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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: 550-129989-1
Client Project/Site: Firtst Mesa Consolidated Villages 54629

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

Attn: Sheila Poff

Authorized for release by:
9/26/2019 2:16:35 PM

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

LINKS

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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.

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Definitions/Glossary

Client: Mohave Environmental Laboratory
Project/Site: Firtst Mesa Consolidated Villages 54629

Job ID: 550-129989-1

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Case Narrative

Client: Mohave Environmental Laboratory
Project/Site: Firtst Mesa Consolidated Villages 54629

Job ID: 550-129989-1

Job ID: 550-129989-1

Laboratory: Eurofins TestAmerica, Phoenix

Narrative

Job Narrative
550-129989-1

Comments
No additional comments.

Receipt
The samples were received on 9/19/2019 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8° 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: Firtst Mesa Consolidated Villages 54629

Job ID: 550-129989-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
550-129989-1	EP001/East Well #8 (54629-01)	Drinking Water	09/17/19 09:30	09/19/19 09:30	
550-129989-2	EP002/West Well #5 (54629-02)	Drinking Water	09/17/19 09:13	09/19/19 09:30	

Detection Summary

Client: Mohave Environmental Laboratory
Project/Site: Firtst Mesa Consolidated Villages 54629

Job ID: 550-129989-1

Client Sample ID: EP001/East Well #8 (54629-01) — Lab Sample ID: 550-129989-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.018		0.0010	mg/L	1		200.8	Total/NA

Client Sample ID: EP002/West Well #5 (54629-02) — Lab Sample ID: 550-129989-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.018		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: Firtst Mesa Consolidated Villages 54629

Job ID: 550-129989-1

Client Sample ID: EP001/East Well #8 (54629-01)

Lab Sample ID: 550-129989-1
Matrix: Drinking Water

Date Collected: 09/17/19 09:30
Date Received: 09/19/19 09:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.018		0.0010	mg/L		09/20/19 17:45	09/21/19 06:48	1

Client Sample ID: EP002/West Well #5 (54629-02)

Lab Sample ID: 550-129989-2
Matrix: Drinking Water

Date Collected: 09/17/19 09:13
Date Received: 09/19/19 09:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.018		0.0010	mg/L		09/20/19 17:45	09/21/19 06:50	1

QC Sample Results

Client: Mohave Environmental Laboratory
Project/Site: Firtst Mesa Consolidated Villages 54629

Job ID: 550-129989-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 550-190215/1-A
Matrix: Water
Analysis Batch: 190393

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190215

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010	mg/L		09/20/19 17:45	09/21/19 06:22	1

Lab Sample ID: LCS 550-190215/3-A
Matrix: Water
Analysis Batch: 190393

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.0926		mg/L		93	85 - 115

Lab Sample ID: LCSD 550-190215/4-A
Matrix: Water
Analysis Batch: 190393

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 190215

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.100	0.0922		mg/L		92	85 - 115	0	20

Lab Sample ID: 550-129221-A-2-B MS
Matrix: Water
Analysis Batch: 190393

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 190215

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0095		0.100	0.101		mg/L		92	70 - 130

Lab Sample ID: 550-129221-A-2-C MSD
Matrix: Water
Analysis Batch: 190393

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 190215

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.0095		0.100	0.104		mg/L		95	70 - 130	3	20

QC Association Summary

Client: Mohave Environmental Laboratory
Project/Site: Firtst Mesa Consolidated Villages 54629

Job ID: 550-129989-1

Metals

Prep Batch: 190215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-129989-1	EP001/East Well #8 (54629-01)	Total/NA	Drinking Water	200.8	
550-129989-2	EP002/West Well #5 (54629-02)	Total/NA	Drinking Water	200.8	
MB 550-190215/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-190215/3-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-190215/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-129221-A-2-B MS	Matrix Spike	Total/NA	Water	200.8	
550-129221-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 190393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-129989-1	EP001/East Well #8 (54629-01)	Total/NA	Drinking Water	200.8	190215
550-129989-2	EP002/West Well #5 (54629-02)	Total/NA	Drinking Water	200.8	190215
MB 550-190215/1-A	Method Blank	Total/NA	Water	200.8	190215
LCS 550-190215/3-A	Lab Control Sample	Total/NA	Water	200.8	190215
LCSD 550-190215/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	190215
550-129221-A-2-B MS	Matrix Spike	Total/NA	Water	200.8	190215
550-129221-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	190215

Lab Chronicle

Job ID: 550-129989-1

Client: Mohave Environmental Laboratory
Project/Site: Firtst Mesa Consolidated Villages 54629

Client Sample ID: EP001/East Well #8 (54629-01)

