2019 NV00925

Iron EPA 200.7 0.48 mg/L 1 0.10 9/9/2019 NV00925

Manganese EPA 200.7 0.041 mg/L 1 0.010 9/9/2019 NV00925

Nickel EPA 200.7 ND mg/L 1 0.030 9/9/2019 NV00925

Trace Metals by ICP-MS

Arsenic EPA 200.8 0.044 mg/L 1 0.0050 9/12/2019 NV00925

Sample Preparation

Trace Metals Digestion EPA 200.2 Complete 1 9/4/2019 NV00925

Customer Sample ID: Jean-Dup Collect Date/Time: 8/28/2019 09:00

WETLAB Sample ID: 19081006-006 Receive Date: 8/28/2019 10:15

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
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General Chemistry

Ammonia, as Nitrogen SM 4500 NH3 D ND mg/L 1 0.050 9/5/2019 NV00925

Total Phosphorous as P SM 4500-P E 0.55 mg/L 2 0.040 8/29/2019 NV00925

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 EPA LAB ID: NV00926

Customer Sample ID: Jean-Dup

Collect Date/Time: 8/28/2019 09:00

WETLAB Sample ID: 19081006-006

Receive Date: 8/28/2019 10:15

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
Total Suspended Solids (TSS)	SM 2540D	ND	mg/L	1	10	8/31/2019	NV00925
Biochemical Oxygen Demand	SM 5210B	6.3 B	mg/L	1	2.0	8/29/2019	NV00925
Total Nitrogen	Calc.	1.5	mg/L	1	0.82	9/10/2019	NV00925
Total Dissolved Solids (TDS)	SM 2540C	680 HT	mg/L	1	25	9/19/2019	NV00925
<u>Microbiological Analyses</u>							
Total Coliform (MPN)	SM 9223B (Quantitray)	>2419.6	MPN/100ml	1	1.0	8/28/2019	NV00925
Escherichia Coli (MPN)	SM 9223B (Quantitray)	42.0	MPN/100ml	1	1.0	8/28/2019	NV00925
<u>Anions by Ion Chromatography</u>							
Chloride	EPA 300.0	120 SC	mg/L	2	2.0	8/29/2019	NV00925
Nitrate Nitrogen	EPA 300.0	ND D	mg/L	2	0.30	8/29/2019	NV00925
Nitrite Nitrogen	EPA 300.0	ND D	mg/L	2	0.12	8/29/2019	NV00925
Sulfate	EPA 300.0	110	mg/L	2	3.0	8/29/2019	NV00925
<u>Flow Injection Analyses</u>							
Total Kjeldahl Nitrogen	EPA 351.2	1.5	mg/L	1	0.40	9/10/2019	NV00925
<u>Trace Metals by ICP-OES</u>							
Barium	EPA 200.7	ND	mg/L	1	0.020	9/9/2019	NV00925
Boron	EPA 200.7	0.29	mg/L	1	0.10	9/9/2019	NV00925
Iron	EPA 200.7	0.11	mg/L	1	0.10	9/9/2019	NV00925
Manganese	EPA 200.7	ND	mg/L	1	0.010	9/9/2019	NV00925
Nickel	EPA 200.7	ND	mg/L	1	0.030	9/9/2019	NV00925
<u>Trace Metals by ICP-MS</u>							
Arsenic	EPA 200.8	0.028	mg/L	1	0.0050	9/12/2019	NV00925
<u>Sample Preparation</u>							
Trace Metals Digestion	EPA 200.2	Complete		1		9/4/2019	NV00925

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

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Western Environmental Testing Laboratory QC Report

