TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Job ID: 550-114883-1
Client Project/Site: First Mesa Consolidated Villages (52135)
Revision: 1

For:
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Authorized for release by:
2/13/2019 12:21:55 PM

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

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Sample Summary 5
Detection Summary 6
Client Sample Results 7
Surrogate Summary 8
QC Sample Results 9
QC Association Summary 16
Lab Chronicle 19
Certification Summary 20
Method Summary 22
Chain of Custody 23
Receipt Checklists 25

Definitions/Glossary

TestAmerica Job ID: 550-114883-1

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
S6	Surrogate recovery was below laboratory acceptance limits and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

General Chemistry

Qualifier	Qualifier Description
N7	Additional analysis was not performed based on the "Total" result which was below the requested analyte's MCL/Action level/Trigger level.

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)

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

Job ID: 550-114883-1

Laboratory: TestAmerica Phoenix

Narrative

Job Narrative
550-114883-1

Revision
This report was revised on 2/13/19 to upload additional metals by method 200.8. This final report replaces the report generated on 12/31/18 at 12:15 pm.

Comments
No additional comments.

Receipt
The sample was received on 12/13/2018 9:20 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

GC/MS Semi VOA
Method(s) 525.2: Surrogate Perylene-d12 recovery for the following samples was outside control limits: (680-162144-K-2-A), (680-162144-K-2-B MS) and (680-162144-K-2-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. The parent sample and MS/MSD recovery for this surrogate was outside control limits.

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

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

GC Semi VOA
Method(s) 515.1: The laboratory control sample (LCS) for preparation batch 680-552201 and analytical batch 680-552475 recovered and had an RPD outside control limits and for the following analytes: 2,4-D and Picloram. The sample could not be re-extracted within holding time; therefore, the analysis was canceled and 515.1 data has not been included in this report.

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

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

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

Sample Summary

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-114883-1	EP001/West Well #5/090400106 (52135-01)	Drinking Water	12/11/18 09:00	12/13/18 09:20

Detection Summary

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

Client Sample ID: EP001/West Well #5/090400106 (52135-01)

Lab Sample ID: 550-114883-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.017		0.0010	mg/L	1		200.8	Total/NA
Barium	0.0015		0.00050	mg/L	1		200.8	Total/NA
Chromium	0.0012		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: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

Client Sample ID: EP001/West Well #5/090400106 (52135-01)
Date Collected: 12/11/18 09:00
Date Received: 12/13/18 09:20

Lab Sample ID: 550-114883-1
Matrix: Drinking Water

Method: 525.2 - Semivolatile Organic Compounds (GS/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.000019		0.000019	mg/L		12/20/18 05:58	12/21/18 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*95*		*70 - 130*	*12/20/18 05:58*	*12/21/18 18:05*	*1*
Perylene-d12	*85*		*70 - 130*	*12/20/18 05:58*	*12/21/18 18:05*	*1*
Triphenylphosphate	*95*		*70 - 130*	*12/20/18 05:58*	*12/21/18 18:05*	*1*

Method: 547 LL - Glyphosate (DAI HPLC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Glyphosate	<0.0060		0.0060	mg/L			12/17/18 11:50	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0010		0.0010	mg/L		12/17/18 09:17	12/18/18 19:01	1
Arsenic	0.017		0.0010	mg/L		12/17/18 09:17	12/18/18 19:01	1
Selenium	<0.00050		0.00050	mg/L		12/17/18 09:17	12/18/18 19:01	1
Thallium	<0.00010		0.00010	mg/L		12/17/18 09:17	12/18/18 19:01	1
Cadmium	<0.00010		0.00010	mg/L		12/17/18 09:17	12/18/18 19:01	1
Barium	0.0015		0.00050	mg/L		01/30/19 08:09	01/30/19 18:47	1
Chromium	0.0012		0.0010	mg/L		01/30/19 08:09	02/07/19 03:40	1
Beryllium	<0.00040		0.00040	mg/L		12/17/18 09:17	12/18/18 19:01	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	mg/L		12/19/18 09:44	12/19/18 17:27	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.050		0.050	mg/L		12/17/18 06:50	12/17/18 07:57	1
Cyanide, Amenable	<0.050	N7	0.050	mg/L			12/17/18 07:57	1