Lab Sample ID: 550-129989-1
Matrix: Drinking Water

Date Collected: 09/17/19 09:30
Date Received: 09/19/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			190215	09/20/19 17:45	MGM	TAL PHX
Total/NA	Analysis	200.8		1	190393	09/21/19 06:48	SRA	TAL PHX

Client Sample ID: EP002/West Well #5 (54629-02)

Lab Sample ID: 550-129989-2
Matrix: Drinking Water

Date Collected: 09/17/19 09:13
Date Received: 09/19/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			190215	09/20/19 17:45	MGM	TAL PHX
Total/NA	Analysis	200.8		1	190393	09/21/19 06:50	SRA	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
Project/Site: Firtst Mesa Consolidated Villages 54629

Job ID: 550-129989-1

Laboratory: Eurofins TestAmerica, Phoenix

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0728	06-09-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte

Nevada	State Program	AZ01030	07-31-19 *

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Mohave Environmental Laboratory
Project/Site: Firtst Mesa Consolidated Villages 54629

Job ID: 550-129989-1

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

129901

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Irvine CA 92614-5817 (949) 261-1022 / FAX (949) 260-3297
4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 / FAX (602) 659-7622

CHAIN OF CUSTODY FORM

9/26/2019

Client Name/Address:
Mohave Environmental Laboratory
2580 Landon Dr, Suite A
Bullhead City, AZ 86429

Project Number: **First Mesa Consolidated Villages**

PO#:

Project Manager: **Sheila Poff**

Phone Number: (928) 754-8101

Email: sheila@mohavelabs.com

Sampler: A. Sakeva Jr.

Fax Number: (928) 754-8103

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservation	As-200.8								Special Instructions
EP001/East Well #8	dw	p	1	9/17/19 9:30 AM	hn03	x								54629-01
EP002/West Well #5	dw	p	1	9/17/19 9:13 AM	hn03	x								54629-02
No DWAR needed														

550-129989 Chain of Custody

Relinquished By:	Date/Time:	Received by:	Date/Time:	Turnaround Time: (Check)
MEL via fed ex-test S. Poff	9/18/19 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: APK	Date/Time: 9-19-19 0930	Sample Integrity: (Check) Intact ___ On Ice ✓

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.

ATH 1.8°C

ED_005149_00041598-00013

Login Sample Receipt Checklist

Client: Mohave Environmental Laboratory

Job Number: 550-129989-1

Login Number: 129989
List Number: 1
Creator: Doerr, Bret C

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.	False	Check done at department level as required.

Mohave ENVIRONMENTAL LABORATORY

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Tel (928) 754-8101
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sheila@mohavelabs.com

200 N. 2nd St.
Suite B
Holbrook, AZ 86025
Tel (928) 524-4635
scott@mohavelabs.com

LAB ID 54629

Page ____ of ____

Client: FIRST MESA CONSOLIDATED VILLAGES
Address: P.O. BOX 260
City, State & Zip: POLACCA AZ. 86042

Phone: 928) 737-2670
Fax: 928) 737-2347
Email: sakuajr.@yahoo.com

Sampler's Name: ALFONSO SAKUA JR.
Project Name: ARSENIC SAMPLING
Requested Turnaround Date: SEPTEMBER 20, 2019

SAMPLE TYPE CODES

DW = Drinking Water
WW = Wastewater
SW = Surface Water
MW = Monitoring Well
C = Composite
SD = Solids
SO = Soil
HW = Hazardous Waste
Other: ____
G = Grab

LOCATION	DATE	TIME	No. CONTAINERS	COMPOSITE/GRAB (C/G)	SAMPLE TYPE	PRESERVATIVE: Unpreserved	Sodium Thiosulfate	Sodium Hydroxide	Nitric Acid	Sulfuric Acid	Hydrochloric Acid	REQUESTED ANALYSIS: ARSENIC	
ED001 - EAST WELL #58	9/17/19	9:30AM	1	G	DW	X						X	-01
ED002 - WEST WELL #85	9/17/19	9:13AM	1	G	DW	X						X	-02
Corrections made to well #'s per Sharon 9/18/19			2										

Instructions/Comments/Permit Numbers: Report to ADEQ ☐ EPA ☐ NDEP ☐

REQUEST NOTIFICATION ON OR BEFORE ~~AY~~ SEPTEMBER 20, 2019

SAMPLE RECEIPT	Relinquished By:	Received By:	Date/Time:
Temperature: 5.6 C	Relinquished By: 8670 BHC	Received By: Christal Keeney	Date/Time: 9-18-19
Number of Containers: 2	Relinquished By:	Received By:	Date/Time: 0800
Courier Delivered: Y (N)	Relinquished By:	Received in Lab By:	Date/Time:

Note: By relinquishing samples to Mohave Environmental Laboratory, client agrees to pay for the services requested on this chain of custody for 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.

Header: 3.1°C

ED_005149_00041598-00015