QCBatchID	QCType	Parameter	Method	Result	Actual	% Rec	Units
QC19081274	Blank 1	Total Phosphorous as P	SM 4500-P E	ND			mg/L
QC19081310	Blank 1	Total Suspended Solids (TSS)	SM 2540D	ND			mg/L
QC19081329	Blank 1	Total Coliform (MPN)	SM 9223B (Qu	ND			MPN/100ml
		Escherichia Coli (MPN)	SM 9223B (Qu	ND			MPN/100ml
QC19081333	Blank 1	Chloride	EPA 300.0	ND			mg/L
		Nitrate Nitrogen	EPA 300.0	ND			mg/L
		Nitrite Nitrogen	EPA 300.0	ND			mg/L
		Sulfate	EPA 300.0	ND			mg/L
QC19090020	Blank 1	Total Suspended Solids (TSS)	SM 2540D	ND			mg/L
QC19090088	Blank 1	Biochemical Oxygen Demand	SM 5210B	ND			mg/L
QC19090195	Blank 1	Ammonia, as Nitrogen	SM 4500 NH3	ND			mg/L
QC19090320	Blank 1	Barium, Dissolved	EPA 200.7	ND			mg/L
		Boron, Dissolved	EPA 200.7	ND			mg/L
		Iron, Dissolved	EPA 200.7	ND			mg/L
		Manganese, Dissolved	EPA 200.7	ND			mg/L
		Nickel, Dissolved	EPA 200.7	ND			mg/L
QC19090397	Blank 1	Total Kjeldahl Nitrogen	EPA 351.2	ND			mg/L
QC19090460	Blank 1	Arsenic, Dissolved	EPA 200.8	ND			mg/L
QC19090872	Blank 1	Total Dissolved Solids (TDS)	SM 2540C	ND			mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Rec	Units
QC19081274	LCS 1	Total Phosphorous as P	SM 4500-P E	0.273	0.250	109	mg/L
QC19081310	LCS 1	Total Suspended Solids (TSS)	SM 2540D	198	200	99	mg/L
QC19081310	LCS 2	Total Suspended Solids (TSS)	SM 2540D	198	200	99	mg/L
QC19081333	LCS 1	Chloride	EPA 300.0	9.89	10.0	99	mg/L
		Nitrate Nitrogen	EPA 300.0	1.99	2.00	99	mg/L
		Nitrite Nitrogen	EPA 300.0	0.502	0.500	100	mg/L
		Sulfate	EPA 300.0	25.2	25.0	101	mg/L
QC19090020	LCS 1	Total Suspended Solids (TSS)	SM 2540D	198	200	99	mg/L
QC19090020	LCS 2	Total Suspended Solids (TSS)	SM 2540D	201	200	101	mg/L
QC19090088	LCS 1	Biochemical Oxygen Demand	SM 5210B	246	198	124	mg/L
QC19090195	LCS 1	Ammonia, as Nitrogen	SM 4500 NH3 D	0.952	1.00	95	mg/L
QC19090320	LCS 1	Barium, Dissolved	EPA 200.7	0.977	1.00	98	mg/L
		Boron, Dissolved	EPA 200.7	0.926	1.00	93	mg/L
		Iron, Dissolved	EPA 200.7	1.03	1.00	103	mg/L
		Manganese, Dissolved	EPA 200.7	0.982	1.00	98	mg/L
		Nickel, Dissolved	EPA 200.7	4.92	5.00	98	mg/L
QC19090397	LCS 1	Total Kjeldahl Nitrogen	EPA 351.2	1.01	1.00	101	mg/L
QC19090460	LCS 1	Arsenic, Dissolved	EPA 200.8	0.0462	0.050	92	mg/L
QC19090872	LCS 1	Total Dissolved Solids (TDS)	SM 2540C	141	150	94	mg/L
QC19090872	LCS 2	Total Dissolved Solids (TDS)	SM 2540C	142	150	95	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC19081310	Duplicate 1	Total Suspended Solids (TSS)	SM 2540D	19080892-002	ND	ND	mg/L	<1%
QC19081310	Duplicate 2	Total Suspended Solids (TSS)	SM 2540D	19080957-001	34.0	34.0	mg/L	<1%
QC19090020	Duplicate 1	Total Suspended Solids (TSS)	SM 2540D	19081006-005	ND	ND	mg/L	<1%
QC19090020	Duplicate 2	Total Suspended Solids (TSS)	SM 2540D	19081066-001	185	184	mg/L	<1%

DF=Dilution Factor, RL=Reporting Limit, ND=Not Detected or <RL

SPARKS

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Sparks, Nevada 89431
tel (775) 355-0202
fax (775) 355-0817
EPA LAB ID: NV00925 - ELAP No: 2523

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1084 Lamoille Hwy
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LAS VEGAS

