

1/6/2020

City of Yerington
215 Trowbridge Rd
Yerington, NV 89447
Attn: Jay Flakus

OrderID: 19120642

Dear: Jay Flakus

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 12/19/2019. 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
QA Manager

SPARKS

475 E. Greg Street, Suite 119
Sparks, Nevada 89431
tel (775) 355-0202
fax (775) 355-0817
EPA LAB ID: NV00925 - ELAP No: 2523

ELKO

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LAS VEGAS

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Las Vegas, Nevada 89102
tel (702) 475-8899
fax (702) 622-2868
EPA LAB ID: NV00932

Western Environmental Testing Laboratory

Report Comments

City of Yerington - 19120642

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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Analytical Report

City of Yerington
215 Trowbridge Rd
Yerington, NV 89447

Date Printed: 1/6/2020
OrderID: 19120642

Attn: Jay Flakus

Phone: (775) 302-1155 **Fax:** NoFax

PO\Project: City of Yerington / LY-0255-C / NV-0255

Customer Sample ID: DS01 35 Whiteface

Collect Date/Time: 12/19/2019 10:08

WETLAB Sample ID: 19120642-001

Receive Date: 12/19/2019 13:35

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
<u>Trihalomethanes by GC-MS</u>							
Bromoform	EPA 524.2	2.1	µg/L	1	0.50	12/30/2019	NV00925
Bromodichloromethane	EPA 524.2	2.7	µg/L	1	0.50	12/30/2019	NV00925
Chloroform	EPA 524.2	ND	µg/L	1	0.50	12/30/2019	NV00925
Dibromochloromethane	EPA 524.2	4.9	µg/L	1	0.50	12/30/2019	NV00925
Total Trihalomethanes	EPA 524.2	9.69	µg/L	1	2.00	12/30/2019	NV00925
<i>Surrogate: 4-Bromofluorobenzene</i>	EPA 524.2	95	%				NV00925
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	EPA 524.2	87	%				NV00925
<u>Haloacetic Acids by GC-ECD</u>							
Dibromoacetic Acid (DBAA)	EPA 552.3	ND	µg/L	1	1.0	12/24/2019	NV00925
Dichloroacetic Acid (DCAA)	EPA 552.3	1.2	µg/L	1	1.0	12/24/2019	NV00925
Monobromoacetic Acid (MBAA)	EPA 552.3	ND	µg/L	1	1.0	12/24/2019	NV00925
Monochloroacetic Acid (MCAA)	EPA 552.3	ND	µg/L	1	2.0	12/24/2019	NV00925
Trichloroacetic Acid (TCAA)	EPA 552.3	ND	µg/L	1	1.0	12/24/2019	NV00925
Haloacetic Acids (Five, HAA5)	EPA 552.3	ND	µg/L	1	2.0	12/24/2019	NV00925
<i>Surrogate: 2-Bromobutanoic Acid</i>	EPA 552.3	117	%				NV00925

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

Page 3 of 4

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Western Environmental Testing Laboratory QC Report

QCBatchID	QCType	Parameter	Method	Result	Actual	% Rec	Units
QC19121146	Blank 1	Dibromoacetic Acid (DBAA)	EPA 552.3	ND			µg/L
		Dichloroacetic Acid (DCAA)	EPA 552.3	ND			µg/L
		Monobromoacetic Acid (MBAA)	EPA 552.3	ND			µg/L
		Monochloroacetic Acid (MCAA)	EPA 552.3	ND			µg/L
		Trichloroacetic Acid (TCAA)	EPA 552.3	ND			µg/L
		Haloacetic Acids (Five, HAA5)	EPA 552.3	ND			µg/L
		<i>Surrogate: 2-Bromobutanoic Acid</i>	EPA 552.3	11.85	10	118	µg/L
QC20010056	Blank 1	Bromoform	EPA 524.2	ND			µg/L
		Bromodichloromethane	EPA 524.2	ND			µg/L
		Chloroform	EPA 524.2	ND			µg/L
		Dibromochloromethane	EPA 524.2	ND			µg/L
		Total Trihalomethanes	EPA 524.2	ND			µg/L
		<i>Surrogate: 4-Bromofluorobenzene</i>	EPA 524.2	25.84	25	103	µg/L
		<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	EPA 524.2	24.71	25	99	µg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Rec	Units
QC19121146	LCS 1	Dibromoacetic Acid (DBAA)	EPA 552.3	25.7	25.0	103	µg/L
		Dichloroacetic Acid (DCAA)	EPA 552.3	22.5	25.0	90	µg/L
		Monobromoacetic Acid (MBAA)	EPA 552.3	23.1	25.0	92	µg/L
		Monochloroacetic Acid (MCAA)	EPA 552.3	21.4	25.0	86	µg/L
		Trichloroacetic Acid (TCAA)	EPA 552.3	25.9	25.0	104	µg/L
		<i>Surrogate: 2-Bromobutanoic Acid</i>	EPA 552.3	11.66	10	117	µg/L
QC20010056	LCS 1	Bromoform	EPA 524.2	11.1	10.0	111	µg/L
		Bromodichloromethane	EPA 524.2	11.3	10.0	113	µg/L
		Chloroform	EPA 524.2	11.4	10.0	114	µg/L
		Dibromochloromethane	EPA 524.2	11.4	10.0	114	µg/L
		<i>Surrogate: 4-Bromofluorobenzene</i>	EPA 524.2	26.81	25	107	µg/L
		<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	EPA 524.2	27.55	25	110	µg/L

