

Analytical Report

Report Summary

Client: Great Western Drilling

Chain Of Custody Number: 17838

Samples Received: 9/29/2014 3:00:00PM

Job Number: 99010-0018

Work Order: P409116

Project Name/Location: Atlantic A 101

OIL CONS. DIV DIST. 3

NOV 12 2014

Entire Report Reviewed By:



Date: 10/7/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



Great Western Drilling
7415 E. Main St.
Farmington NM, 87401

Project Name: Atlantic A 101
Project Number: 99010-0018
Project Manager: Cullan Keller

Reported:
07-Oct-14 11:45

Bradenhead Water
P409116-01 (Water)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Cation/Anion Analysis									
pH @19.8°C	8.88		pH Units	1	1440008	09/29/14 15:27	09/29/14 15:27	EPA 150.1	
Electrical Conductivity	11900		umhos/cm	1	1440008	09/29/14 15:27	09/29/14 15:27	EPA 120.1	
Total Dissolved Solids	8880		mg/L	1	1440009	09/30/14	09/30/14	EPA 160.1	
Sodium Absorption Ratio	64.9		N/A	1	1441012	10/06/14	10/06/14	[CALC]	
Total Alkalinity as CaCO3	490	10.0	mg/L	1	1440013	09/30/14	09/30/14	Hach Method 8203	
Total Hardness as CaCO3	253	0.07	mg/L		[CALC]	09/30/14	10/06/14	[CALC]	
Bicarbonate as CaCO3	490	10.0	mg/L	1	1440013	09/30/14	09/30/14	Hach Method 8203	
Carbonate as CaCO3	ND	10.0	mg/L	1	1440013	09/30/14	09/30/14	Hach Method 8203	
Hydroxide as CaCO3	ND	10.0	mg/L	1	1440013	09/30/14	09/30/14	Hach Method 8203	
Nitrate-N	ND	1.00	mg/L	10	1440007	09/29/14 15:14	09/29/14 16:57	EPA 300.0	
Nitrite-N	ND	1.00	mg/L	10	1440007	09/29/14 15:14	09/29/14 16:57	EPA 300.0	
Chloride	246	10.0	mg/L	10	1440007	09/29/14	09/29/14	EPA 300.0	
Fluoride	1.68	1.00	mg/L	10	1440007	09/29/14	09/29/14	EPA 300.0	
o-Phosphate	ND	5.00	mg/L	10	1440007	09/29/14 15:14	09/29/14 16:57	EPA 300.0	
Sulfate	6360	10.0	mg/L	10	1440007	09/29/14	09/29/14	EPA 300.0	
Iron	0.52	0.01	mg/L	1	1440004	09/30/14	10/06/14	EPA 6010C	
Calcium	91.6	0.01	mg/L	1	1440004	09/30/14	10/06/14	EPA 6010C	
Magnesium	5.82	0.01	mg/L	1	1440004	09/30/14	10/06/14	EPA 6010C	
Potassium	10.3	0.01	mg/L	1	1440004	09/30/14	10/06/14	EPA 6010C	
Sodium	2370	0.01	mg/L	1	1440004	09/30/14	10/06/14	EPA 6010C	

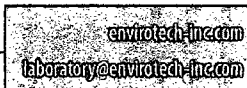
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Notes and Definitions

SPK1 The spike recovery for this QC sample is outside of control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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