Surrogate Summary

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

Method: 525.2 - Semivolatile Organic Compounds (GS/MS)

Matrix: Drinking Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	2NMX (70-130)	PRY (70-130)	TPP (70-130)
550-114883-1	EP001/West Well #5/090400106	95	85	95

Surrogate Legend

2NMX = 2-Nitro-m-xylene
PRY = Perylene-d12
TPP = Triphenylphosphate

Method: 525.2 - Semivolatile Organic Compounds (GS/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	2NMX (70-130)	PRY (70-130)	TPP (70-130)
680-162144-K-2-B MS	Matrix Spike	96	36 S6	101
680-162144-K-2-C MSD	Matrix Spike Duplicate	96	39 S6	101
LCS 680-552449/19-A	Lab Control Sample	96	79	98
LCSD 680-552449/20-A	Lab Control Sample Dup	97	79	96
MB 680-552449/18-A	Method Blank	93	96	97

Surrogate Legend

2NMX = 2-Nitro-m-xylene
PRY = Perylene-d12
TPP = Triphenylphosphate

QC Sample Results

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

Method: 525.2 - Semivolatile Organic Compounds (GS/MS)

Lab Sample ID: MB 680-552449/18-A
Matrix: Water
Analysis Batch: 552824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 552449

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.000020		0.000020	mg/L		12/20/18 05:58	12/21/18 14:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	93		70 - 130	12/20/18 05:58	12/21/18 14:56	1
Perylene-d12	96		70 - 130	12/20/18 05:58	12/21/18 14:56	1
Triphenylphosphate	97		70 - 130	12/20/18 05:58	12/21/18 14:56	1

Lab Sample ID: LCS 680-552449/19-A
Matrix: Water
Analysis Batch: 552697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 552449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	0.00500	0.00398		mg/L		80	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	79		70 - 130
Triphenylphosphate	98		70 - 130

Lab Sample ID: LCSD 680-552449/20-A
Matrix: Water
Analysis Batch: 552697

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 552449

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]pyrene	0.00500	0.00402		mg/L		80	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	79		70 - 130
Triphenylphosphate	96		70 - 130

Lab Sample ID: 680-162144-K-2-B MS
Matrix: Water
Analysis Batch: 552597

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 552449

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	<0.000019		0.00487	0.00450		mg/L		93	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	36	S6	70 - 130
Triphenylphosphate	101		70 - 130

Method: 525.2 - Semivolatile Organic Compounds (GS/MS) (Continued)

Lab Sample ID: 680-162144-K-2-C MSD
Matrix: Water
Analysis Batch: 552597

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 552449

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]pyrene	<0.000019		0.00490	0.00382		mg/L		78	70 - 130	16	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*70 - 130*
Perylene-d12	*39*	*S6*	*70 - 130*
Triphenylphosphate	*101*		*70 - 130*

Method: 547 LL - Glyphosate (DAI HPLC)

Lab Sample ID: MB 680-552046/2
Matrix: Water
Analysis Batch: 552046

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Glyphosate	<0.0060		0.0060	mg/L			12/17/18 10:15	1

Lab Sample ID: LCS 680-552046/3
Matrix: Water
Analysis Batch: 552046

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Glyphosate	0.200	0.203		mg/L		102	80 - 120

Lab Sample ID: LCSD 680-552046/4
Matrix: Water
Analysis Batch: 552046

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Glyphosate	0.200	0.195		mg/L		98	80 - 120	4	20

Lab Sample ID: 550-114885-A-1 MS
Matrix: Water
Analysis Batch: 552046

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Glyphosate	<0.0060		0.200	0.212		mg/L		106	80 - 120

