



**dig**  
Dolan Integration Group

## Geochemistry for Energy

1317 West 121<sup>st</sup> Ave  
Westminster, CO 80234  
p: 303.531.2030

facility 439136

project 10243

### **Water Stable Isotopes Data and Interpretation**

**Job #:** 17050912  
**Lab #:** DIG-011094  
**Client:** ALS  
**Project Name:** 439136

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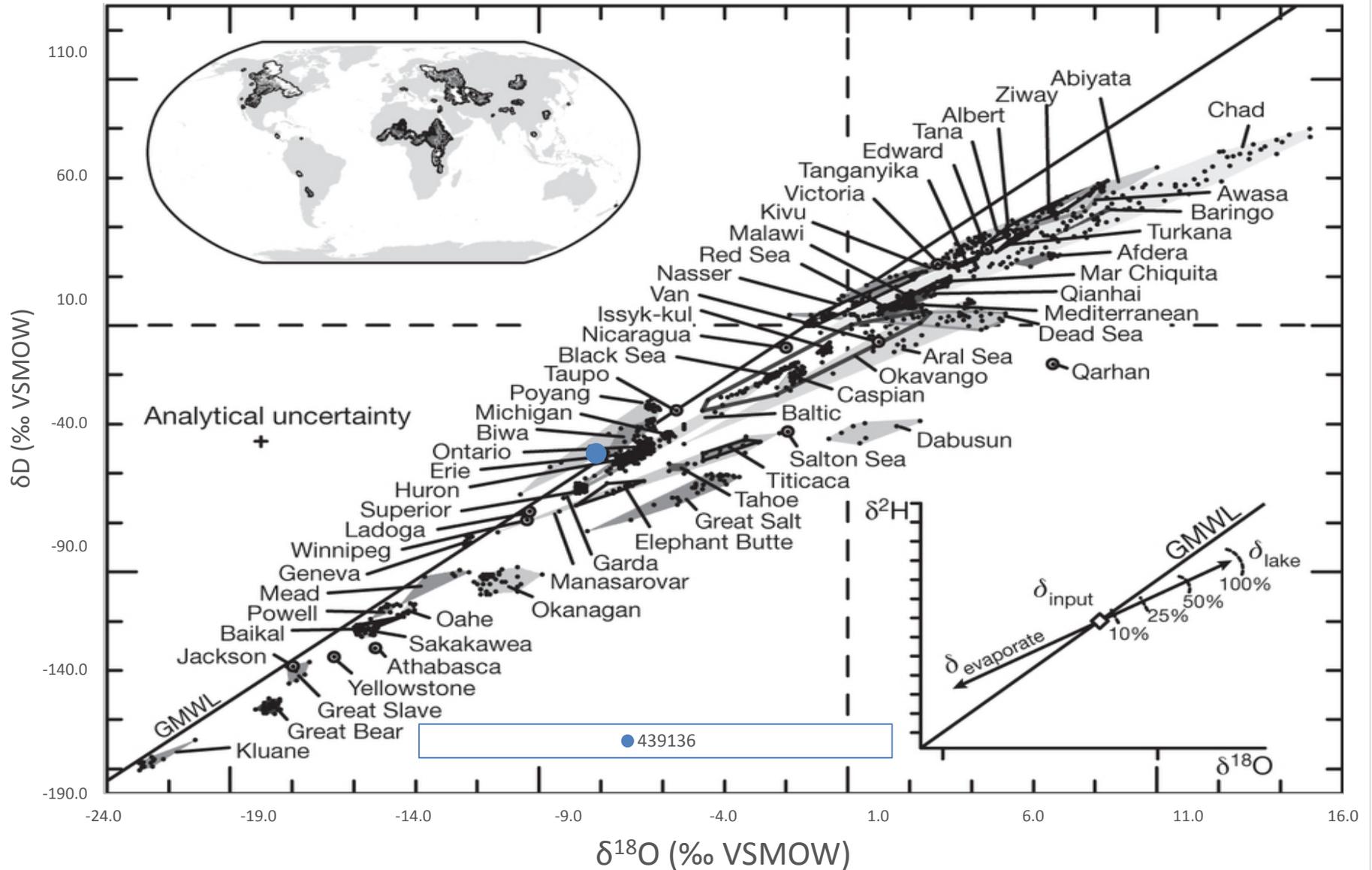
Client/Well Name: ALS / 439136  
 Job #: 17050912  
 Lab #: DIG-011094

SAMPLE INFORMATION							STABLE ISOTOPE ANALYSIS			
Job Number	Client Sample ID	Lab Number	Sample Type	Sample Date	Sample Time	Date Received	$\delta^{18}\text{O}$ ‰ VSMOW	$\delta\text{D}$ ‰ VSMOW	Deuterium Excess	$\delta^{13}\text{C}$ DIC ‰ VPDB
17050912	439136	DIG-011094	Water	05/09/17	12:50	5/11/17	-8.1	-52.4	12	4.3

RUN CALIBRATION DATA			
Internal checks	$\text{d}^2\text{H}$ per mil	$\text{d}^{18}\text{O}$ per mil	$\delta^{13}\text{C}$ per mil
1 SD	1.00	0.10	0.20

Standards	
DIC	
-8.6	
-8.6	
-8.6	
-8.7	
-8.6	Mean
0.1	SD

Global Meteoric Water Line





# Chain of Custody Form



Job 17050917  
DIG-011074

## ALS Environmental

225 Commerce Drive, Fort Collins, Colorado 80524  
TF: (800) 443-1511 w/PH: (970) 490-1511 w/FX: (970) 490-1522



## Chain-of-Custody

PROJECT NAME	REPORT NO.	REPORT TO	COMPANY	ADDRESS	DATE	TURNAROUND	DATE	5/10/2017	Standard	LAB ID	PAGE	1	of	1	Return to Client
PW NORM 2017	10048	Shiloh Summy	ALS Environmental	225 Commerce Drive, Fort Collins, Colorado 80524											
E-MAIL	PHONE	FAX													
shiloh.summy@alslab.com	970-490-1511	970-490-1522													
Lab ID	Field ID	Matrix	Sample Date	Sample Time	Sample # Bits	QC	13C of DIC	18S and 8D of H2O							
439136		WATER	05/09/2017	12:50	2		X	X							
COMMENTS: ALS FC SDG 1705209 EDD required															
Relinquished By	SIGNATURE		PRINTED NAME		DATE	TIME	COMPANY								
Received By	<i>C. Trumble</i>		C Trumble		5-10-17	16:00	ALS								
Relinquished By	<i>S. Hodgett</i>		S HODGETTS		5-11-17	07:45	DIG								
Received By															