

UTAH STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORY SERVICES
Environmental Chemistry Analysis Report

RECEIVED

NOV 24 2015

DEPT OF NATURAL RESOURCES - OGM
STEVE CHRISTENSEN
1594 W NORTH TEMPLE - STE 1210
SALT LAKE CITY UT 84114-1210

DIV. OF OIL, GAS & MINING

801-538-5350

Lab Number: 201506646 Sample Type: 04 Cost Code: 901B
Description: 002
Collector: SJD

Site ID:	Source No: 00	Organic Review:
Sample Date: 10/20/2015	Time: 10:19	Inorganic Review: 11/18/2015
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

T-Aluminum 89.671 ug/l T-Iron 0.0539 mg/l

QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

END OF REPORT

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UT 84114-1210

801-538-5350

Lab Number: 201506647 Sample Type: 04 Cost Code: 901B
Description: 002
Collector: SJD

Site ID:	Source No: 00	Organic Review:
Sample Date: 10/20/2015	Time: 10:19	Inorganic Review: 11/06/2015
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

Sulfate 156.0 mg/l

QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

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801-538-5350

Lab Number: 201506648 Sample Type: 04 Cost Code: 901B
Description: PRE-002
Collector: SJD

Site ID:	Source No: 00	Organic Review:	
Sample Date: 10/20/2015	Time: 10:24	Inorganic Review:	11/18/2015
		Radiochemistry Review:	
		Microbiology Review:	

TEST RESULTS:

T-Aluminum	<10 ug/l	T-Iron	1.24 mg/l
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QUALIFYING COMMENTS (*) on test results: NO COMMENTS

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SALT LAKE CITY UT 84114-1210

801-538-5350

Lab Number: 201506649 Sample Type: 04 Cost Code: 901B
Description: PRE-002
Collector: SJD

Site ID:	Source No: 00	Organic Review:
Sample Date: 10/20/2015	Time: 10:27	Inorganic Review: 11/06/2015
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

Sulfate 145.0 mg/l

QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

END OF REPORT



CHAIN OF CUSTODY

Unified State Laboratories: Public Health
 Bureau of Chemical and Environmental Services

4431 S 2700 W Taylorsville, UT 84129-8600
 801 965 2400 Fax 801 969 3238
<http://health.utah.gov/lab/chemistry>

- Hand Delivered
- Shipped Samples
- Cooler Returned

System/Agency Name: <i>O.V. 0801 Cas & Mining</i> <i>Not Retrieved</i>		System/Agency Number: <i>WT1177</i>		Cost/Project Code: <i>901B</i>	
REPORTING/CONTACT			BILLING (list if different)		
Attn: _____	Special Code: _____	Attn: _____	Special Code: _____		
Address: _____	Address: _____	City, State, Zip: _____	City, State, Zip: _____		
City, State, Zip: _____	City, State, Zip: _____	Phone: _____	Phone: _____		
Room: _____	Room: _____	Fax: _____	Fax: _____		
Submitted By: _____	Submitted By: _____				

COLLECTION POINT DESCRIPTION	Collector Initials	Collection Date (mm/dd/yyyy)	Collection Time (24 hr)	COMMENTS	REQUESTED TESTS	Receipt temperature	Receipt pH	Sample Receipt Conditions
<i>002</i>	<i>BD</i>	<i>10/20/15</i>	<i>10:19</i>	<i>TMX1 acid</i>	<i>T- Iron</i> <i>Sulfate</i> <i>T- Aluminum</i>	<i>4.4</i>	<i>N/A</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Documentation complete Proper containers and in-date Containers intact Within holding time Coolant Temperature within range Acceptable pH <input type="checkbox"/> N/A Custody Seals Intact <input type="checkbox"/>
<i>002</i>	<i>BD</i>	<i>10/20/15</i>	<i>10:19</i>	<i>TCX1</i>		<i>4.3</i>	<i>2</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Documentation complete Proper containers and in-date Containers intact Within holding time Coolant Temperature within range Acceptable pH <input type="checkbox"/> N/A Custody Seals Intact <input type="checkbox"/>
<i>002</i>	<i>BD</i>	<i>10/20/15</i>	<i>10:24</i>	<i>TMX1 acid</i>		<i>3.8</i>	<i>N/A</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Documentation complete Proper containers and in-date Containers intact Within holding time Coolant Temperature within range Acceptable pH <input type="checkbox"/> N/A Custody Seals Intact <input type="checkbox"/>
<i>002</i>	<i>BD</i>	<i>10/20/15</i>	<i>10:24</i>	<i>TCX1</i>		<i>4.5</i>	<i>2</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Documentation complete Proper containers and in-date Containers intact Within holding time Coolant Temperature within range Acceptable pH <input type="checkbox"/> N/A Custody Seals Intact <input type="checkbox"/>

Dispatched By: <i>BD</i>	Date and Time: <i>10/20/15</i>	Courier Company Name: _____	Invoice/Airbill #: _____
Requisitioned By: <i>BD</i>	Date and Time: <i>10/27/15</i>	Received by: <i>[Signature]</i>	Date and Time: <i>10/27/15</i>
Requisitioned to USL/PH by: <i>[Signature]</i>	Date and Time: <i>10/18/15</i>	Received @ USL/PH by: <i>[Signature]</i>	Date and Time: <i>10/28/15 4:35</i>

Seals present @ receipt