Lab Sample ID: 550-114885-A-1 MSD
Matrix: Water
Analysis Batch: 552046

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Glyphosate	<0.0060		0.200	0.212		mg/L		106	80 - 120	0	20

QC Sample Results

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 550-164641/1-A
Matrix: Water
Analysis Batch: 164882

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 164641

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0010		0.0010	mg/L		12/17/18 09:17	12/18/18 18:15	1
Arsenic	<0.0010		0.0010	mg/L		12/17/18 09:17	12/18/18 18:15	1
Selenium	<0.00050		0.00050	mg/L		12/17/18 09:17	12/18/18 18:15	1
Thallium	<0.00010		0.00010	mg/L		12/17/18 09:17	12/18/18 18:15	1
Cadmium	<0.00010		0.00010	mg/L		12/17/18 09:17	12/18/18 18:15	1
Barium	<0.00050		0.00050	mg/L		12/17/18 09:17	12/18/18 18:15	1
Beryllium	<0.00040		0.00040	mg/L		12/17/18 09:17	12/18/18 18:15	1

Lab Sample ID: LCS 550-164641/3-A
Matrix: Water
Analysis Batch: 164882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 164641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.100	0.0986		mg/L		99	85 - 115
Arsenic	0.100	0.0987		mg/L		99	85 - 115
Selenium	0.100	0.100		mg/L		100	85 - 115
Thallium	0.100	0.0976		mg/L		98	85 - 115
Barium	0.100	0.113		mg/L		113	85 - 115

Lab Sample ID: LCSD 550-164641/4-A
Matrix: Water
Analysis Batch: 164882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 164641

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.100	0.0975		mg/L		98	85 - 115	1	20
Arsenic	0.100	0.0971		mg/L		97	85 - 115	2	20
Selenium	0.100	0.0990		mg/L		99	85 - 115	1	20
Thallium	0.100	0.0966		mg/L		97	85 - 115	1	20

Lab Sample ID: 580-82596-A-2-B MS
Matrix: Water
Analysis Batch: 164882

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 164641

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.0010		0.100	0.0979		mg/L		98	70 - 130
Arsenic	<0.0010		0.100	0.0993		mg/L		99	70 - 130
Selenium	<0.00050		0.100	0.0997		mg/L		100	70 - 130
Thallium	<0.00010		0.100	0.0953		mg/L		95	70 - 130
Barium	0.0024	L3	0.100	0.102		mg/L		99	70 - 130

Lab Sample ID: 580-82596-A-2-C MSD
Matrix: Water
Analysis Batch: 164882

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 164641

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.0010		0.100	0.0985		mg/L		99	70 - 130	1	20
Arsenic	<0.0010		0.100	0.0989		mg/L		99	70 - 130	0	20
Selenium	<0.00050		0.100	0.100		mg/L		100	70 - 130	1	20
Thallium	<0.00010		0.100	0.0961		mg/L		96	70 - 130	1	20

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-82596-A-2-C MSD
Matrix: Water
Analysis Batch: 164882

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 164641

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	0.0024	L3	0.100	0.100		mg/L		98	70 - 130	2	20

Lab Sample ID: MB 550-167999/1-A
Matrix: Water
Analysis Batch: 168100

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 167999

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00050		0.00050	mg/L		01/30/19 08:09	01/30/19 18:23	1

Lab Sample ID: MB 550-167999/1-A
Matrix: Water
Analysis Batch: 168815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 167999

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.0010		0.0010	mg/L		01/30/19 08:09	02/07/19 03:25	1

Lab Sample ID: LCS 550-167999/3-A
Matrix: Water
Analysis Batch: 168100

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 167999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	0.100	0.106		mg/L		106	85 - 115

Lab Sample ID: LCS 550-167999/3-A
Matrix: Water
Analysis Batch: 168815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 167999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.100	0.101		mg/L		101	85 - 115

