LEGEND
Technical Services, Inc.
www.legend-group.com

17631 N. 25th Avenue • Phoenix, AZ 85023
P (602) 324-6100 • F (602) 324-6101

Yellow Jacket Drilling Services	Project: Drinking Water
Valued Client	Project Number: Yellow Jacket Drilling New Source Hamp 13-0111AZ
POB 801	**Reported:**
Gilbert, Arizona85299	08/08/13 14:59

Analyte

Hamp Well #2 (Z1,706) (3080358-01) Drinking Water (Grab) Sampled: 08/05/13 17:30 Received: 08/06/13 10:35

Analyte	Result	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Legend Technical Services of Arizona, Inc.						
Total Metals									
Arsenic	**0.0041**	0.0010	mg/L	1	B3H0152	08/06/13 16:30	08/07/13 14:46	EPA 200.8	

Sample Condition Upon Receipt:

Temperature: 2.00 C

All samples were received in acceptable condition unless noted otherwise in the case narrative.

Case Narrative:

Holding Times: All holding times were met unless otherwise qualified.

QA/QC Criteria: All analyses met method requirements unless otherwise qualified.

Accreditations: AZ(PHX)0004, AZ(TUC)OOO4, AIHA#102982, CDC ELITE Member.

Accreditation is applicable only to the test methods specified on each scope of accreditation held by LEGEND.

Comments: There were no problems encountered during the processing of the samples, unless otherwise noted. All samples were analyzed on a "wet" basis unless designated as "dry weight".

Sample was turbid in appearant color. In order to recordthe true color, the sample was centrifuged at 4500 rpm for 10 minutes. This resulted in a pellet at the bottom of the sample. The supernatant was poured off and the true color was taken from this portion of the sample. 8/8/13 CL

Notes and Definitions

Legend Technical Services of Arizona, Inc.

Client Services Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Phone Number: (602) 324-6100

Laboratory Sample ID: 3080358

CHAIN OF CUSTODY RECORD

LEGEND Technical Services, Inc.
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Page 1 of 2 8/6/13

Please Print Clearly

CLIENT INFORMATION

Client Name	Address	City	State	Zip	Phone	Fax Number or Email Address
YELLOW JACKET DRILLING SVCS	POB 801	GILBERT	AZ	85299-0801	602-453-3252	vern@yjdrilling.c

Project Name	Project Number/PWS	Contact	P.O. No.	
New Source HAMP	13-0111 AZ	Vern		Fax Results ☐ Email Results ☒ QC Report ☐ EDD ☐ Special Detection Limits ☐

SAMPLE TYPE CODES: DW=Drinking Water, WW=Wastewater, SW=Surface Water, G=Groundwater, O=Other, S=Soil/Solid, T=Travel Blank, F=Food, G=Sludge/Biosolids

TURN AROUND TIME: Laboratory Authorization Required for Rush
☒ Standard 15-20 Working Days for all others
☒ Other Rush Arsenic (Laboratory Authorization Required)

REQUESTED ANALYSES

Client's	Date	Time	Sample Location/POE/DWR	Composite	Grab	Sample Type	Compliance	No. of Containers	pH ✓ (Lab Use Only)	Metals*	Asbestos	Cyanide	Nitrate, Nitrite	Langlier Index**	Total Coliform	Sulfate	Fluoride	Total Hardness	505, 515, 525	531, 547, 548	549, Dioxin	524, 504	Gross Alpha	Radium 226/228	LAB NO.
HAMP WELL #2	8/5/2013	17:30	Z1,706		X	DW		32	✓	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-01
Travel Blank (Do Not Open)					X	DI		3														X			-02
Temperature Blank								1																	-------

RUSH As only

TO ENSURE COMPLETION OF ANALYSIS, SAMPLES MUST BE RECEIVED AT LEAST 3 HOURS PRIOR TO THE HOLD TIME EXPIRATION

Comments / Special Instructions: *Metals= Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Na, Tl **Langlier Index= Ca, Alkalinity, TDS, pH ***Total Hardness= Ca, Mg Please Rush As Resu

If sample source is chlorinated, different sample containers/preservatives must be used for dechlorination. Use Standard Drinking Water detection Limits, see list for tes Required

SAMPLE CONDITION UPON RECEIPT (Lab Use)		
No. of Containers	36	
Temperature	2.0°C	
Custody Seals	Y	N
Seals Intact	Y	N
Preserved	Y	N

	RELINQUISHED BY		SAMPLES RECEIVED BY	
①	Sampler Signature: Sherry Fritz	Date 8/5/2013	Signature: Marion E Phillips	Date 8/5/13
	Sampler Printed Name: SHERRY FRITZ	Time 21:07	Printed Name: Marion Phillips	Time 2107
②	Signature: Marion E Phillips	Date 8/6/13	Signature: L Parrish	Date 8/6/13
	Printed Name: Marion E Phillips	Time 1035	Printed Name: L. Parrish	Time 1035
③	Signature	Date	Signature	Date
	Printed Name	Time	Printed Name	Time

WHITE-LAB YELLOW-CLIENT

FORM GEN-170 (05/06)

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

RUSH NOTICE W.O. #: 3080358

Company: Yellow Jacket Drilling Phone:

Contact:

Prelim Due Date: Final Due Date: 8/9/13

Analysis: Arsenic

Number of Samples: 1 Date Samples Expected: 8/6/13

Matrix: DW Expiration Date:

Supervisor Approval

Inorganics:		Specifics:
Metals:	8/6/13	Specifics:
Micro:		Specifics:
SOC:		Specifics:
VOC:		Specifics:
Sub1:		Specifics:
Sub2:		Specifics:

Comments:

COST: Project Manager: CL

RUSH Initiator: CL

FORM GEN-086.1 (10/05)

3080358

The "new source approval" test from Legend Technical Services shall comply with the most recent version of the National Primary Drinking Water Regulations and shall test for the following general classes of contaminants:

1. Microorganisms
2. Organic Chemicals
3. Inorganic Chemicals
4. Radionuclides

The Contractor shall also sample and test for the following secondary parameters to determine water chemistry that may lead to customer complaints or operation and maintenance problems:

1. Alkalinity
2. Aluminum
3. Calcium
4. Chloride
5. Color
6. Copper
7. Corrosivity
8. Flouride
9. Hardness as CaCO3
10. Iron
11. Magnesium
12. Manganese
13. Nickel
14. Odor
15. pH
16. Silver
17. Sodium
18. Sulfate
19. Total Dissolved Solids (TDS)
20. Total Organic Carbon (TOC)
21. Zinc
22. Silica

3080358

Sample analysis (both acquisition and payment) shall be the sole responsibility of the Contractor. The Project Engineer shall be present during water sampling and shall initial the custody seals of the sample containers.