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS %Rec	MSD %Rec	RPD %
QC19121146	MS 1	Dibromoacetic Acid (DBAA)	EPA 552.3	19120370-001	ND	S 18.1	17.0	25	µg/L	72	68	6
		Dichloroacetic Acid (DCAA)	EPA 552.3	19120370-001	ND	M, 13.2	12.3	25	µg/L	NC	NC	NC
		Monobromoacetic Acid (MBAA)	EPA 552.3	19120370-001	ND	M, 14.2	14.3	25	µg/L	NC	NC	NC
		Monochloroacetic Acid (MCAA)	EPA 552.3	19120370-001	ND	M, 12.2	12.5	25	µg/L	NC	NC	NC
		Trichloroacetic Acid (TCAA)	EPA 552.3	19120370-001	ND	M, 16.6	15.1	25	µg/L	NC	NC	NC
		<i>Surrogate: 2-Bromobutanoic Ac</i>	EPA 552.3	NA			7.79	6.76	10	µg/L	78	68

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

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**WETLAB**

WESTERN ENVIRONMENTAL TESTING LABORATORY Specializing in Soil, Hazardous Waste and Water Analysis.

 475 E. Greg Street #119 | tel (775) 355-0202 | City of Yerington NV - SDW
 1084 Lamoille Highway | tel (775) 777-9933 | 2019 Compliance Monitoring
 3230 Polaris Ave., Suite 4 | 19046
 tel (702) 475-8899 |

 WETLAB Order ID. 19120642
 Sparks Control # _____
 Elko Control # _____
 LV Control # _____
 Report _____
 Due Date _____
 Page 1 of 1

 Client City of Yerington Nevada Public Works
 Address 215 Trowbridge Road
 City, State & Zip Yerington, NV 89447
 Contact Jay Flakus
 Phone 775-302-1155 Collector's Name Dennis Becker
 Fax 775-463-2284 PWS/Project Name City of Yerington
 P.O. Number OPEN NV-0255 PWS/Project Number LY-0255-C
 Email jayf@yerington.net

Turnaround Time Requirements			
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	
Samples Collected From Which State?		Report Results Via	
NV <input type="checkbox"/>	CA <input type="checkbox"/>	PDF <input type="checkbox"/>	EDD <input type="checkbox"/>
Other	<input type="checkbox"/>	Other _____	
Compliance Monitoring?		Standard QC Required?	
Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Report to Regulatory Agency?			
Yes <input type="checkbox"/>		No <input type="checkbox"/>	

 Billing Address (if different than Client Address)
 Company _____
 Address _____
 City, State & Zip _____
 Contact _____
 Phone _____ Fax _____
 Email jayf@yerington.net

Analyses Requested						
SAMPLE	NO. OF CONTAINERS					Spl. No.
DBPR STAGE II						
DSOI	35	WHITEFACE	12/19/11	100g	X	

SAMPLE ID/LOCATION	DATE	TIME	PRES TYPE	SAMPLE	NO. OF CONTAINERS
DSOI	12/19/11	100g			

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
74 °C	Y N None	4	12/19/11	1335	DENNIS BECKER	
°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).
 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 pleaded or asserted.
 WETLAB will dispose of samples 90 days from sample receipt. Client may request a longer sample storage time for an additional fee.
 Please contact your Project Manager for details.