Lab Sample ID: LCSD 550-167999/4-A
Matrix: Water
Analysis Batch: 168100

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 167999

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	0.100	0.108		mg/L		108	85 - 115	2	20

Lab Sample ID: LCSD 550-167999/4-A
Matrix: Water
Analysis Batch: 168815

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 167999

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	0.100	0.101		mg/L		101	85 - 115	0	20

Lab Sample ID: 550-117005-H-1-B MS
Matrix: Water
Analysis Batch: 168100

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 167999

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	0.027		0.100	0.128		mg/L		101	70 - 130

QC Sample Results

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

Lab Sample ID: 550-117005-H-1-B MS
Matrix: Water
Analysis Batch: 168815

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 167999

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	<0.0010		0.100	0.0989		mg/L		99	70 - 130

Lab Sample ID: 550-117005-H-1-C MSD
Matrix: Water
Analysis Batch: 168100

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 167999

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	0.027		0.100	0.123		mg/L		96	70 - 130	4	20

Lab Sample ID: 550-117005-H-1-C MSD
Matrix: Water
Analysis Batch: 168815

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 167999

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	<0.0010		0.100	0.0971		mg/L		97	70 - 130	2	20

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 550-164864/12-A
Matrix: Water
Analysis Batch: 164968

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 164864

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	mg/L		12/19/18 09:44	12/19/18 17:16	1

Lab Sample ID: LCS 550-164864/13-A
Matrix: Water
Analysis Batch: 164968

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 164864

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.00535		mg/L		107	85 - 115

Lab Sample ID: LCSD 550-164864/14-A
Matrix: Water
Analysis Batch: 164968

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 164864

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00500	0.00522		mg/L		104	85 - 115	2	20

Lab Sample ID: 550-114954-I-1-B MS
Matrix: Water
Analysis Batch: 164968

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 164864

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00020		0.00500	0.00512		mg/L		102	70 - 130

Lab Sample ID: 550-114954-I-1-C MSD
Matrix: Water
Analysis Batch: 164968

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 164864

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00020		0.00500	0.00515		mg/L		103	70 - 130	0	20

QC Sample Results

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

Method: SM 4500 CN E - Cyanide, Total

Lab Sample ID: MB 550-164637/1-A
Matrix: Water
Analysis Batch: 164681

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 164637

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.050		0.050	mg/L		12/17/18 06:50	12/17/18 07:57	1

Lab Sample ID: LCS 550-164637/2-A
Matrix: Water
Analysis Batch: 164681

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 164637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.102		mg/L		102	90 - 110

Lab Sample ID: LCSD 550-164637/3-A
Matrix: Water
Analysis Batch: 164681

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 164637

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.100	0.102		mg/L		102	90 - 110	1	20

Lab Sample ID: 550-114742-A-2-B MS
Matrix: Water
Analysis Batch: 164681

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 164637

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	<0.050		0.100	0.101		mg/L		101	80 - 120

Lab Sample ID: 550-114742-A-2-C MSD
Matrix: Water
Analysis Batch: 164681

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 164637

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	<0.050		0.100	0.115		mg/L		115	80 - 120	13	20

Method: SM 4500 CN G - Cyanide, Amenable

Lab Sample ID: MB 550-164730/1
Matrix: Water
Analysis Batch: 164730

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable	<0.050	N7	0.050	mg/L			12/17/18 07:57	1

Lab Sample ID: LCS 550-164730/2
Matrix: Water
Analysis Batch: 164730

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Amenable	0.100	0.102	N7	mg/L		102	90 - 110

Method: SM 4500 CN G - Cyanide, Amenable (Continued)

Lab Sample ID: LCSD 550-164730/3
Matrix: Water
Analysis Batch: 164730

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Amenable	0.100	0.102	N7	mg/L		102	90 - 110	1	20

