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ANALYTICAL REPORT

Eurofins TestAmerica, Phoenix
4625 East Cotton Ctr Blvd
Suite 189
Phoenix, AZ 85040
Tel: (602)437-3340

Laboratory Job ID: 550-143378-1
Client Project/Site: Woodland Valley Ranch (56861)

For:
Mohave Environmental Laboratory
2580 Landon Dr
Suite A
Bullhead City, Arizona 86429

Attn: Sheila Poff

Authorized for release by:
6/22/2020 3:50:53 PM

Mary Charlson, Project Manager I
(602)437-3340
mary.charlson@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Definitions/Glossary

Client: Mohave Environmental Laboratory
Project/Site: Woodland Valley Ranch (56861)

Job ID: 550-143378-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Mohave Environmental Laboratory
Project/Site: Woodland Valley Ranch (56861)

Job ID: 550-143378-1

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Laboratory: Eurofins TestAmerica, Phoenix

Narrative

Job Narrative
550-143378-1

Comments
No additional comments.

Receipt
The sample was received on 6/11/2020 9:40 AM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.3º C.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Mohave Environmental Laboratory
Project/Site: Woodland Valley Ranch (56861)

Job ID: 550-143378-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
550-143378-1	Community Well (56861-01)	Drinking Water	06/03/20 10:15	06/11/20 09:40	

Detection Summary

Client: Mohave Environmental Laboratory
Project/Site: Woodland Valley Ranch (56861)

Job ID: 550-143378-1

Client Sample ID: Community Well (56861-01)

Lab Sample ID: 550-143378-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0053		0.0010		mg/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Mohave Environmental Laboratory
Project/Site: Woodland Valley Ranch (56861)

Job ID: 550-143378-1

Client Sample ID: Community Well (56861-01)

Date Collected: 06/03/20 10:15
Date Received: 06/11/20 09:40

Lab Sample ID: 550-143378-1

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0053		0.0010		mg/L		06/16/20 10:37	06/18/20 09:48	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 550-212758/1-A
Matrix: Water
Analysis Batch: 213011

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 212758

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		06/16/20 10:37	06/18/20 09:37	1

Lab Sample ID: LCS 550-212758/3-A
Matrix: Water
Analysis Batch: 213011

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 212758

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			0.100	0.0936		mg/L		94	85 - 115		

Lab Sample ID: LCSD 550-212758/4-A
Matrix: Water
Analysis Batch: 213011

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 212758

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			0.100	0.0941		mg/L		94	85 - 115	0	20

Lab Sample ID: 550-143378-1 MS
Matrix: Drinking Water
Analysis Batch: 213011

Client Sample ID: Community Well (56861-01)
Prep Type: Total/NA
Prep Batch: 212758

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	0.0053		0.100	0.102		mg/L		96	70 - 130		

Lab Sample ID: 550-143378-1 MSD
Matrix: Drinking Water
Analysis Batch: 213011

Client Sample ID: Community Well (56861-01)
Prep Type: Total/NA
Prep Batch: 212758

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.0053		0.100	0.100		mg/L		95	70 - 130	1	20

QC Association Summary

Client: Mohave Environmental Laboratory
Project/Site: Woodland Valley Ranch (56861)

Job ID: 550-143378-1

Metals

Prep Batch: 212758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-143378-1	Community Well (56861-01)	Total/NA	Drinking Water	200.8	
MB 550-212758/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-212758/3-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-212758/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-143378-1 MS	Community Well (56861-01)	Total/NA	Drinking Water	200.8	
550-143378-1 MSD	Community Well (56861-01)	Total/NA	Drinking Water	200.8	

Analysis Batch: 213011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-143378-1	Community Well (56861-01)	Total/NA	Drinking Water	200.8	212758
MB 550-212758/1-A	Method Blank	Total/NA	Water	200.8	212758
LCS 550-212758/3-A	Lab Control Sample	Total/NA	Water	200.8	212758
LCSD 550-212758/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	212758
550-143378-1 MS	Community Well (56861-01)	Total/NA	Drinking Water	200.8	212758
550-143378-1 MSD	Community Well (56861-01)	Total/NA	Drinking Water	200.8	212758

Lab Chronicle

Client: Mohave Environmental Laboratory
Project/Site: Woodland Valley Ranch (56861)

Job ID: 550-143378-1

Client Sample ID: Community Well (56861-01)

Date Collected: 06/03/20 10:15
Date Received: 06/11/20 09:40

Lab Sample ID: 550-143378-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			212758	06/16/20 10:37	SGO	TAL PHX
Total/NA	Analysis	200.8		1	213011	06/18/20 09:48	ARE	TAL PHX

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Mohave Environmental Laboratory
Job ID: 550-143378-1
Project/Site: Woodland Valley Ranch (56861)

Laboratory: Eurofins TestAmerica, Phoenix

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0728	06-08-21
Nevada	State	AZ1030	08-09-20

Method Summary

Client: Mohave Environmental Laboratory
Project/Site: Woodland Valley Ranch (56861)

Job ID: 550-143378-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL PHX
200.8	Preparation, Total Metals	EPA	TAL PHX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL PHX = Eurofins TestAmerica, Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

TestAmerica
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143378

CHAIN OF CUSTODY FORM

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6/22/2020

Client Name/Address:	Project Number:	Analysis Required
Mohave Environmental Laboratory **2580 Landon Dr, Suite A** **Bullhead City, AZ 86429**	**Woodland Valley Ranch** PO#:	
Project Manager: **Sheila Poff**	Phone Number: (928) 754-8101	
Sampler: E. Sauer	Email: sheila@mohavelabs.com Fax Number: (928) 754-8103	

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservation	As-200.8	Special Instructions
Community Well	dw	p	1	6/3/20 10:15 AM	hn03	x	56861-01

550-143378 Chain of Custody

Relinquished By:	Date/Time:	Received by:	Date/Time:	Turnaround Time: (Check)
MEL via fed ex-test S. Poff	6/10/20 2:00 PM			Same Day ____ 72 Hours ____
Relinquished By:	Date/Time:	Received by:	Date/Time:	24 Hours ____ 5 Days ____
				48 Hours ____ Normal ____
Relinquished By:	Date/Time:	Received in Lab by: TAPNX	Date/Time: 6-11-20 09:00	Sample Integrity: (Check)
				Intact ____ On Ice X

ATH 2.3°C

Note: By relinquishing samples to Test America, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project.
Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Login Sample Receipt Checklist

Client: Mohave Environmental Laboratory

Job Number: 550-143378-1

Login Number: 143378
List Number: 1
Creator: Maycock, Lisa

List Source: Eurofins TestAmerica, Phoenix

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	