3230 Polaris Ave. Suite 4
Las Vegas, Nevada 89102
tel (702) 475-8899
fax (702) 622-2868
EPA LAB ID: NV00932

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC19090872	Duplicate 1	Total Dissolved Solids (TDS)	SM 2540C	19081006-001	709	700	HT mg/L	1 %
QC19090872	Duplicate 2	Total Dissolved Solids (TDS)	SM 2540C	19090522-001	412	444	mg/L	8 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS %Rec	MSD %Rec	RPD %
QC19081274	MS 1	Total Phosphorous as P	SM 4500-P E	19080984-006	0.130	0.338	0.338	0.25	mg/L	83	83	<1
QC19081274	MS 2	Total Phosphorous as P	SM 4500-P E	19080984-008	0.081	0.352	0.338	0.25	mg/L	108	103	4
QC19081333	MS 1	Chloride	EPA 300.0	19081006-004	116	SC 122	124	5	mg/L	NC	NC	NC
		Nitrate Nitrogen	EPA 300.0	19081006-004	ND	D 4.55	4.50	2	mg/L	114	113	1
		Nitrite Nitrogen	EPA 300.0	19081006-004	ND	D 1.08	1.07	0.5	mg/L	108	107	<1
		Sulfate	EPA 300.0	19081006-004	109	126	128	10	mg/L	86	95	2
QC19081333	MS 2	Chloride	EPA 300.0	19081006-006	119	SC 125	126	5	mg/L	NC	NC	NC
		Nitrate Nitrogen	EPA 300.0	19081006-006	ND	D 4.50	4.62	2	mg/L	112	115	3
		Nitrite Nitrogen	EPA 300.0	19081006-006	ND	D 1.07	1.05	0.5	mg/L	107	105	2
		Sulfate	EPA 300.0	19081006-006	110	128	130	10	mg/L	87	97	2
QC19090195	MS 1	Ammonia, as Nitrogen	SM 4500 NH3	19080892-001	ND	0.872	0.851	1	mg/L	83	80	2
QC19090195	MS 2	Ammonia, as Nitrogen	SM 4500 NH3	19081006-006	ND	0.915	0.922	1	mg/L	87	87	<1
QC19090320	MS 1	Barium, Dissolved	EPA 200.7	19081002-002	0.027	1.02	1.02	1	mg/L	100	100	<1
		Boron, Dissolved	EPA 200.7	19081002-002	ND	1.00	0.996	1	mg/L	98	97	<1
		Iron, Dissolved	EPA 200.7	19081002-002	0.194	1.17	1.19	1	mg/L	97	99	2
		Manganese, Dissolved	EPA 200.7	19081002-002	0.191	1.15	1.15	1	mg/L	96	96	<1
		Nickel, Dissolved	EPA 200.7	19081002-002	ND	4.74	4.77	5	mg/L	95	95	<1
QC19090397	MS 1	Total Kjeldahl Nitrogen	EPA 351.2	19080995-006	ND	M 0.703	0.667	1	mg/L	NC	NC	NC
QC19090397	MS 2	Total Kjeldahl Nitrogen	EPA 351.2	19081006-001	2.21	M 2.93	2.97	1	mg/L	NC	NC	NC
QC19090460	MS 1	Arsenic, Dissolved	EPA 200.8	19081002-002	0.0805	0.1230	0.1266	0.05	mg/L	85	92	3

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WETLAB

WESTERN ENVIRONMENTAL TESTING LABORATORY

Specializing in Soil, Hazardous Waste and Water Analysis.

475 E. Greg Street #119 | Sparks, Nevada 89431 | www.WETLaboratory.com
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tel (775) 777-9933 | fax (775) 777-9933
3230 Polaris Ave., Suite 4 | Las Vegas, Nevada 89102
tel (702) 475-8899 | fax (702) 776-6152

WETLAB Order ID. 19081004

Sparks Control # _____

Elko Control # _____

LV Control # _____

Report Due Date _____

Page _____ of _____

Client **Washoe County Community Services Department**

Address **1001 E. 9th Street**

City, State & Zip **Reno, NV 89512**

Contact **Ben Jesch**

Phone **(775) 954-4626**

Collector's Name **Ben Jesch**

Fax **(775) 328-3699**

PWS/Project Name **Swan Lake**

P.O. Number _____

PWS/Project Number **io 49300**

Turnaround Time Requirements

Standard 5 Day* (25%) 72 Hour* (50%)
48 Hour* (100%) 24 Hour* (200%)
*Surcharges Will Apply

Samples Collected From Which State?

NV CA

Other

Report Results Via

PDF EDD

Compliance Monitoring?

Yes No

Other _____

Report to Regulatory Agency?

Yes No

Standard QC Required?

Yes No

Email **LPeri@washoecounty.us**

Billing Address (if different than Client Address)

Company _____

Address _____

City, State & Zip _____

Contact _____

Phone _____ Fax _____

Email **LPeri@washoecounty.us**

SAMPLE CONTAINERS

Analyses Requested

SAMPLE ID/LOCATION	DATE	TIME	PRES TYPE	NO. OF CONTAINERS	Analyses Requested										Spl. No.		
					Ammonia	BOD / TSS	Total Nitrogen	Total Phosphorus	E. Coli	Chloride / Sulfate	Nitrate / Total Kjeldahl Nitrogen	Arsenic / Boron	Barium / Iron	Manganese / Nickel			
Silver Lake	8/28	0811	Misc.	SW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Silver Lake - DUP	8/28	0811	Misc.	SW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Jean	8/28	0900	Misc.	SW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Pompe	8/28	0840	Misc.	SW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Compton	8/28	0840	Misc.	SW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Jean - DUP	8/28	0900	Misc.	SW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
																	1908 6
																	1006 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
22.4°C	Y N None		8/28	1015	<i>Antone</i>	<i>Antone</i>
°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