Lab Sample ID: 550-114742-A-2 MS ^T
Matrix: Water
Analysis Batch: 164730

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Amenable	<0.050	N7	0.100	0.101	N7	mg/L		101	80 - 120

Lab Sample ID: 550-114742-A-2 MSD
Matrix: Water
Analysis Batch: 164730

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Amenable	<0.050	N7	0.100	0.115	N7	mg/L		115	80 - 120	13	20

QC Association Summary

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

GC/MS Semi VOA

Prep Batch: 552449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-114883-1	EP001/West Well #5/090400106 (52135-01)	Total/NA	Drinking Water	525.2	
MB 680-552449/18-A	Method Blank	Total/NA	Water	525.2	
LCS 680-552449/19-A	Lab Control Sample	Total/NA	Water	525.2	
LCSD 680-552449/20-A	Lab Control Sample Dup	Total/NA	Water	525.2	
680-162144-K-2-B MS	Matrix Spike	Total/NA	Water	525.2	
680-162144-K-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	

Analysis Batch: 552597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-552449/19-A	Lab Control Sample	Total/NA	Water	525.2	552449
LCSD 680-552449/20-A	Lab Control Sample Dup	Total/NA	Water	525.2	552449
680-162144-K-2-B MS	Matrix Spike	Total/NA	Water	525.2	552449
680-162144-K-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	552449

Analysis Batch: 552824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-114883-1	EP001/West Well #5/090400106 (52135-01)	Total/NA	Drinking Water	525.2	552449
MB 680-552449/18-A	Method Blank	Total/NA	Water	525.2	552449

HPLC/IC

Analysis Batch: 552046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-114883-1	EP001/West Well #5/090400106 (52135-01)	Total/NA	Drinking Water	547 LL	
MB 680-552046/2	Method Blank	Total/NA	Water	547 LL	
LCS 680-552046/3	Lab Control Sample	Total/NA	Water	547 LL	
LCSD 680-552046/4	Lab Control Sample Dup	Total/NA	Water	547 LL	
550-114885-A-1 MS	Matrix Spike	Total/NA	Water	547 LL	
550-114885-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	547 LL	

Metals

Prep Batch: 164641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-114883-1	EP001/West Well #5/090400106 (52135-01)	Total/NA	Drinking Water	200.8	
MB 550-164641/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-164641/3-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-164641/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	
580-82596-A-2-B MS	Matrix Spike	Total/NA	Water	200.8	
580-82596-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Prep Batch: 164864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-114883-1	EP001/West Well #5/090400106 (52135-01)	Total/NA	Drinking Water	245.1	
MB 550-164864/12-A	Method Blank	Total/NA	Water	245.1	
LCS 550-164864/13-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 550-164864/14-A	Lab Control Sample Dup	Total/NA	Water	245.1	
550-114954-I-1-B MS	Matrix Spike	Total/NA	Water	245.1	
550-114954-I-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	

QC Association Summary

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

Metals (Continued)

Analysis Batch: 164882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-114883-1	EP001/West Well #5/090400106 (52135-01)	Total/NA	Drinking Water	200.8	164641
MB 550-164641/1-A	Method Blank	Total/NA	Water	200.8	164641
LCS 550-164641/3-A	Lab Control Sample	Total/NA	Water	200.8	164641
LCSD 550-164641/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	164641
580-82596-A-2-B MS	Matrix Spike	Total/NA	Water	200.8	164641
580-82596-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	164641

Analysis Batch: 164968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-114883-1	EP001/West Well #5/090400106 (52135-01)	Total/NA	Drinking Water	245.1	164864
MB 550-164864/12-A	Method Blank	Total/NA	Water	245.1	164864
LCS 550-164864/13-A	Lab Control Sample	Total/NA	Water	245.1	164864
LCSD 550-164864/14-A	Lab Control Sample Dup	Total/NA	Water	245.1	164864
550-114954-I-1-B MS	Matrix Spike	Total/NA	Water	245.1	164864
550-114954-I-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	164864

Prep Batch: 167999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-114883-1	EP001/West Well #5/090400106 (52135-01)	Total/NA	Drinking Water	200.8	
MB 550-167999/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-167999/3-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-167999/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-117005-H-1-B MS	Matrix Spike	Total/NA	Water	200.8	
550-117005-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 168100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-114883-1	EP001/West Well #5/090400106 (52135-01)	Total/NA	Drinking Water	200.8	167999
MB 550-167999/1-A	Method Blank	Total/NA	Water	200.8	167999
LCS 550-167999/3-A	Lab Control Sample	Total/NA	Water	200.8	167999
LCSD 550-167999/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	167999
550-117005-H-1-B MS	Matrix Spike	Total/NA	Water	200.8	167999
550-117005-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	167999

Analysis Batch: 168815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-114883-1	EP001/West Well #5/090400106 (52135-01)	Total/NA	Drinking Water	200.8	167999
MB 550-167999/1-A	Method Blank	Total/NA	Water	200.8	167999
LCS 550-167999/3-A	Lab Control Sample	Total/NA	Water	200.8	167999
LCSD 550-167999/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	167999
550-117005-H-1-B MS	Matrix Spike	Total/NA	Water	200.8	167999
550-117005-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	167999

General Chemistry

Prep Batch: 164637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-114883-1	EP001/West Well #5/090400106 (52135-01)	Total/NA	Drinking Water	SM 4500 CN C	
MB 550-164637/1-A	Method Blank	Total/NA	Water	SM 4500 CN C	
LCS 550-164637/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	

QC Association Summary

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

General Chemistry (Continued)

Prep Batch: 164637 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 550-164637/3-A	Lab Control Sample Dup	Total/NA	Water	SM 4500 CN C	
550-114742-A-2-B MS	Matrix Spike	Total/NA	Water	SM 4500 CN C	
550-114742-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN C	

Analysis Batch: 164681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-114883-1	EP001/West Well #5/090400106 (52135-01)	Total/NA	Drinking Water	SM 4500 CN E	164637
MB 550-164637/1-A	Method Blank	Total/NA	Water	SM 4500 CN E	164637
LCS 550-164637/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	164637
LCSD 550-164637/3-A	Lab Control Sample Dup	Total/NA	Water	SM 4500 CN E	164637
550-114742-A-2-B MS	Matrix Spike	Total/NA	Water	SM 4500 CN E	164637
550-114742-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN E	164637

Analysis Batch: 164730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-114883-1	EP001/West Well #5/090400106 (52135-01)	Total/NA	Drinking Water	SM 4500 CN G	
MB 550-164730/1	Method Blank	Total/NA	Water	SM 4500 CN G	
LCS 550-164730/2	Lab Control Sample	Total/NA	Water	SM 4500 CN G	
LCSD 550-164730/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 CN G	
550-114742-A-2 MS ^T	Matrix Spike	Total/NA	Water	SM 4500 CN G	
550-114742-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN G	

Lab Chronicle

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

Client Sample ID: EP001/West Well #5/090400106 (52135-01)
Date Collected: 12/11/18 09:00
Date Received: 12/13/18 09:20

Lab Sample ID: 550-114883-1
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	525.2			552449	12/20/18 05:58	MAV	TAL SAV
Total/NA	Analysis	525.2		1	552824	12/21/18 18:05	OK	TAL SAV
Total/NA	Analysis	547 LL		1	552046	12/17/18 11:50	CJM	TAL SAV
Total/NA	Prep	200.8			164641	12/17/18 09:17	SGO	TAL PHX
Total/NA	Analysis	200.8		1	164882	12/18/18 19:01	TEK	TAL PHX
Total/NA	Prep	200.8			167999	01/30/19 08:09	SGO	TAL PHX
Total/NA	Analysis	200.8		1	168100	01/30/19 18:47	ARE	TAL PHX
Total/NA	Prep	200.8			167999	01/30/19 08:09	SGO	TAL PHX
Total/NA	Analysis	200.8		1	168815	02/07/19 03:40	ARE	TAL PHX
Total/NA	Prep	245.1			164864	12/19/18 09:44	JTG	TAL PHX
Total/NA	Analysis	245.1		1	164968	12/19/18 17:27	JTG	TAL PHX
Total/NA	Prep	SM 4500 CN C			164637	12/17/18 06:50	YET	TAL PHX
Total/NA	Analysis	SM 4500 CN E		1	164681	12/17/18 07:57	YET	TAL PHX
Total/NA	Analysis	SM 4500 CN G		1	164730	12/17/18 07:57	LAS	TAL PHX

Laboratory References:
TAL PHX = TestAmerica Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

Laboratory: TestAmerica Phoenix

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Arizona	State Program	9	AZ0728	06-09-19

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

Nevada	State Program	9	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
200.8	200.8	Drinking Water	Beryllium
SM 4500 CN G		Drinking Water	Cyanide, Amenable

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-19
Alaska	State Program	10		06-30-19
Alaska (UST)	State Program	10	UST-104	09-22-19
ANAB	DoD / DOE		L2463	09-22-19
ANAB	ISO/IEC 17025		L2463.01	09-22-19
Arizona	State Program	9	AZ0808	12-14-19
Arkansas DEQ	State Program	6	88-0692	02-01-20
California	State Program	9	2939	06-30-19
Colorado	State Program	8	N/A	12-31-19
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-19
GA Dept. of Agriculture	State Program	4	N/A	06-12-19
Georgia	State Program	4	N/A	06-30-19
Georgia	State Program	4	803	06-30-19
Guam	State Program	9	15-005r	04-17-19
Hawaii	State Program	9	N/A	06-30-19
Illinois	NELAP	5	200022	11-30-19
Indiana	State Program	5	N/A	06-30-19
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-19
Kentucky (UST)	State Program	4	18	06-30-19
Kentucky (WW)	State Program	4	90084	12-31-19
Louisiana	NELAP	6	30690	06-30-19
Louisiana (DW)	NELAP	6	LA160019	12-31-19
Maine	State Program	1	GA00006	09-25-20
Maryland	State Program	3	250	12-31-19
Massachusetts	State Program	1	M-GA006	06-30-19
Michigan	State Program	5	9925	03-05-19
Mississippi	State Program	4	N/A	06-30-19
Nebraska	State Program	7	TestAmerica-Savannah	06-30-19
New Jersey	NELAP	2	GA769	06-30-19
New Mexico	State Program	6	N/A	06-30-19

Accreditation/Certification Summary

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

Laboratory: TestAmerica Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10842	04-01-19
North Carolina (DW)	State Program	4	13701	07-31-19
North Carolina (WW/SW)	State Program	4	269	12-31-19
Oklahoma	State Program	6	9984	08-31-19
Pennsylvania	NELAP	3	68-00474	06-30-19
Puerto Rico	State Program	2	GA00006	01-01-20
South Carolina	State Program	4	98001	06-30-18 *
Tennessee	State Program	4	TN02961	06-30-19
Texas	NELAP	6	T104704185-16-9	11-30-19
Texas (DW)	State Program	1	T104704185	06-30-19
US Fish & Wildlife	Federal		LE058448-0	07-31-19
Virginia	NELAP	3	460161	06-14-19
Washington	State Program	10	C805	06-10-19
West Virginia (DW)	State Program	3	9950C	12-31-19
West Virginia DEP	State Program	3	094	06-30-19
Wisconsin	State Program	5	999819810	08-31-19
Wyoming	State Program	8	8TMS-L	06-30-16 *

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

Method Summary

Client: Mohave Environmental Laboratory
Project/Site: First Mesa Consolidated Villages (52135)

TestAmerica Job ID: 550-114883-1

Method	Method Description	Protocol	Laboratory
525.2	Semivolatile Organic Compounds (GS/MS)	EPA	TAL SAV
547 LL	Glyphosate (DAI HPLC)	EPA	TAL SAV
200.8	Metals (ICP/MS)	EPA	TAL PHX
245.1	Mercury (CVAA)	EPA	TAL PHX
SM 4500 CN E	Cyanide, Total	SM	TAL PHX
SM 4500 CN G	Cyanide, Amenable	SM	TAL PHX
200.8	Preparation, Total Metals	EPA	TAL PHX
245.1	Preparation, Mercury	EPA	TAL PHX
525.2	Extraction of Semivolatile Compounds	EPA	TAL SAV
SM 4500 CN C	Cyanide, Distillation	SM	TAL PHX

Protocol References:

EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

TAL PHX = TestAmerica Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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) 659-7632

114883

CHAIN OF CUSTODY FORM

Page 1 of 1

Client Name/Address:	Project Number:
Mohave Environmental Laboratory **2580 Landon Dr, Suite A** **Bullhead City, AZ 86429**	**First Mesa Consolidated Villages** PO#:
Project Manager: **Sheila Poff** Sampler: C. Quavehema	Phone Number: (928) 754-8101 Email: sheila@mohavelabs.com Fax Number: (928) 754-8103

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservation	sb, as, se,tl-200.8 Hg	cn as free	Glyphosate-547	2,4-D, Picloram	Benzo-A-Pyrene				Special Instructions
EP001/West Well #5/090400106	DW	voa, p, ag	8	12/11/18 9:00 AM	various	x	x	x	x	x				52135-01
No DWAR needed														

-01

550-114883 Chain of Custody

Relinquished By:	Date/Time:	Received by:	Date/Time:	Turnaround Time: (Check)
MEL via fed ex-test S. Poff	12/12/18 2:30 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: JADHX	Date/Time: 12-13-18 0920	Sample Integrity: (Check) Intact ___ On Ice X

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.

FGPO

ATH 3.0°C

TestAmerica Phoenix
4625 East Cotton Ctr Blvd Suite 189
Phoenix, AZ 85040
Phone (602) 437-3340 Fax (602) 454-6303

Chain of Custody Record

TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Hamilton, Mary	Carrier Tracking No(s):	COC No: 550-23088.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: mary.hamilton@testamericainc.com	State of Origin: Arizona	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): State Program - Arizona, State Program - Nevada		Job #: 550-114883-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 12/20/2018			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #			
Email:	WO #			
Project Name: First Mesa Consolidated Villages (52135)	Project #: 55001687			
Site: Mojave	SSOW#			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	515.1_LL515.1_Prep (MOD) AZ Regulated List	525.2_AZ525.2_Prep (MOD) Hexachlorobenzene/Hexachlorocyclopentad	547_LL	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
EP001/West Well #5/096400106 (52135-01) (550-114883-1)	12/11/18	09:00 Arizona		Water			X	X	X	2	AZ Sample - Report %Rec/RPD & MS/MSD

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification: Unconfirmed		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ___ Months	
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	Special Instructions/QC Requirements:	
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: [illegible]	Date/Time: 12-13-18 [illegible]	Company: [illegible]	Received by: [illegible]
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:
Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No:		Cooler Temperature(s) °C and Other Remarks: 2.3/2.3

Ver 09/28/16

Login Sample Receipt Checklist

Client: Mohave Environmental Laboratory

Job Number: 550-114883-1

Login Number: 114883
List Number: 1
Creator: Gravlin, Andrea

List Source: 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.

Login Sample Receipt Checklist

Client: Mohave Environmental Laboratory

Job Number: 550-114883-1

Login Number: 114883
List Number: 2
Creator: Nobles, Terry G

List Source: TestAmerica Savannah
List Creation: 12/14/18 04:20 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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?	N/A	
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.	N/A	
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	